City of SACRAMENTO

MITIGATED NEGATIVE DECLARATION

The City of Sacramento, California, a municipal corporation, does hereby prepare, declare, and publish this Mitigated Negative Declaration for the following described project:

ARCO AMPM Sacramento Development Project (P22-034): The project site is located at the northwest corner of Gateway Park Boulevard and North Freeway Boulevard on a 1.26-acre undeveloped lot (Assessor's Parcel Number 225-0160-099) in the North Natomas area of the City of Sacramento, Sacramento County.

The proposed project includes construction and operation of an ARCO AM/PM, which would include new construction of a 3,349-square-foot convenience store, a 1,152-square-foot automatic car wash, and a 4,940-square-foot canopy with six multi-product fuel dispensers (totaling 12 fuel positions). The project also includes an underground fuel storage tank and landscaping.

The Lead Agency is the City of Sacramento. The City of Sacramento, Community Development Department, has reviewed the proposed project and, on the basis of the whole record before it, has determined that there is no substantial evidence that the project, with mitigation measures as identified in the attached Initial Study, will have a significant effect on the environment. This Mitigated Negative Declaration reflects the lead agency's independent judgment and analysis. An Environmental Impact Report is not required. This Mitigated Negative Declaration has been prepared pursuant to the California Environmental Quality Act (Public Resources Code [PRC] Sections 21000 et seq.), CEQA Guidelines (Title 14, Sections 15000 et seq. of the California Code of Regulations), the Sacramento Local Environmental Regulations (Resolution 91-892), and the Sacramento City Code.

Due to concerns over COVID-19, the City of Sacramento, Community Development Department's Public Counter, at 300 Richards Boulevard, 3rd Floor, Sacramento, CA 95811 is open by appointment on Tuesdays and Wednesdays. A copy of this document and all supportive documentation may be reviewed through the City's website at https://www.cityofsacramento.org/Community-Development/Planning/Environmental/ Impact-Reports.

Environmental Services Manager, City of Sacramento, California, a municipal corporation

By: Scott Johnson for Tom Buford

Date: July 10, 2013

Draft

ARCO AMPM SACRAMENTO DEVELOPMENT PROJECT

Initial Study / Mitigated Negative Declaration

Prepared for
The City of Sacramento

June 2023

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ENVIRONMENTAL CHECKLIST

ARCO AMPM Sacramento Development Project

Section 1 Background

1. Project Title and File Number: ARCO AMPM Sacramento Development Project (P22-034)

2. Lead Agency Name and Address: City of Sacramento, 300 Richards Blvd., 3rd Floor, Sacramento, CA 95811

3. Contact Person and Phone Number: Scott Johnson, Community Development Department, (916) 808-5842

4. Project Location: Gateway Park Boulevard and North Freeway Boulevard

5. Project Sponsor's Name and Address: Barghausen Consulting Engineers, Inc., 18215 72nd Avenue South Kent, WA 98032 (425) 251-6222

6. General Plan Designation(s): Regional Commercial Center

7. Zoning: Shopping Center—Planned Unit Development (SC-PUD)

8. Description of Project:

The proposed project would develop an ARCO fuel station with an AM/PM convenience store and automatic car wash on a presently undeveloped site. The project site is located at the northwest corner of the intersection of Gateway Park Boulevard and North Freeway Boulevard in North Natomas in the City of Sacramento (see **Figure 1**, *Regional Location*). For further details, see Section 2, *Project Description*.

9. Project Current Land Use and Zoning:

The current City of Sacramento General Plan land use designation for the site is Regional Commercial Center, and the site is zoned under the Coral Business Center Planned Unit Development as SC-PUD (Shopping Center—Planned Unit Development). The proposed project would not be anticipated to conflict with the general plan land use or zoning designation for the

project site, but would require City approval of a conditional use permit for the construction of a gas station within the SC-PUD zone.

10. Surrounding Land Uses and Setting:

The approximately 1.26-acre, two-parcel project site is bounded by the Raley's Natomas Distribution Center to the north, Gateway Park Boulevard to the east, an existing retail center bordering Gateway Park Boulevard and Truxel Road to the south, and the approved Natomas Fountains Apartments to the west.

The project site is about 0.7 miles from Discovery High School to the southeast. Additionally, the Natomas Marketplace retail center lies just over a third of a mile south of the site. See **Figure 2**, *Project Location and Surrounding Area*.

11. Other public agencies whose approval is required:

This Initial Study-Mitigated Negative Declaration would provide the City (the CEQA Lead Agency), responsible agencies, and the general public with relevant environmental information to use in considering the proposed project. The following approvals are anticipated:

- Site Plan and Design Review
- Conditional Use Permit for a Gas Station and ancillary Car Wash
- Conditional Use Permit for Alcohol Sales
- Conditional Use Permit for Tobacco Sales

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

On August 16, 2022, notices, pursuant to Public Resources Code section 21080.3.1 (AB 52) were delivered to the tribes that have previously requested to receive such notification. None of the tribes noticed responded requesting consultation and thus consultations are closed.

SOURCE: ESA, 2023

Arco NTI at Gateway Park Blvd

Figure 1
Regional Location

ESA

SOURCE: ESA, 2023

Arco NTI at Gateway Park Blvd

Figure 2
Project Vicinity

ESA

Environmental Factors Potentially Affected

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

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

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial study:

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

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

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

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

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

Scott Johnson — June 8, 2023

Signature — Date

Signature — Date

Section 2 Project Description

The proposed project would construct and operate an ARCO AM/PM, which would include new construction of a 3,349-square-foot convenience store, a 1,152-square-foot automatic car wash, and a 4,940-square-foot canopy with six multi-product fuel dispensers, on an undeveloped lot in the North Natomas neighborhood of the City of Sacramento.

Project Location

The project site is located in Sacramento, California, approximately 80 miles east of San Francisco and 85 miles west of Lake Tahoe. Sacramento is a major transportation hub, the point of intersection of transportation routes that connect Sacramento to the San Francisco Bay Area to the west, the Sierra Nevada Mountain Range and Nevada to the east, Los Angeles to the south, and Oregon and the Pacific Northwest to the north. The City is bisected by a number of major freeways including Interstate 5 (I-5) that traverses the state from north to south; Interstate 80 (I-80), which provides an east-west connection between San Francisco and Reno; and U.S. Highway 50, which provides an east-west connection between Sacramento and South Lake Tahoe.

The site is located within the Coral Business Center Planned Unit Development (PUD) for which existing entitlements were approved by the City of Sacramento in 2017. The project site is generally bounded by the Raley's Natomas Distribution Center to the north, Gateway Park Boulevard to the east, an existing retail center bordering Gateway Park Boulevard and Truxel Road to the south, and an undeveloped parcel immediately to the west. However, that undeveloped parcel is the site of the approved Natomas Fountains Apartments project (P21-025), a 303-unit apartment complex, which was approved by the City on February 24, 2022. That project is currently completing design review and compliance processes, and construction of that project is likely to begin in 2023 or 2024.

The proposed project would be developed on a 1.26-acre undeveloped lot (Assessor's Parcel Number 225-0160-099), as shown in **Figure 3**. The project would include a shared access easement on the south side of the site.

Vehicular access to the project site is provided via the private driveway to the south of the project site, accessible from the Gateway Park Boulevard/North Freeway Boulevard intersection and a right-in-right-out drive off of Truxel Road and would not include a direct driveway on to Gateway Park Boulevard.

SOURCE: ESA, 2023

Arco NTI at Gateway Park Blvd

Figure 3
Project Site

ESA

Project Design

Proposed Structures

The proposed project would include three primary structures including a 3,349-square-foot convenience store, 4,940-square-foot fueling canopy with six fuel dispensers totaling 12 fuel positions, and a 1,141-square-foot car wash facility. **Figure 4** shows the proposed project layout, and orientation of proposed structures. As shown in Figure 4, the proposed convenience store would be located on the east side of the project site, set back 25 feet from the edge of the eastern property boundary, sidewalk, and Gateway Park Boulevard right of way.

The convenience store would have vehicle parking on the north and west sides of the structure. **Figure 5a** shows a conceptual rendering of the convenience store building. Entry points to the structure would be located on the west and south sides of the building. The proposed spaces within the convenience store would include sales area, cashier, restroom, walk-in cooler, walk-in freezer, office, food preparation, and utility spaces.

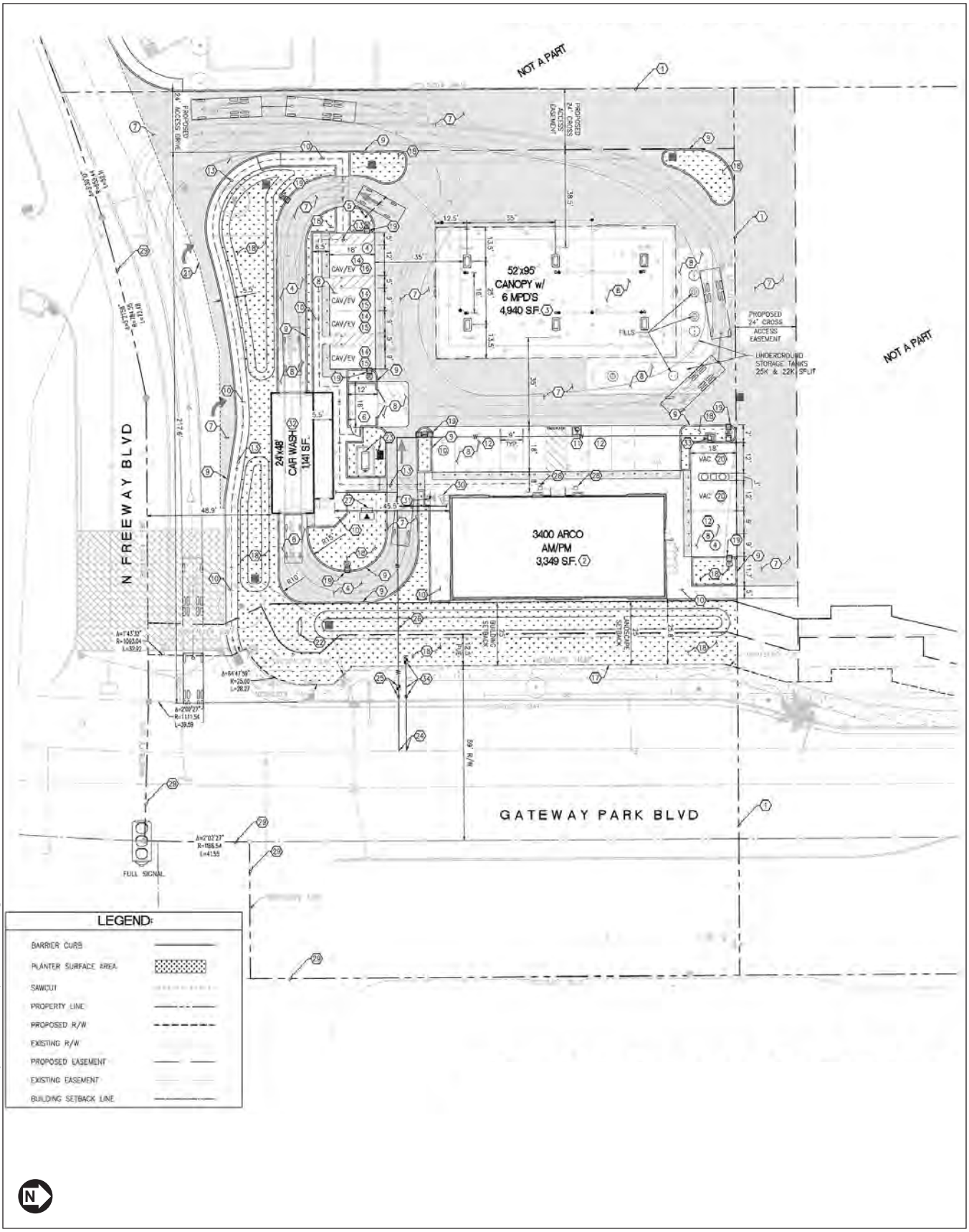
The proposed car wash facility would be constructed to the south of the fueling canopy along the south side of the project site. The structure would include a car wash bay and equipment room. The structure would be designed to accommodate a single vehicle at one time and would have vehicle entry and exit points on the east and west side of the structure. **Figure 5b** shows a conceptual rendering of the car wash structure.

The proposed fuel canopy would include six fuel dispensers, oriented into three rows of pumps that would be accessible to vehicles from the east and west side of the canopy. Two underground storage tanks that would serve the fueling canopy would be located to the north and east of the northernmost row of fuel dispensers. **Figure 5c** shows a conceptual rendering of the proposed fueling canopy.

A trash enclosure would be constructed to the north of the car wash facility and to the south of the fueling canopy.

Access and Circulation

The primary access to the project site would be from the private driveway to the south of the project site, as there would be no direct access from Gateway Park Boulevard. The project would include a shared access easement on the south side of the project site where the driveway would be developed to serve the proposed project. The project driveway would be located on the southwest side of the site. project would include 18 parking spaces located to along the west and north sides of the convenience store and along the north side of the car wash structure. Those spaces would include four spaces intended for clean air vehicles or future electric vehicle spaces. Two spaces would also be to utilize onsite vacuums, located on the north side of the convenience store.



SOURCE: Barghausen Consulting Engineers, Inc., 2022

ARCO NTI at Gateway Park Boulevard

Figure 4
Site Plan

ESA

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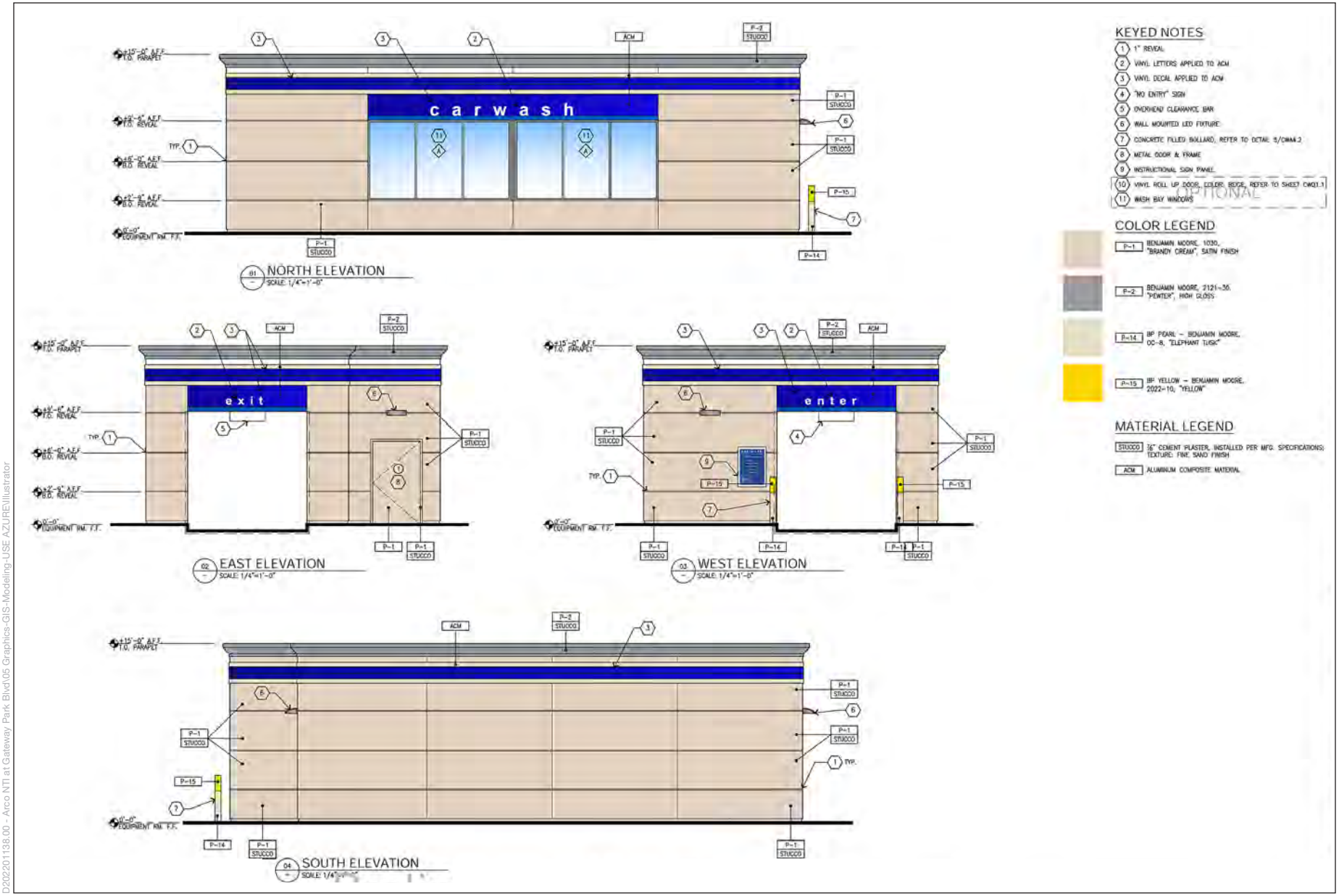
SOURCE: Barghausen Consulting Engineers, Inc., 2022

ARCO NTI at Gateway Park Boulevard

Figure 5a
Conceptual Project Elevations



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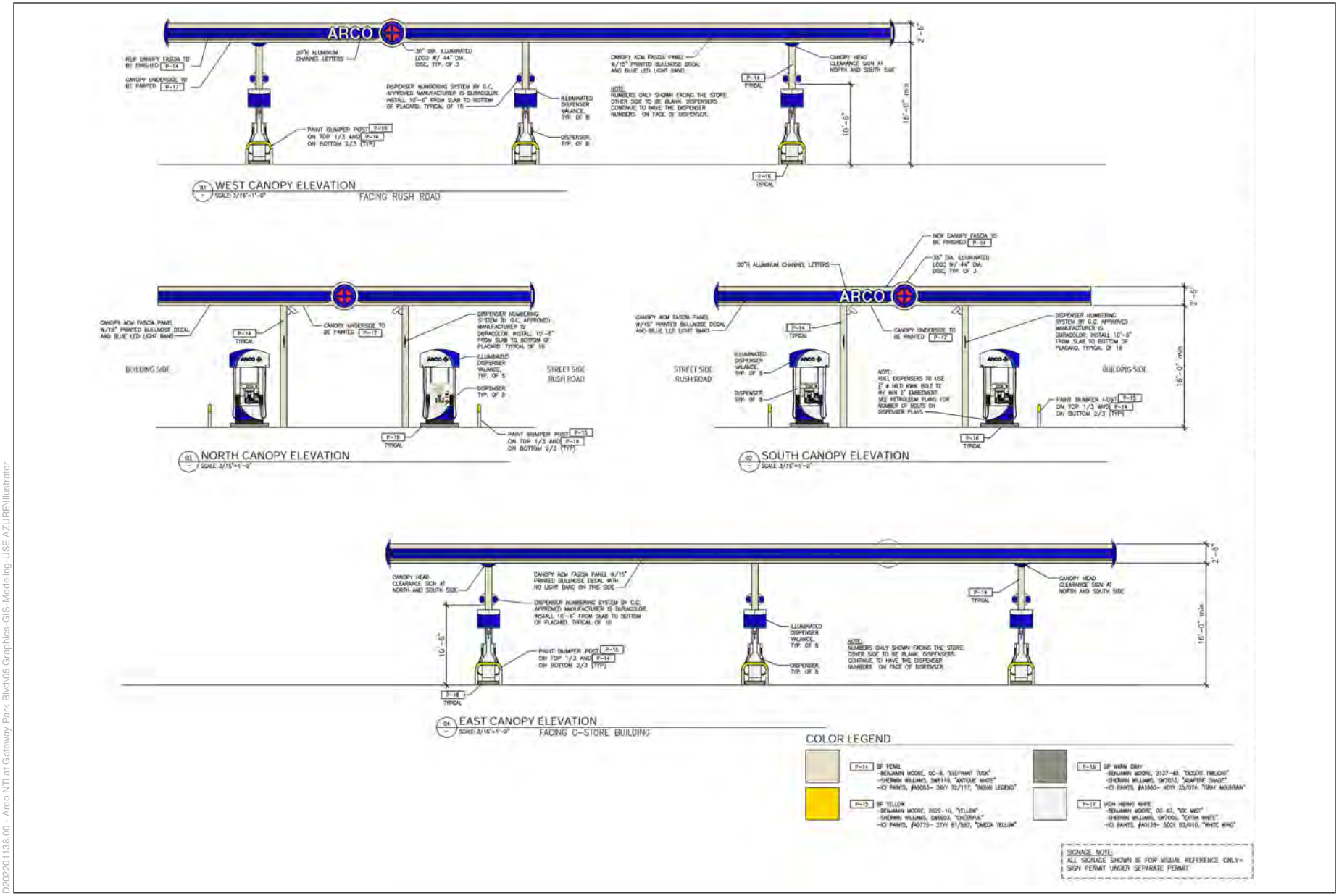
SOURCE: Barghausen Consulting Engineers, Inc., 2022

ARCO NTI at Gateway Park Boulevard

Figure 5b
Conceptual Project Elevations

ESA



SOURCE: Barghausen Consulting Engineers, Inc., 2022

ARCO NTI at Gateway Park Boulevard

Figure 5c
Conceptual Project Elevations

ESA

Pedestrian and bicycle access to the project site would be provided via proposed sidewalk along the private driveway to the south of the site. The proposed sidewalk would connect to the existing sidewalk along Gateway Park Boulevard and to proposed sidewalk along the north side of the private driveway that would be constructed by the adjacent Natomas Fountains Apartments project.

Project Site Plan

The proposed project will include large, landscaped areas on the south and east sides of the project site, as illustrated in **Figure 6**. The landscaping will include turf areas, trees, shrubs, and bioretention areas for temporary onsite stormwater storage. The landscaping plan also includes lighting, signage, as well as an irrigation system designed for water conservation and in compliance with applicable municipal codes.

Several types of trees and shrubs will be dispersed throughout the project site, such as Emerald Sunshine Elm, Tupelo, Chinese Pistache, Moon Bay Heavenly Bamboo, Creeping Sage, Deer Grass, and others. Such landscaping will mainly occur along the edges of the project site bordering North Freeway Boulevard and Gateway Boulevard.

The project signage is proposed to be located on the convenience store exterior, as well as at the corner of North Freeway Boulevard and Gateway Park Boulevard near the project entrance.

Utilities

The site will be served by domestic water and sewer from public mains extended and connected to the City of Sacramento system. Existing water, sanitary sewer, communications, and storm drain facilities are located along the east of the project site within Gateway Park Boulevard, and along the private driveway at the southern edge of the project site.

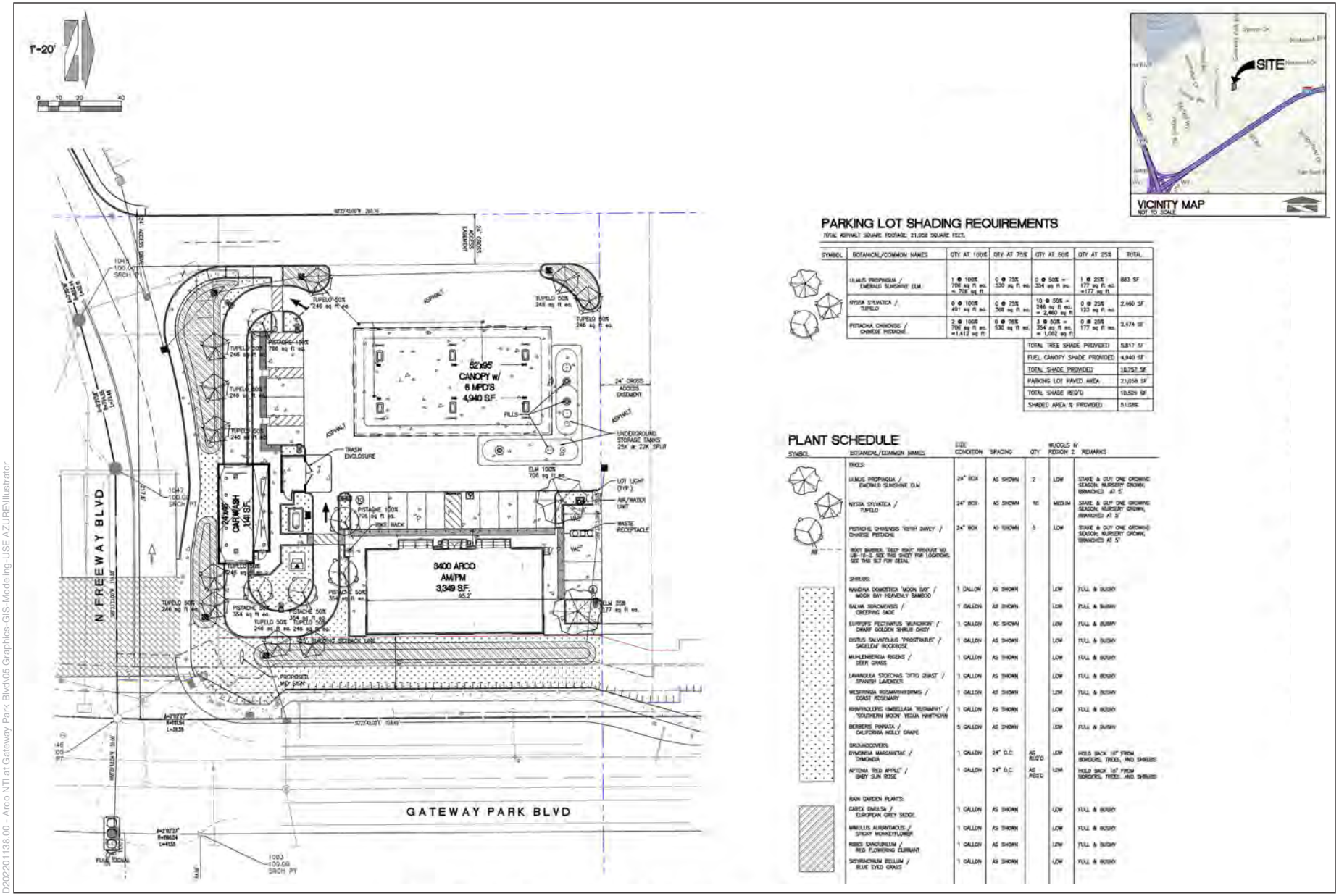
The Sacramento Area Sewer District's (SASD) local sanitary sewer collection system and water service systems will provide these respective utility connections to the project.

The proposed project would include a drainage system that would include onsite bioretention basins and connections to the surrounding drainage infrastructure (see **Figure 7**). The project would include 43,398 square feet of impervious surface area, for which storm drain inlets would convey water to bioretention basins that would then outlet into the existing drainage infrastructure within Gateway Park Boulevard.

Electrical service to the project site would be provided via service connection to the SMUD in-ground service system within Gateway Park Boulevard. The proposed project is designed to be all electric and would not utilize natural gas.

Site Preparation and Construction

Project construction will be anticipated to begin in January of 2024 and is expected to last for a period of approximately six months and would be completed in a single phase. **Table 1** shows the approximate durations of major construction activities.



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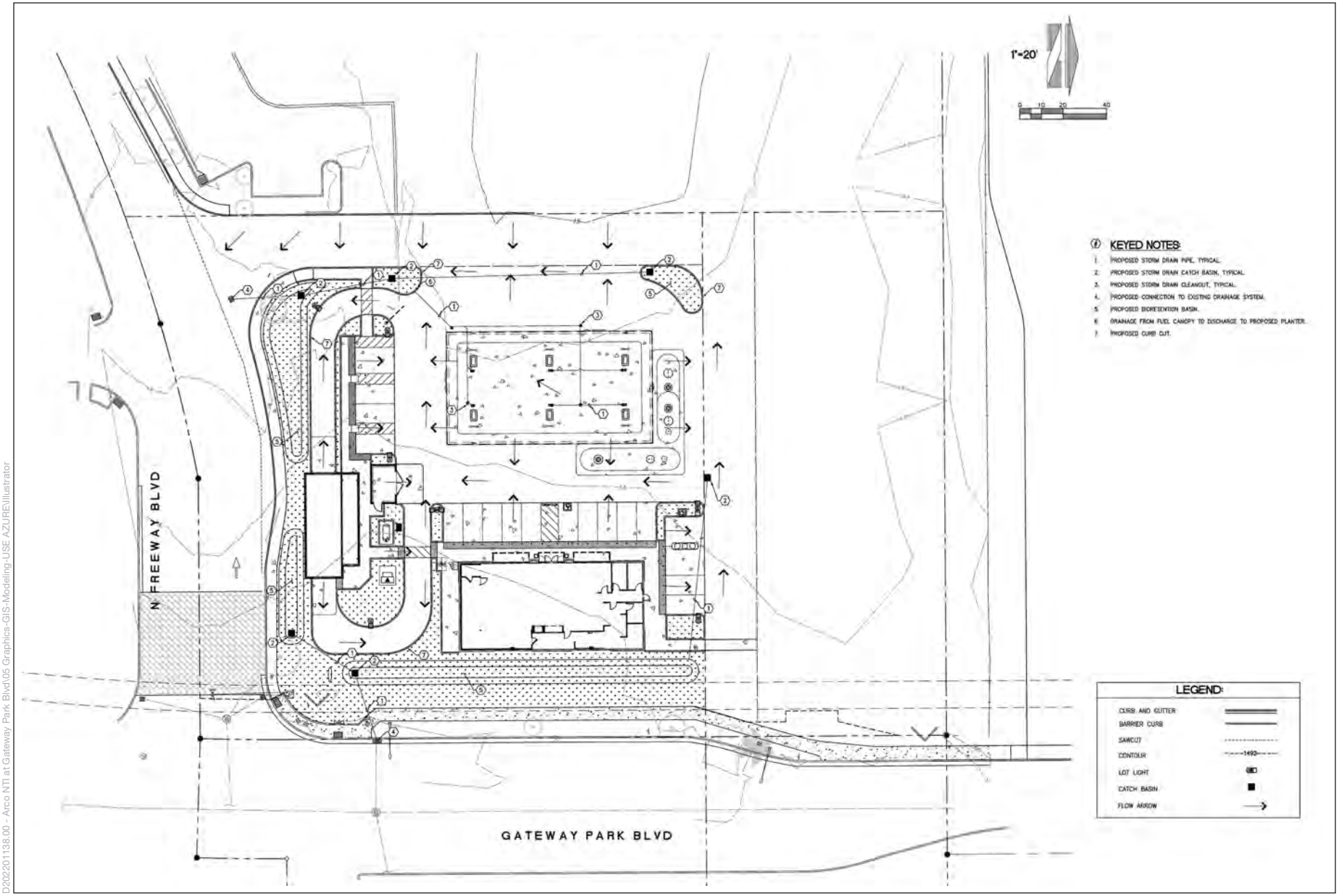
SOURCE: Barghausen Consulting Engineers, Inc., 2022

ARCO NTI at Gateway Park Boulevard

Figure 6
Landscape Plan

ESA



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SOURCE: Barghausen Consulting Engineers, Inc., 2022

ARCO NTI at Gateway Park Boulevard

Figure 7
Conceptual Drainage Plan

ESA

TABLE 1
CONSTRUCTION SCHEDULE

Activity	Duration	Estimated Completion
Site Preparation	1 Day	January 2024
Grading	2 Days	January 2024
Building Construction Without Crane	5 Months	June 2024
Building Construction with Crane	1 Week	June 2024
Paving	1 Week	July 2024

As the proposed project site is currently undeveloped, development will commence with clearing existing vegetation, grading the site, and trenching and digging for underground utilities. Construction of the internal roadways, pads for buildings, sidewalks, driveways, buildings, and landscaping will follow the site preparation. **Table 2** provides a list of anticipated construction equipment that would be utilized to construct the project.

TABLE 2
ANTICIPATED CONSTRUCTION EQUIPMENT TO BE USED IN PROJECT CONSTRUCTION

Equipment Category	Equipment Type
Excavators	Caterpillar 320E Caterpillar 314elc
Motor Grader/Blade	Caterpillar 140 M3
Skiploader	Caterpillar 415F2il
Smooth Drum Roller	Caterpillar CB32
Mini-Ex	Caterpillar 305.5E
Dozer	Caterpillar D6K2-4F
Front Loader	Caterpillar 930M

The proposed project would require the import of approximately 210 cubic yards of soil for the construction of the project.

Project Operation

The proposed project is planned to operate 24-hours-per-day throughout the year. The anticipated throughput of fuel for the project would be approximately 7 million gallons of gasoline and 680,000 gallons of diesel per year. To support this throughput, the project would receive an estimated 800 fuel deliveries per year.

Section 3 Environmental Checklist

3.1 Aesthetics

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

Environmental Setting

The project site is vacant land surrounded by urbanized retail, commercial, and industrial development. The surrounding retail buildings to the east and south are single-story buildings. The warehouse buildings to the north of the project site are two-story concrete industrial buildings with asphalt parking lots in front of the buildings. The area directly west of the project site will contain the approved Natomas Fountains Apartments development, which will consist of three-story buildings approximately 47.8 feet in height. The Apartments will be located approximately 156 feet from the proposed project.

Discussion

a) ***No Impact.*** There are no scenic vistas on or near the proposed project site, nor are any officially recognized scenic highways present in proximity to or visible from the site.[1] [2] As a result, the proposed project would not result in impacts to a scenic vista or highway.

b) ***No Impact.*** As described above, there are no scenic vistas or scenic highways on or within proximity of the proposed project site. Therefore, no damage would occur to such resources.

[1] California Department of Transportation. California State Scenic Highway System Map. Available: https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=026e830c914c495797c969a3e5668538. Accessed January 20, 2023.

[2] California Department of Transportation. List of eligible and officially designated State Scenic Highways. Available: https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways. Accessed January 20, 2023.

c) ***Less than Significant.*** The proposed project site is currently vacant and is bounded by undeveloped land and the Raley's Natomas Distribution Center to the north, Gateway Park Boulevard to the east, an existing retail center bordering Gateway Park Boulevard and Truxel Road to the south, and the forthcoming Natomas Fountains Apartments development to the west.

Implementation of the proposed project would result in the conversion of vacant land to developed commercial use and would therefore include alteration of the visual character of the project site. Additionally, existing views of the project site as a vacant lot visible to pedestrians and travelers along Gateway Park Boulevard would be affected by development of the proposed project. As the proposed project would result in the development of commercial uses similar to those which are already present in the vicinity of the project site, implementation of the proposed project would be consistent with the overall visual character of the project area. As is the intent of the City, the proposed project's design, development, and maintenance standards will be consistent with those outlined in the City of Sacramento 2035 General Plan, and would ensure that the visual character of the proposed project is consistent with the visual character of other similarly developed areas in the project vicinity. Therefore, the impacts to the visual character of the proposed project would be less than significant.

d) ***Less than Significant.*** As described in the Environmental Setting, the proposed project will orient the proposed fuel canopy approximately 156 feet from the eastern edge of the approved Natomas Fountains Apartments. The site plan for the proposed project depicts the canopy to include illuminated signage and fuel dispensers. The project lighting's location in such proximity to the Natomas Fountains Apartments could adversely affect nighttime views for future apartment residents. However, the project would adhere to applicable policies and regulations intended to reduce the effects of any potential source of substantial light or glare including designing onsite lighting to be downward shielded. City of Sacramento 2035 General Plan Policy LU 6.1.12 requires that mixed-use development be compatible with adjacent land uses, particularly residential uses. The City would require that features such as lighting be shielded and directed downward to minimize impacts on adjacent residential uses. Additionally, General Plan Policy ER 7.1.3 aims to minimize obtrusive light by limiting outdoor lighting that is misdirected, excessive, or unnecessary, and further requiring light for development to be directed downward to minimize spillover and vertical glare. The proposed project would be consistent with City of Sacramento Development Standards, policies outlined in the City of Sacramento 2035 General Plan. The resulting impact from nighttime lighting on surrounding residents would therefore be less than significant.

The proposed project would also include glass and metal surfaces that can reflect light and generate glare effects that may affect residents and vehicle operators in the project vicinity. However, the project would be constructed with materials that are designed to minimize glare effects and would not include surfaces that could be substantial sources of glare. Therefore, the project would have a less than significant impact related to the creation of a new source of substantial glare.

3.2 Agriculture and Forestry Resources

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

Environmental Setting

The approximately 1.26-acre site is currently in an undeveloped, vacant state surrounded predominantly by urban development. Developed areas include commercial, retail, and industrial uses, paved roadways, and ornamental landscape trees. The project site's vegetation includes the annual growth of grassland, which has been regularly disced in the past.

The site and its near vicinity are not used for any agricultural purposes. The project site is not under an active Williamson Act contract. No existing agricultural or timber-harvest uses are located on or in the vicinity of the project site.

Discussion

a) ***No Impact***. The project site has not been used for any agricultural purposes. It is currently vacant and undeveloped and is surrounded by developed land uses. The project site does not contain land that is classified as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance pursuant to the California Department of Conservation's Important Farmland Finder as part of the Farmland Mapping and Monitoring Program.[3] The project site does not contain soils designated as Important Farmland (i.e., Prime Farmland, Unique Farmland, or Farmland of Statewide Importance). Therefore, the proposed project would not convert any Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural uses. There would be no impact.

b) ***No Impact.*** The project site is zoned under the Coral Business Center PUD as SC-PUD. The vacant project site is not used for agricultural purposes. Further, the project site is not under a Williamson Act contract. The proposed use would be consistent with the zoning for the site, and no Williamson Act lands would be affected. Therefore, there would be no impact.

c) ***No Impact.*** The proposed project site is not forest land or zoned for forestry or timberland (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), nor is the site zoned for Timberland Production (as defined by Government Code section 51104(g)). The project site is located in an urbanized area adjoining other urbanized and developed land uses. As such, there would be no impact to forestry and timberland and timberland production/resources.

d) ***No Impact.*** As discussed above, the project site does not have any forest, nor is it designated for forestry. There will be no loss of forest land or conversion of forest land to non-forest use. Therefore, there would be no impact.

e) ***No Impact.*** The project site is located in an urbanized setting with developed uses such as commercial and retail. The site is not part of any proposal, due to its location or nature, that would lead to conversion of farmland to non-agricultural use or conversion of forest land to non-forest uses. Therefore, there would be no impact.

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[3] California Department of Conservation, 2023. Farmland Mapping and Monitoring Program. Important Farmland Finder. Available online: https://maps.conservation.ca.gov/DLRP/CIFF/. Accessed January 23, 2023.

3.3 Air Quality

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

Environmental Setting

The proposed project is located within the City of Sacramento. The Sacramento Metropolitan Air Quality Management District (SMAQMD) is the primary local governing agency with respect to air quality for all of Sacramento County, including the City of Sacramento. The City of Sacramento is within the Sacramento Valley Air Basin (SVAB), which also includes all of Butte, Colusa, Glenn, Sacramento, Shasta, Sutter, Tehama, Yolo, and Yuba Counties, the western portion of Placer County, and the eastern portion of Solano County. The SVAB is relatively flat, bordered by mountains to the east, west, and north. Air flows into the SVAB through the Carquinez Strait, the only breach in the western mountain barrier, and moves across the Delta, bringing with it pollutants from the heavily populated San Francisco Bay Area. The climate is characterized by hot, dry summers and cool, rainy winters. Periods of dense, persistent low-level fog that are most prevalent between storms are characteristic of SVAB winter weather. From May to October, the region's intense heat and sunlight lead to high ozone concentrations. Summer inversions are strong and frequent but are less troublesome than those that occur in fall. Autumn inversions, formed by warm air subsiding in a region of high pressure, have accompanying light winds that do not adequately disperse air pollutants.

Criteria Pollutants

Criteria air pollutants are a group of six common air pollutants for which the U.S. Environmental Protection Agency (EPA) has set ambient air quality standards. These pollutants include ozone, carbon monoxide, nitrogen dioxide (NO_2), sulfur dioxide, particulate matter of 10 microns or less in diameter (PM_{10}), particulate matter of 2.5 microns or less in diameter ($PM_{2.5}$), and lead. Most of the criteria pollutants are emitted as primary pollutants. Ground-level ozone, however, is a secondary pollutant that is formed in the atmosphere by chemical reactions between oxides of nitrogen (NO_X) and reactive organic gases (ROG) in sunlight. In addition to the criteria air pollutants identified by the EPA, the State of California adds four State criteria air pollutants: visibility-reducing particulates, sulfates, hydrogen sulfide, and vinyl chloride.

Sacramento County is under the jurisdiction of the Sacramento Metropolitan Air Quality Management District (SMAQMD). SMAQMD manages air quality conditions in Sacramento County through a comprehensive program of planning, regulation, enforcement, technical innovation, and promotion of the understanding of air quality issues. SMAQMD's clean-air strategy includes preparing plans to attain ambient air quality standards, adopting and enforcing rules and regulations governing sources of air pollution, and issuing permits for stationary sources of air pollution. SMAQMD also inspects stationary sources of air pollution and responds to citizen complaints, monitors ambient air quality and meteorological conditions, and implements programs and regulations required by the federal Clean Air Act and California Clean Air Act.

The Sacramento region is considered a nonattainment area with respect to the State and federal ozone standards and the State PM_{10} standard, and a maintenance area with respect to the federal carbon monoxide and PM_{10} standards. The area is designated as unclassified or is in attainment with respect to all other State and federal standards. **Table 3** summarizes the attainment status of Sacramento County for national and California ambient air quality standards.

TABLE 3
SACRAMENTO COUNTY ATTAINMENT STATUS

Pollutant and Averaging Time	Designation/Classification	
	State Standards	Federal Standards
Ozone (1-hour)	Nonattainment	No Federal Standard
Ozone (8-hour)	Nonattainment/Serious	Nonattainment/Severe
Carbon Monoxide	Attainment	Attainment/Maintenance
Nitrogen Dioxide	Attainment	Unclassified/Attainment
Sulfur Dioxide	Attainment	Unclassified/Attainment
Respirable Particulate Matter (PM_{10})	Nonattainment	Attainment/Maintenance*
Fine Particulate Matter ($PM_{2.5}$)	Nonattainment	Nonattainment/Moderate**
Lead	Attainment	Unclassified/Attainment
Visibility Reducing Particles	Unclassified	No Federal Standard
Sulfates	Attainment	No Federal Standard
Hydrogen Sulfide	Unclassified	No Federal Standard
Vinyl Chloride	Unclassified	No Federal Standard

NOTES:
California Air Resources Board (CARB) makes area designations for ten criteria pollutants (O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, lead, visibility reducing particles, sulfates, and hydrogen sulfide. CARB does not designate areas according to the vinyl chloride standard.

* Effective October 28, 2013, the US EPA formally re-designated Sacramento County as attainment for the federal PM_{10} standard.
** As of 2015, the U.S. EPA found that the Sacramento area attained the 2006 $PM_{2.5}$ standards; thus Sacramento County is in the process of being redesignated by EPA.

SOURCES: SMAQMD - Air Quality Pollutants and Standards, https://www.airquality.org/Air-Quality-Health/Air-Quality-Pollutants-and-Standards, accessed February 17, 2023. California Air Resources Board, 2022 Area Designation Maps. Available: http://www.arb.ca.gov/desig/adm/adm.htm, accessed February 17, 2023; U.S. Environmental Protection Agency, 2023 U.S. EPA Green Book – Current Nonattainment Counties for All Criteria Pollutants, https://www3.epa.gov/airquality/greenbook/ancl.html#CA, accessed February 21, 2023.

All areas designated as nonattainment are required to prepare plans showing how the area would meet the air quality standards by its intended attainment dates. The following are the most recent air quality plans applicable to the project area:

- Sacramento Regional 8-Hour Ozone Attainment and Reasonable Further Progress Plan;[4]
- SMAQMD's Triennial Report and Air Quality Plan Revision;[5]
- PM_{10} Implementation/Maintenance Plan and Redesignation Request for Sacramento County;[6] and
- $PM_{2.5}$ Maintenance Plan and Redesignation Request.[7]

Toxic Air Contaminants

Toxic air contaminants (TACs) are state-designated, airborne substances that are capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e., cancer-causing) adverse human health effects (injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted by a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations, as well as heavy-duty trucks and heavy equipment. The current California list of TACs includes nearly 200 compounds, including diesel particulate matter (DPM) emissions from diesel-fueled engines,[8] which is driving most of the inhalation pathway health risks in the state.

Odors

Odors are generally regarded as a nuisance or annoyance rather than a health hazard, although individuals can have a strong physical response to specific odors. Odor intensity depends on the concentration of the substance in the air. The ability to detect odors varies considerably among members of the population. The detection of odors is subjective; some individuals can smell minute quantities of specific substances, while others may be sensitive to odors from other substances. Reactions to odors vary substantially as well.

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4 Sacramento Metropolitan Air Quality Management District, 2017. *Sacramento Regional 2008 NAAQS 8-Hour Ozone Attainment and Reasonable Further Progress Plan*. July 24, 2017. Available: http://www.airquality.org/ProgramCoordination/Documents/Sac%20Regional%202008%20NAAQS%20Attainment%20and%20RFP%20Plan.pdf, accessed on February 28, 2023.

5 Sacramento Metropolitan Air Quality Management District, 2015. *Triennial Report and Air Quality Plan Revision*. May 28, 2015. Available: http://www.airquality.org/ProgramCoordination/Documents/2015%20Triennial%20Report%20combined%202015-05-28.pdf, accessed on February 28, 2023.

6 Sacramento Metropolitan Air Quality Management District, 2010. *PM_{10} Implementation/Maintenance Plan and Redesignation Request for Sacramento County*. October 28, 2010. Available: https://www.airquality.org/ProgramCoordination/Documents/10)%20%20PM10%20Imp%20and%20MP%202010.pdf, accessed on February 28, 2023.

7 Sacramento Metropolitan Air Quality Management District, 2013. *$PM_{2.5}$ Implementation/Maintenance Plan and Redesignation Request for Sacramento $PM_{2.5}$ Nonattainment Area*. October 24, 2013. Available: https://www.airquality.org/ProgramCoordination/Documents/PM2.5%20Imp%20and%20Redesignation%202013.pdf, accessed February 28, 2023.

8 California Air Resources Board, 2011. *Toxic Air Contaminant Identification List*. Available: https://ww2.arb.ca.gov/resources/documents/carb-identified-toxic-air-contaminants. Accessed February 28, 2023.

Sensitive Receptors

Air quality does not affect individuals or groups within the population in the same way, as some groups are more sensitive to adverse health effects caused by exposure to air pollutants than others. Population subgroups sensitive to the health effects of air pollutants include the elderly and the young, those with higher rates of respiratory disease such as asthma and chronic obstructive pulmonary disease, and with other environmental or occupational health exposures (e.g., indoor air quality) that affect cardiovascular or respiratory diseases.

Land uses such as residential, schools, children's day care centers, hospitals, and nursing and convalescent homes are considered to be the most sensitive to poor air quality because the population groups associated with these uses have increased susceptibility to respiratory distress. Parks and playgrounds are considered moderately sensitive to poor air quality because persons engaged in strenuous work or exercise also have increased sensitivity to poor air quality; however, exposure times are generally far shorter in parks and playgrounds than in residential locations and schools, which typically reduces the overall health risk associated with exposure to pollutants. Residential areas are considered more sensitive to air quality conditions compared to commercial and industrial areas because people generally spend longer periods of time at their residences, with associated greater exposure to ambient air quality conditions. Workers are not considered sensitive receptors because all employers are required to follow regulations set forth by the Occupation Safety and Health Administration to ensure the health and well-being of their employees.

The approximately 1.26-acre project site is bounded by an undeveloped parcel and the Raley's Natomas Distribution Center to the north, Gateway Park Boulevard to the east, an existing retail center bordering Gateway Park Boulevard and Truxel Road to the south, and the approved but unconstructed Natomas Fountains Apartments to the west. The project site is about 0.7 miles from Discovery High School to the southeast. Additionally, the Natomas Marketplace retail center lies just over a third of a mile south of the site.

Ambient Air Quality

The California Air Resources Board (CARB) regional air quality monitoring network provides information on ambient concentrations of nonattainment criteria air pollutants. The monitoring stations that include data representative of the proposed project site are located on Sacramento-Bercut Drive (monitors $PM_{2.5}$, NO_x, and CO and is approximately 3.2 miles south of the project) and T Street (monitors ozone and PM_{10} and is approximately 5.0 miles south of the project). **Table 4** presents a five-year summary of air pollutant concentration data collected at these monitoring stations for ozone, PM_{10}, and $PM_{2.5}$.

TABLE 4
SUMMARY OF AIR QUALITY MONITORING DATA (2017-2021)

Pollutant	Applicable Standard	Monitored Concentrations and Number of Days Standards Were Exceeded[a]				
		2017	2018	2019	2020	2021
Ozone – Sacramento-T Street						
Days 1-hour State Std. Exceeded	>0.09 ppm[b]	1	1	1	1	0
Max. 1-hour Conc. (ppm)		**0.107**	**0.097**	**0.100**	**0.112**	0.091
Days 8-hour National Std. Exceeded	>0.07 ppm[c]	3	1	1	3	1
Days 8-hour State Std. Exceeded	>0.07 ppm[b]	3	1	1	3	1
Max. 8-hour Conc. (ppm)		**0.078**	**0.085**	**0.075**	**0.076**	**0.081**
Suspended Particulates (PM10) – Sacramento-T Street						
Estimated Days Over 24-hour National Std.[d]	>150 µg/m^3 [c]	0.0	6.0	1.0	4.0	0.0
Estimated Days Over 24-hour State Std.[d]	>50 µg/m^3 [b]	ND	22.2	24.5	**59.0**	13.3
Max. 24-hour Conc. National/State (µg/m^3)		149.9/**150.3**	**292.6/309.5**	**174.7/179.1**	**298.7/292.8**	**174.7/142.6**
State Annual Average (µg/m^3)	>20 µg/m^3 [b]	ND	**29.7**	**20.7**	**31.2**	**23.5**
Suspended Particulates (PM2.5) – Bercut Drive						
Estimated Days Over 24-hour National Std.[d]	>35 µg/m^3 [c]	5.9	6.8	0.0	ND	6.6
Max. 24-hour Conc. National (µg/m^3)		**46.9**	**207.1**	35.3	**121.3**	**87.0**
Annual Average National (µg/m^3)	>12 µg/m^3 [b]	9.3	12.0	8.3	ND	10.9

NOTES:

Bold values are in excess of applicable standard. "NA" indicates that data is not available.
conc. = concentration; ppm = parts per million; ppb=parts per billion;
µg/m^3 = micrograms per cubic meter
ND = No data or insufficient data.

a. Number of days exceeded is for all days in a given year, except for particulate matter. PM_{10} and $PM_{2.5}$ are monitored every six days.
b. State standard, not to be exceeded.
c. National standard, not to be exceeded.
d. Particulate matter sampling schedule of one out of every six days, for a total of approximately 60 samples per year. Estimated days exceeded mathematically estimates how many days concentrations would have been greater than the level of the standard had each day been monitored.

SOURCE: California Air Resources Board, 2023. *Summaries of Air Quality Data, 2017-2021*, https://www.arb.ca.gov/adam/topfour/topfourdisplay.php, accessed February 21, 2023.

Discussion

a) ***Less than Significant.*** SMAQMD relies on its *Guide to Air Quality Assessment in Sacramento County* (CEQA Guide) to help achieve and maintain all air quality standards as relevant to land use projects.[9] Demonstration of the project's conformity with all applicable thresholds of significance and best management practices described by SMAQMD's CEQA Guide is described below under Question b), which indicates consistency with the regional attainment plans.

b) ***Less than Significant with Mitigation Incorporated.*** Cumulative impacts refer to the incremental effect of several projects that may have an individually minor, but collectively significant, impact on air quality. By its very nature, air pollution is largely a cumulative impact. Ambient air quality standards are violated or approach nonattainment levels due to past development that has formed the urban environment, and attainment of standards can be jeopardized by increasing emissions-generating activity in the region. Although a project's emissions may be individually limited, they may be cumulatively considerable when taken in combination with past, present, and future development projects.

Consequently, the SMAQMD's approach to thresholds of significance is to determine whether a project's individual emissions would result in a cumulatively considerable adverse contribution to the SVAB's existing air quality conditions. If a project's emissions are estimated to be less than the thresholds, the project would not result in a cumulatively considerable contribution to the significant cumulative impact.

This impact analysis presented below takes into consideration both short-term construction and long-term operational impacts in terms of project increases for criteria pollutants for which the project region is nonattainment under an applicable federal or state ambient air quality standard. The focus of this analysis is related to the ground-level ozone precursors NO_X and ROG, and particulate matter. These are the pollutants for which the SVAB is in nonattainment. Emissions were modeled using the California Emissions Estimator Model ® (CalEEMod), Version 2022.1.15.

Short-Term Construction Impacts

Construction-related emissions are considered short-term in duration, but nevertheless can represent a significant, adverse impact on air quality. Construction-related emissions arise from a variety of activities, including operation of heavy equipment, employee vehicles, excavation, building construction, architectural coatings, and paving.

Emissions of ozone precursors (ROG and NO_X) are generated primarily by construction equipment and mobile sources and largely vary as a function of vehicle trips per day and the type, quantity, intensity, and frequency of heavy-duty, off-road equipment used.

[9] Sacramento Metropolitan Air Quality Management District, 2021. *Guide to Air Quality Assessment*. Adopted December 2009, most recently updated April 2021. Available: https://www.airquality.org/residents/ceqa-land-use-planning/ceqa-guidance-tools. Accessed on February 27, 2023.

Typically, a large portion of construction-related ROG emissions results from the application of asphalt on to roads and parking areas, and the application of architectural coatings. Construction-related fugitive dust emissions of particulate matter would vary from day to day, depending on the level and type of activity, silt content of the soil, and the weather. Project construction activities could result in dust adversely affecting local visibility and PM_{10} concentrations on a temporary and intermittent basis.

Construction emissions were estimated for the proposed project using CalEEMod. The CalEEMod model was used to quantify construction emissions from off-road equipment, haul trucks associated with imported soils, worker vehicle emissions, and vendor delivery trips.

Project construction would begin in January 2024 and is expected to last for a period of 6 months. Project-specific construction information was used for modeling when possible. Where project-specific data were unavailable, CalEEMod defaults were used, which capture assumed values consistent with standard practice. The project applicant provided a construction phasing schedule which was used in the model; however, CalEEMod defaults were applied for equipment used within each phase, number, size (horsepower [hp]) and activity level of equipment, number of worker, vendor, and haul trips as well as trip lengths. CalEEMod inputs and outputs can be found in **Appendix A**.

Table 5 shows the unmitigated construction emissions for the worst-case day compared to SMAQMD's NO_X, PM_{10}, and $PM_{2.5}$ construction thresholds, which are appropriate for this analysis. According to the SMAQMD CEQA guidance, project-related construction emissions that exceed zero pounds per day of PM_{10} and $PM_{2.5}$ would result in a significant impact, unless all feasible Best Available Control Technologies/Best Management Practices (BACT/BMPs) are implemented. When BACT/BMPs are applied, the PM_{10} and $PM_{2.5}$ significance thresholds for construction are 80 and 82 pounds per day (14.6 and 15 tons per year), respectively. The proposed project would be subject to SMAQMD regulations for fugitive dust generated from construction equipment as described in **Mitigation Measure AQ-1**, which require that every reasonable precaution be taken to control fugitive dust.

Mitigation Measure AQ-1: Implement SMAQMD Best Management Practices during Construction

The project shall implement the following required best management practices to control fugitive dust from project construction activities.

- Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to, soil piles, graded areas, unpaved parking areas, staging areas, and access roads.

- Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways shall be covered.

- Use wet power vacuum street sweepers to remove any visible trackout mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited.
- Limit vehicle speeds on unpaved roads to 15 miles per hour (mph).
- All roadways, driveways, sidewalks, and parking lots to be paved shall be completed as soon as possible. In addition, building pads shall be laid as soon as possible after grading, unless seeding or soil binders are used.
- Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [required by California Code of Regulations, Title 13, sections 2449(d)(3) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site.
- Maintain all construction equipment in proper working condition according to manufacturer's specifications. The equipment must be checked by a certified mechanic and determined to be running in proper condition before it is operated.
- Maintain equipment inspection and maintenance programs to ensure work and fuel efficiencies.

Compliance with the applicable SMAQMD regulations would satisfy the criteria that all feasible BACT/BMPs have been applied to minimize onsite construction emissions of fugitive dust. Therefore, project-related emissions of PM_{10} and $PM_{2.5}$ are compared to the SMAQMD significance thresholds of 80 and 82 pounds per day (14.6 and 15 tons per year), respectively. SMAQMD does not recommend a significance threshold for ROG.

TABLE 5
UNMITIGATED MAXIMUM DAILY CONSTRUCTION EMISSIONS

Category	NO_X (ppd)	PM_{10} (ppd)	$PM_{2.5}$ (ppd)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)
Construction Emissions	26	12	6	0.0	0.0
SMAQMD Thresholds	85	80	82	14.6	15
Significant (Yes or No)?	No	No	No	No	No

Notes:
NO_X = oxides of nitrogen; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ppd = pounds per day; SMAQMD = Sacramento Metropolitan Air Quality Management District; tpy = tons per year
Source: ESA, 2023.

As shown in Table 2-3, unmitigated maximum daily NO_X, **PM_{10}, and $PM_{2.5}$** emissions would fall below the applicable SMAQMD significance thresholds for construction.

Project construction activities would be subject to the applicable SMAQMD rules and regulations for construction equipment, particulate matter generation, architectural coatings, and paving materials. These include, but are not limited to:

- Rule 401 (Ringelmann Chart/Opacity) which limits the discharge of pollutants darker in color than shade No. 1 on the Ringlemann Chart or that obscure a human observer's view;

- Rule 402 (Nuisance) which prohibits emissions of contaminants that are a nuisance or cause harm to the public;

- Rule 403 (Fugitive Dust) which requires fugitive dust generating activities to take reasonable precautions to limit emissions of fugitive dust from being airborne beyond the property line;

- Rule 404 (Particulate Matter) which establishes limits emissions of particulate matter;

- Rule 420 (Sulfur Content of Fuels) which places limits on emissions of sulfur compounds from fuel combustion;

- Rule 442 (Architectural Coatings) which imposes limits on the VOC content of architectural coatings used within the SMAQMD; and

- Rule 453 (Cutback and Emulsified Asphalt Paving Materials) which prohibits the use of certain types of cutback asphalt and emulsified asphalt containing organic compounds.

Compliance with these SMAQMD rules is enforced as standard conditions of approval for all development projects within the SMAQMD jurisdiction. Therefore, the project would comply with all applicable SMAQMD Rules and Regulations. Based on the above analysis, project construction would not result in a cumulatively considerable net increase in any criteria pollutant, and the impact would be less than significant.

Long Term Operational Impacts

The proposed project would create operational emissions primarily due to motor vehicle trips and to a lesser extent from onsite area sources such as use of consumer products, landscaping activities and the application of architectural coatings. Compared to mobile sources, onsite area sources would result in lesser quantities of criteria pollutant emissions.[10] Operational emissions were calculated using CalEEMod. The key inputs to CalEEMod included the proposed project land uses and the traffic data provided by Wood Rogers.[11] The estimates shown in **Table 6** are based on 3,383 average daily trips generated by the proposed project. Modeling assumptions and output files are included in Appendix A. Estimated emissions are compared to the SMAQMD significance

10 Area sources include water and space heaters that burn natural gas, and landscape maintenance equipment that typically burn gasoline.

11 Wood Rogers, 2022. Natomas ARCO Project – Trip Generation Analysis, 2022.

thresholds. SMAQMD identifies the following list of BMPs for operational PM emissions for land use development projects:

- Compliance with District rules that control operational PM and NO_X emissions. Reference rules regarding wood burning devices, boilers, water heaters, generators and other PM control rules that may apply to equipment to be located at the project site.

- Compliance with mandatory measures in the California Building Energy Efficiency Standards (Title 24, Part 6) that pertain to efficient use of energy at a residential or non-residential land use.

- Compliance with mandatory measures in the California Green (CALGreen) Building Code (Title 24, Part 11). Current mandatory measures related to operational PM for non-residential projects include requirements for bicycle parking, parking for fuel efficient vehicles, electric vehicle charging, and fireplaces.

TABLE 6
PROJECT OPERATIONAL EMISSIONS[1,2]

Sources	Pollutant Emissions					
	ROG (ppd)	NOx (ppd)	PM10 (ppd)	PM2.5 (ppd)	PM10 (tpy)	PM2.5 (tpy)
Area Sources	0.1	Negligible	Negligible	Negligible	Negligible	Negligible
Energy Sources	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
Mobile Sources	13.0	5.0	0.9	0.2	0.2	0.04
Total Proposed Project	13.1	5.0	0.9	0.2	0.2	0.04
SMAQMD Thresholds of Significance[1]	65	65	80	82	14.6	15
Exceed Operational Threshold?	No	No	No	No	No	No

The proposed project would comply with all above requirements as part of law or as standard conditions of approval, which justifies the use of the non-zero operational thresholds for PM_{10} and $PM_{2.5}$. As shown in Table 2-4, emissions of ROG, NO_X, PM_{10}, and $PM_{2.5}$ would not exceed SMAQMD's significance thresholds. Consequently, project operation would not result in a cumulatively considerable net increase in any criteria pollutant for which the region is nonattainment, and the impact would be less than significant.

c) ***Less than Significant with Mitigation Incorporated.***

Construction

Construction equipment and associated heavy-duty truck traffic generates diesel exhaust, which is a known TAC. Construction exhaust emissions may pose health risks for

sensitive receptors. The health risk assessment (HRA) prepared for the proposed project evaluated the potential health effects to nearby sensitive receptors from construction emissions of DPM (see Appendix A). This assessment included dispersion modeling to predict the off-site concentrations resulting from project construction, so that lifetime cancer risks and non-cancer health effects could be evaluated. While an HRA typically addresses exposure over a 70- to 30-year period, construction activities for the project are only expected to take six months. Therefore, the HRA for this project's construction activities evaluated an exposure period of six months.

The HRA was conducted using the U.S. EPA AERMOD dispersion model and uses measured meteorology to predict conservative concentrations at specific locations defined by a Cartesian coordinate system. Diesel construction equipment would be used during the site preparation, grading, building construction, paving, and architectural coating phases.

A conservative representation of the on-site construction equipment within the proposed project site was modeled as an area source, based on the site planning diagrams (included in Appendix A). The modeling parameters are as follows:

- On-site Construction: one polygon area source dimensions covering the project sites, with;
    - Release height of 5 meters for construction equipment exhaust;
    - Initial vertical dimension of 1.4 meters;
    - Emissions occurring only between the hours of 8 AM and 5 PM;
- Receptor flagpole height of 1.5 meters (ground-level receptor at breathing height); and
- Meteorological station of Sacramento International Airport for the years 2014 through 2018.

The project was modeled with an emission rate of one gram per second to obtain a dispersion factor (unit concentration) at each receptor location. The DPM concentration was calculated using the dispersion factor and the DPM emissions from Table 2-3.

The HRA was based on recommended methodology of the Office of Environmental of Health Hazard Assessment (OEHHA) – Air Toxics Hot Spots Program Risk Assessment Guidelines.[12] To calculate the resident child cancer risks, the 95th percentile daily child breathing rate is recommended for children under the age of two and 80th percentile rate for age groups that are 2 years old or older. These breathing rates were used along with the modeled annual TAC concentrations and assuming the exposure would occur for 176

[12] OEHHA – Air Toxics Hot Spots Program Risk Assessment Guidelines, February 2015, available at https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, accessed on February 28, 2023.

days per year at the residence, the estimated length of time that construction activities would occur.

SMAQMD does not have published thresholds for addressing potential health risk impacts from construction activities; thus, it is common practice to use SMAQMD's published TAC thresholds for stationary sources. The recommended levels of significance are an incremental cancer burden risk of 10 per million and a hazard index of 1.

As shown in **Table 7**, the proposed project has a potential incremental cancer risk impact of 12.7 per million before mitigation, which exceeds the threshold of 10 per million.

As shown in Table 2-5, the maximum increase in lifetime residential cancer risk from unmitigated construction would exceed the SMAQMD threshold of 10 in one million. After the implementation of **Mitigation Measure AQ-2: Tier 4 Engines,** DPM from construction equipment would be reduced and the maximum increased lifetime residential cancer risk, would be 1.3 in one million, and the Hazard Index would be less than 0.01 for project-level risk. As a result, health risk impacts would be reduced to less than significant with mitigation.

TABLE 7
PROJECT CONSTRUCTION HEALTH RISK IMPACTS

Source	Cancer Risk (per million)	Hazard Index
Project Construction	**12.7**	0.06
Applied Thresholds	10	1
Exceeds Threshold?	**Yes**	No
Project Construction Mitigated*	1.3	0.006
Applied Thresholds	10	1
Exceeds Threshold?	No	No

NOTES:
Health risk calculations are included in Appendix A.
* With implementation of Mitigation Measure AQ-2.

SOURCE: Table compiled by Environmental Science Associates in 2023

Mitigation Measure AQ-2: Implement Best Available Control Technology for Construction Equipment.

All diesel off-road equipment shall have engines that meet the Tier 4 Final off-road emission standards, as certified by CARB. This requirement shall be verified through submittal of an equipment inventory that includes the following information:

(1) Type of Equipment,

(2) Engine Year and Age,

(3) Number of Years Since Rebuild of Engine (if applicable),

(4) Type of Fuel Used,

(5) Engine horsepower,

(6) Verified Diesel Emission Control Strategy (VDECS) information if applicable and other related equipment data.

A Certification Statement is also required to be made by the Contractor for documentation of compliance and for future review by the air district as necessary. The Certification Statement must state that the Contractor agrees to compliance and acknowledges that a violation of this requirement shall constitute a material breach of contract.

The Lead Agency may waive the equipment requirement above only under the following unusual circumstances:

- If a particular piece of off-road equipment with Tier 4 Final standards is technically not feasible or not commercially available;
- the equipment would not produce desired emissions reduction due to expected operating modes;
- installation of the equipment would create a safety hazard or impaired visibility for the operator;
- or there is a compelling emergency need to use other alternate off-road equipment.

If the Lead Agency grants the waiver, the contractor shall use the next cleanest piece of off-road equipment available, as detailed in **Table 8** below.

For purposes of this mitigation measure, "commercially available" shall mean the availability of Tier 4 Final engines similar to the availability for other large-scale construction projects in the region occurring at the same time and taking into consideration factors such as

(i) potential significant delays to critical-path timing of construction for the project and

(ii) geographic proximity to the project site of Tier 4 Final equipment.

The Contractor shall maintain records concerning its efforts to comply with this requirement.

Table 8 describes the Off Road Compliance Step Down approach. If engines that comply with Tier 4 Final off-road emission standards are not commercially available, then the Contractor shall meet Compliance Alternative 1. If off-road equipment meeting Compliance Alternative 1 are not commercially available, then the project sponsor shall meet Compliance Alternative 2. If off-road equipment meeting

Compliance Alternative 2 are not commercially available, then the project sponsor shall meet Compliance Alternative 3 as demonstrated below.

TABLE 8
OFF ROAD EQUIPMENT COMPLIANCE STEP DOWN APPROACH

Compliance Alternative	Engine Emissions Standard	Emissions Control
1	Tier 4 Interim	N/A
2	Tier 3	CARB Level 3 VDECS
3	Tier 2	CARB Level 3 VDCES

With implementation of Mitigation Measure AQ-2, estimated health risk impacts would not exceed the health risk significance thresholds. Therefore, the construction activities for the proposed project would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant with mitigation incorporated.

Operations

Operation of the project would not result in any new permitted stationary sources. However, operation of the project would result in new sources of TAC associated with commercial and fuel delivery trucks, as well as vehicles refueling. The California Air Resources Board (CARB) and the California Air Pollution Control Officer's Association (CAPCOA) have developed technical guidance and tools to assist with HRA for gas stations.[13] This technical guidance recommends using a spreadsheet look-up tool developed by CARB and CAPCOA to estimate potential cancer risks and hazard indices from gas station operations.[14] **Table 9** summarizes the results of the spreadsheet look-up tool for potential cancer risks and hazard indices for this project.

|As shown in Table 9, the estimated health risk impacts from operation emissions would not exceed the health risk significance thresholds at the nearest residential or nearest worker receptor. Therefore, the proposed project would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

[13] CARB – Gasoline Service Station Industrywide Risk Assessment Guidance, https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance, accessed on February 28, 2023.

[14] CARB and CAPCOA – Gasoline Service Station Industrywide Risk Assessment Technical Guidance, February 2022, https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf, accessed February 28, 2023.

TABLE 9
PROJECT OPERATION HEALTH RISK IMPACTS[1]

	Cancer Risk (per million)	Hazard Index
Max Residential Cancer Risk	**7.9**	N/A
Max Worker Cancer Risk	2.67	N/A
Chronic Hazard Index	N/A	0.12
Acute Hazard Index	N/A	0.87
Applied Thresholds	10	1
Exceeds Threshold?	No	No

NOTES: N/A = Not Applicable

1. Cancer risk and hazard index calculated using 2022 CARB & CAPCOA Gasoline Service Station Industrywide Risk Assessment Look-up Tool, Version 1.0 – February 18, 2022, available at https://ww2.arb.ca.gov/resources/documents/gasoline-service-station-industrywide-risk-assessment-guidance, accessed on February 28, 2023.

Full look-up tool output is included in Appendix A.

SOURCE: Table compiled by Environmental Science Associates in 2023

d) ***Less Than Significant.*** The SMAQMD has identified typical odor sources in its *CEQA Guide to Air Quality Assessment*. These include wastewater treatment plants, sanitary landfills, composting and green waste facilities, recycling facilities, petroleum refineries, chemical manufacturing plants, painting and coating operations, rendering plants, and food packaging plants.[15] The proposed project would not include uses that have been identified by SMAQMD as potential sources of objectionable odors. Exhaust from diesel-powered construction equipment and the laying of asphalt during construction activities can generate short-term, non-persistent odors. However, these odors would be temporary and intermittent and would dissipate rapidly from the source with increases in distance. Given the temporary nature of construction activity, the project would have a less than significant impact with respect to creation of odors affecting a substantial number of people. Operation of the project would result in diesel-fueled delivery trucks and refueling by passenger vehicles and trucks, activities that could result in long-term operational odors. These types of odors are similar to existing odor sources, including nearby roadways. Additionally, odors would dissipate rapidly from the source with increases in distance, and therefore not be anticipated to result in substantial operational sources of odor. This impact would be less than significant.

15 Sacramento Metropolitan Air Quality Management District, 2021. *Guide to Air Quality Assessment*. Adopted December 2009, most recently updated April 2021. Available: https://www.airquality.org/residents/ceqa-land-use-planning/ceqa-guidance-tools. Accessed on February 27, 2023.

3.4 Biological Resources

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

Environmental Setting

The project site is located in the Natomas Basin, a low-lying area, located east of the Sacramento River and north of its confluence with the American River. The Natomas Basin is bounded by the Natomas Cross Canal to the north, Garden Highway to the south, the Natomas East Main Drainage Canal (i.e., Steelhead Creek) to the east, and the Sacramento River to the west.

The approximately 1.26-acre project site is currently in an undeveloped, vacant state surrounded predominantly by urban development. Developed areas include commercial, retail, and industrial uses, paved roadways, and ornamental landscape trees. The project site's vegetation includes the annual growth of grassland, which has been regularly disced in the past.

The biological analysis presents the findings of data review and of a reconnaissance-level site visit pertaining to terrestrial biological resources of the study area. Use of the term "Study Area" in this section refers to the area where direct, indirect, or cumulative effects could occur to terrestrial biological resources as a result of the project. The study area generally include the project site and adjacent habitats.

Vegetation Communities and Wildlife Habitats

Wildlife habitats are generally described in terms of vegetation types along with landform, disturbance regime, and other unique environmental characteristics. This section is organized into wildlife habitats based on California Department of Fish and Wildlife's (CDFW's) *A Guide to Wildlife Habitats of California*[16] that is used in CDFW's California Wildlife Habitat Relationships System (CWHR). The CWHR habitat classification scheme has been developed to support the CWHR System, a wildlife information system and predictive model for California's regularly occurring birds, mammals, reptiles and amphibians.

Vegetation types are assemblages of plant species that occur together in the same area and are repeated across landscapes and are defined by species composition and relative abundance. Vegetation alliances are scientifically derived hierarchical classes that correspond best with plant communities and are designed to be the unit for conservation of rare or threatened plant communities. Vegetation alliances presented in this section correspond with the vegetation classification system presented in Sawyer, Keeler-Wolf, and Evans' *A Manual of California Vegetation, Second Edition*.[17] Wildlife habitats generally correspond to vegetation types. Within Sawyer, Keeler-Wolf, and Evans' vegetation classification system, a crosswalk is provided to help correlate vegetation alliances with wildlife habitats. The descriptions below make use of the crosswalk.

Descriptions of wildlife habitats present within the project site are presented below. Where applicable, related vegetation alliances are listed following the wildlife habitat description and are based on the alliance descriptions presented by Sawyer, Keeler-Wolf, and Evans.[18] It should be noted that habitat types occurring in the project site are dominated by weed, and non-native plants. These vegetation types are referred to as "semi-natural stands," and are not grouped into vegetation alliances.[19] Similarly, disturbed, or urban areas do not have a corresponding vegetation type classification.

Vegetation communities and wildlife habitats were identified during a reconnaissance survey on December 17, 2015. Habitat types within the project site include Annual Grassland, Disturbed/Developed.

Annual Grassland

Annual grassland is generally found in open areas in valleys and foothills throughout coastal and interior California. It typically occurs on soils consisting of fine-textured loams or clays that are somewhat poorly drained. This habitat type is dominated by non-native annual grasses and weedy annual and perennial forbs, primarily of Mediterranean origin, that have replaced native perennial

16 Mayer and Laudenslayer, Jr., 1988. A Guide to Wildlife Habitats of California. State of California Resources Agency, California Department of Fish and Wildlife. Sacramento, CA. Available: http://www.dfg.ca.gov/biogeodata/cwhr/wildlife_habitats.asp. Accessed December 11, 2015.

17 Sawyer, J.O., T. Keeler-Wolf, and J.M. Evans, 2009. A Manual of California Vegetation, Second Edition, California Native Plant Society, Sacramento, California.

18 Sawyer, J.O., T. Keeler-Wolf, and J.M. Evans, 2009. A Manual of California Vegetation, Second Edition, California Native Plant Society, Sacramento, California.

19 Sawyer, J.O., T. Keeler-Wolf, and J.M. Evans, 2009. A Manual of California Vegetation, Second Edition, California Native Plant Society, Sacramento, California.

grasslands, scrub, and woodland as a result of human disturbance. Common species present within the project site include wild oats (*Avena fatua*), slender oat (*Avena barbata*), hare barley (*Hordeum murinum* var. *leporinum*), ripgut brome (*Bromus diandrus*), yellow star thistle (*Centaurea solstitialis*), field mustard (*Brassica rapa*), Italian thistle (*Carduus pycnocephalus*), foxtail fescue (*Vulpia myuros*), and Russian thistle (*Salsola tragus*).

Common wildlife species that occur in this habitat include the western fence lizard (*Sceloporus occidentalis*) and common garter snake (*Thamnophis sirtalis*). Mammals typically found in this habitat include black-tailed jackrabbit (*Lepus californicus*), California ground squirrel (*Otospermophilus beecheyi*), Botta's pocket gopher (*Thomomys bottae*), western harvest mouse (*Reithrodontomys megalotis*), California vole (*Microtus californicus*), and coyote (*Canis latrans*). Common birds found in Annual Grassland habitats include horned lark (*Eremophila alpestris*), western meadowlark (*Sturnella neglecta*), red-winged blackbird (*Agelaius phoeniceus*), and barn owl (*Tyto alb*a). This habitat is important foraging habitat for raptor species, including the state-species of special concern, burrowing owl (*Athene cunicularia*).

Vegetation Alliances

- Avena (*barbata*, *fatua*) Wild oats grassland

Disturbed/Developed

This habitat includes all areas that have been developed, including areas where scraping, leveling, and paving has occurred during road construction, but also includes paved areas and buildings. Vegetation in disturbed areas includes ornamental vegetation, including landscaping trees that line Truxel Road, and weed species.

Special-Status Species, Natural Communities, and Critical Habitat

A list of special-status species that have the potential to occur within the vicinity of the study area was compiled based on data in the CNDDB,[20] the U.S. Fish and Wildlife Service (USFWS) determination of federal endangered and threatened species that may occur in the proposed project location, and/or may be affected by the proposed project,[21] the CNPS Inventory of Rare and Endangered Plants,[22] and occurrences published in the NBHCP.[23] A full list of special-status species, their general habitat requirements, and an assessment of their potential to occur with the project site is provided in **Appendix B**. However, the majority of these species are unlikely to occur in the project study area, or be affected by the project, due to the project's location being outside of special-status species' geographic range; habitats are of poor quality; or unsuitable conditions occur in the project study area (CDFW, 2018, 2023; CNPS, 2018, 2023; USFWS,

20 California Natural Diversity Database (CNDDB), 2023. Available:https://apps.wildlife.ca.gov/rarefind/view/RareFind.aspx Accessed: Feb 15, 2023.

21 U.S. Fish and Wildlife Service (USFWS), Sacramento Fish and Wildlife Office, Sacramento, CA, Feb 15, 2023—list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by proposed project.

22 California Native Plant Society, Rare Plant Program, 2023. Inventory of Rare and Endangered Plants. Available: http://www.rareplants.cnps.org/. Accessed Feb 15, 2023.

23 Sacramento and Sutter Counties, and Natomas Basin Conservation, 2003 (April). Natomas Basin Habitat Conservation Plan. Prepared for U.S. Fish and Wildlife Service and California Department of Fish and Wildlife. Sacramento, CA.

2018, 2023). From the full list of species in Appendix B, each special-status species was then individually assessed based on habitat requirements and distribution relative to vegetation communities that occur in and around the respective Study Areas. **Table 10** lists the special-status species that have at least a moderate potential to occur within the Study Area based on the database searches and the reconnaissance-level site assessment. Only species classified as having medium or greater potential for occurrence were considered in the impact analysis.

The "Potential for Occurrence within the Project Area" category is defined as follows:

TABLE 10
SPECIAL-STATUS SPECIES THAT MAY OCCUR WITHIN STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Birds			
Athene cunicularia Burrowing owl	--/SSC	Forages in open plains, grasslands, and prairies; typically nests in abandoned small mammal burrows.	**Medium**. Suitable habitat present within study area. Additionally, burrowing owls have been observed along the East Drainage Canal near the project site. This species was not observed during the reconnaissance survey.
Reptiles			
Thamnophis gigas Giant garter snake	FT/ST	Found in marshes, sloughs, and irrigation canals/ditches, less with slow-moving creeks, and absent from larger rivers. Species is extremely aquatic and is rarely found away from water, and forages in water for food. Young are born in secluded sites, such as loose bark of rotting logs, dense vegetation, or crevices of rocky shorelines. Species basks on emergent vegetation such as cattails or tules. Takes refuge in mammal burrows, or piles of vegetation.	**Medium.** Marginal suitable habitat present in the East Drainage Canal near the project site.

STATUS CODES:

Status Codes:
USFWS (U.S. Fish and Wildlife Service)
FE = Listed as Endangered by the Federal Government
FT = Listed as Threatened (likely to become Endangered within the foreseeable future) by the Federal Government. CDFW (California Department of Fish and Wildlife)
CE = Listed as Endangered by the State of California
CT = Listed as Threatened by the State of California
SSC = (CA) Department of Fish and Wildlife Species of Special Concern

Potential to Occur Categories:
Unlikely =The project site and/or surrounding area do not support suitable habitat for a particular species, or the project site is outside of the species known range.
Low Potential = The project site and/or immediate area only provide limited amounts and low quality habitat. In addition, the known range for a particular species may be outside of the immediate project area.
Medium Potential = The project site and/or immediate area provide suitable habitat for a particular species.
High Potential = The project site and/or immediate area provide ideal habitat conditions and/or known populations occur in immediate area and/or within the project site.

Designated Critical Habitat

The Federal Endangered Species Act (FESA) requires the federal government to designate critical habitat for any species it lists under the FESA. Critical habitat is defined as: (1) specific areas

within the geographical area occupied by the species at the time of listing, if they contain physical or biological features essential to conservation, and those features may require special management considerations or protection; and (2) specific areas outside the geographical area occupied by the species if the agency determines that the area itself is essential for conservation. Critical habitat may include an area not currently used by an endangered or threatened species, but that will be needed for species recovery. The project site is not located within designated or proposed critical habitat for any listed species.[24]

Sensitive Natural Communities

A sensitive natural community is a biological community that is regionally rare, provides important habitat opportunities for wildlife, is structurally complex, or is in other ways of special concern. Most sensitive natural communities are given special consideration because they perform important ecological functions, such as maintaining water quality and providing essential habitat for plants and wildlife. Some plant communities support a unique or diverse assemblage of plant species and therefore are considered sensitive from a botanical standpoint. CEQA identifies the elimination of such communities as a significant impact.

Sensitive natural communities include: a) areas of special concern to federal, state, or local resource agencies; b) areas regulated under Section 404 of the CWA; c) areas protected under Section 402 of the CWA, and; d) areas protected under state and local regulations and policies. Habitat types on the Project site that would be considered sensitive by regulatory agencies include wetlands and other waters of the United States, which are regulated under Section 404 of the CWA.

The project site and surrounding area are mostly developed urban areas and there are no sensitive natural communities within the study area.

Wildlife Movement Corridors

Wildlife corridors are established migration routes commonly used by resident and migratory species for passage from one location to another. Maintaining the continuity of established wildlife corridors is important to: a) sustain species with specific foraging requirements, b) preserve a species' distribution potential, and c) retain diversity among many wildlife populations. Habitat loss, fragmentation, and degradation resulting from a change in land use or habitat conversion can alter the use and viability of wildlife movement corridors. Wildlife habitat corridors should fulfill several functions. They should maintain connectivity for daily movement, travel, mate-seeking, and migration; plant propagation; genetic interchange; population movement in response to environmental change or natural disaster; and recolonization of habitats subject to local extirpation[25].

The East Drainage Canal, adjacent to the project site, serves as a wildlife corridor for both terrestrial and aquatic species. East Drainage Canal contains dispersal habitat for giant garter

[24] U.S. Fish and Wildlife Service. Critical Habitat Mapper. Available: http://fws.maps.arcgis.com/home/webmap/print.html. Accessed April 14, 2016.

[25] Beier and Loe (1992) A Checklist for Evaluating Impacts to Wildlife Movement Corridors. Wildlife Society Bulletin. 20: 434-440.

snake. Additionally, common wildlife (e.g., raccoon [*Procyon lotor*], coyote, black-tailed jackrabbit), may use the East Drainage Canal corridor as foraging and movement habitat.

Regulatory Setting

Federal Endangered Species Act

The FESA protects threatened and endangered plants and animals and their critical habitat. Candidate species are those proposed for listing; these species are usually treated by resource agencies as if they were actually listed during the environmental review process. Procedures for addressing impacts to federally listed species follow two principal pathways, both of which require consultation with the USFWS, which administers the FESA for all terrestrial species. The first pathway, Section 10(a) incidental take permit, applies to situations where a non-federal government entity must resolve potential adverse impacts to species under FESA. The second pathway, Section 7 consultation, applies to projects directly undertaken by a federal agency or private projects requiring a federal permit or approval.

Migratory Bird Treaty Act

The MBTA enacts the provisions of treaties between the United States, Great Britain, Mexico, Japan, and the Soviet Union and authorizes the U.S. Secretary of the Interior to protect and regulate the taking of migratory birds. It establishes seasons and bag limits for hunted species and protects migratory birds, their occupied nests, and their eggs.

California Endangered Species Act

Under the California Endangered Species Act (CESA), CDFW has the responsibility for maintaining a list of endangered and threatened species (Fish and Game Code [FGC] 2070). Sections 2050 through 2098 of the FGC outline the protection provided to California's rare, endangered, and threatened species. Section 2080 of the FGC prohibits the taking of plants and animals listed under the CESA. Section 2081 established an incidental take permit program for State-listed species. CDFW maintains a list of "candidate species" which are species that CDFW formally notices as being under review for addition to the list of endangered or threatened species.

Pursuant to the requirements of CESA, an agency reviewing a proposed project within its jurisdiction must determine whether any State listed endangered or threatened species may be present in the project study area and determine whether the proposed project will have a potentially significant impact on such species. In addition, CDFW encourages informal consultation on any proposed project that may impact a candidate species.

Project-related impacts to species on the CESA endangered or threatened list would be considered significant. State listed species are fully protected under the mandates of the CESA. "Take" of protected species incidental to otherwise lawful management activities may be authorized under FGC Section 206.591. Authorization from CDFW would be in the form of an Incidental Take Permit.

CDFW maintains a list of Species of Special Concern. Species of special concern include those whose declining population level, range, and/or because continuing threats have made the species

vulnerable to extinction. CEQA requires state agencies and local governments to disclose impacts to these species.

Certain species are considered fully protected, meaning that the code explicitly prohibits all take of individuals of these species except for take permitted for scientific research. Section 5050 lists fully protected amphibians and reptiles, Section 5515 lists fully protected fish, Section 3511 lists fully protected birds, and Section 4700 lists fully protected mammals.

Under Section 3503 of the FGC, it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Section 3503.5 of the code prohibits take, possession, or destruction of any birds in the orders Falconiformes (hawks) or Strigiformes (owls), or of their nests and eggs. Migratory non-game birds are protected under Section 3800, while other specified birds are protected under Section 3505.

City of Sacramento 2035 General Plan

The City of Sacramento 2035 General Plan includes policies for both identification and preservation of biological resources (Policies ER 2.1.1 through 2.1.17). and the urban forest (Policies 3.1.1 through 3.1.9). Specifically, these policies address issues ranging from identification, retention, preservation, and public awareness of habitat areas, including open space, riparian areas, wetlands, annual grasslands, oak woodlands, and wildlife corridors. Policies relating to the urban forest focus on managing and enhancing the City's tree canopy and trees of significance.

City of Sacramento Tree Ordinance

City Code 12.56[26] provides provisions to protect City street trees. All removal, trimming, pruning, cutting, or other maintenance activities on any City street tree requires a permit from the director of the department of transportation pursuant to City Code 12.56.070. A City street tree is defined as any tree growing on a public street right-of-way that is maintained by the City. The Director may require, where appropriate, the replacement of street trees proposed for removal. In such case, the City is responsible for the full cost of tree removal and replacement.

Natomas Basin Habitat Conservation Plan

Development within the Natomas Basin is subject to the Natomas Basin Habitat Conservation Plan (NBHCP). The NBHCP is administered by the Natomas Basin Conservancy for which multiple municipalities including the City of Sacramento are participating agencies along with regulatory agencies, including USFWS and CDFW. The NBHCP establishes a multi-species conservation program to minimize and mitigate the expected loss of habitat values and incidental take of covered species that could result from urban development, operation and maintenance of irrigation and drainage systems, and certain activities associated with the Natomas Basin Conservancy (TNBC) management of its system of reserves established under the NBHCP. The NBHCP applies to the 53,537-acre area interior to the toe of levees surrounding the Natomas

[26] City of Sacramento. Municipal Code Chapters 12.56, Trees Generally and Heritage Trees. Chapter 12.56 Tree Planting, Maintenance, and Conservation www.qcode.us/codes/sacramento. Accessed October 4, 2016. https://library.qcode.us/lib/sacramento_ca/pub/city_code/item/title_12-chapter_12_56

Basin with the exception of areas that were considered to be existing development when the NBHCP was established. Development within the covered areas of the NBHCP is subject to HCP fees and compliance with the requirements of the NBHCP. At the inception of the NBHCP, the project site was located within the 75-acre Coral Business Center PUD, which was included in areas considered to be "existing development" that is exempt from compliance with the NBHCP.[27] Therefore, the proposed project is exempt from the requirement to pay HCP fees and compliance with the NBHCP. However, the project remains subject to other regulations intended to protect special-status species including the Federal Endangered Species Act and California Endangered Species Act.

Discussion

a) ***Less than Significant with Mitigation Incorporated.*** Special-status species and their habitats may be affected indirectly through implementation of the proposed project. In addition, more common nesting raptors and migratory birds may also be affected by project implementation. Each of these potentially affected species is described below. These species are listed in **Table 10** and are discussed further below.

Special-Status Bird: Burrowing Owl (Athene cunicularia) and Common Nesting Birds

The project site and surrounding areas could support nesting birds, including, but not limited to, burrowing owl, raptors, and migratory birds. Additionally, special-status birds including Swainson's hawk have been documented within five miles of the project site. Burrowing owl is a state Species of Special Concern. Common nesting birds and raptors are protected under California Fish and Game Code Sections 3503, 3503.5, and 3800 (i.e., take, possession, or destruction of birds, their nests, or eggs), and Section 3513 of the MBTA (16 USC, Section 703 Supp. I 1989).

The proposed project would include the use of construction equipment to develop the site. Human disturbances from construction activities have the potential to cause nest abandonment and death of young or loss of reproductive success if nests are active near project activities. Nest site disturbance which results in nest abandonment, loss of young, or reduced health and vigor of eggs and/or nestlings (resulting in reduced survival rates), or the direct removal of vegetation that supports nesting birds, may result in the killing of nestlings or fledgling bird species, and would be a potentially significant impact. Potential significant impacts would be reduced to a **less-than-significant** level with the implementation of **Mitigation Measures BIO-1: Avoidance and Minimization Measures for Burrowing Owl and Mitigation Measures BIO-2: Avoidance and Minimization Measures for Nesting Birds.**

[27] City of Sacramento, Sutter County & Natomas Basin Conservancy, 2006. Final Natomas Basin Habitat Conservation Plan. Ch. 5 Land Use Issues. p. III-14 & Exhibit B. Available: http://www.natomasbasin.org/helpful-documents/2003-nbhcp-related-documents/. Accessed February 2, 2016.

Mitigation Measures BIO-1: Avoidance and Minimization Measures for Burrowing Owl.

Pre-construction surveys for burrowing owls shall be conducted by a qualified biologist (as approved by CDFW) within 30 days prior to the start of work activities at the project site. If construction activities are delayed for more than 30 days after the initial preconstruction survey, then a new preconstruction survey shall be conducted. All surveys shall be conducted in accordance with the Staff Report on Burrowing Owl Mitigation.[28]

If burrowing owls are discovered in the project site vicinity during construction, the CDFW-approved project biologist shall be notified immediately. Occupied burrows shall not be disturbed during the nesting season (February 1 through August 31) unless a qualified biologist approved by the CDFW verifies through non-invasive methods that either: (1) the birds have not begun egg-laying and incubation; or (2) that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

Occupied burrows during the nesting season shall be avoided by establishment of a no-work buffer of 250-feet around the occupied/active burrow. Where maintenance of a 250-foot no-work buffer zone is not practical, the City shall consult with the CDFW to determine appropriate avoidance measures. Burrows occupied during the breeding season (February 1 to August 31) while construction activities are occurring, will be closely monitored by the biologist until the young fledge/leave the nest. The onsite biologist shall have the authority to stop work if it is determined that construction related activities are disturbing the owls.

If approved by CDFW, the biologist may undertake passive relocation techniques by installing one-way doors in active and suitable burrows (that currently do not support eggs or juveniles). This would allow burrowing owls to escape but not reenter. Owls should be excluded from the immediate impact zone and within a 160-foot buffer zone by having one-way doors placed over the entrance to prevent owls from inhabiting those burrows.

Mitigation Measures BIO-2: Avoidance and Minimization Measures for Nesting Birds.

For any construction activities that will occur between February 1 and August 31, the applicant shall conduct pre-construction surveys in suitable nesting habitat within 500 feet of the projects site for nesting raptors and migratory birds. Surveys shall be conducted by a qualified biologist.

If an active nest is found during the survey, the applicant shall implement appropriate mitigation measures to ensure that the species will not be adversely affected, which will include establishing a no-work buffer zone around the active nest. Measures may include, but would not be limited to:

- Maintaining a 500 foot buffer around each active raptor nest. No construction activities shall be permitted within this buffer. For migratory birds, a no-work

[28] California Department of Fish and Game, 2012. Staff Report on Burrowing Owl Mitigation. State of California Natural Resources Agency Department of Fish and Game. March 7, 2012. Sacramento, CA.

buffer zone shall be established around the active nest. The no-work buffer may vary depending on species and site-specific conditions.

- Depending on conditions specific to each nest, and the relative location and rate of construction activities, it may be feasible for construction to occur as planned within the buffer without impacting the breeding effort. In this case (to be determined on an individual basis), the nest(s) shall be monitored by a qualified biologist during construction within the buffer. If, in the professional opinion of the monitor, the project would impact the nest, the biologist shall immediately inform the construction manager. The construction manager shall stop construction activities within the buffer until the nest is no longer active.

Special-Status Reptile Giant Garter Snake (Thamnophis gigas)

Giant garter snake is listed as threatened under FESA and CESA. Marginal aquatic habitat for giant garter snake is present in the East Drainage Canal near the project site, and poor upland habitat is present in the project site. The East Drainage Canal and project site may support transient giant garter snake on a temporary basis as the snakes disperse between areas of more desirable habitat. Mammal burrows, or soil cracks within the project site may support giant garter snake on short-term basis for aestivation, thermoregulation, or to meet other habitat needs. Development at the project site would not substantially degrade or reduce the habitat available for the giant garter snake, nor would it impede dispersal corridors. Because upland habitat for giant garter snake is poor within the project site and the project site is located approximately 700 feet from the canal, it is determined that any impact would be less than significant to giant garter snakes.

b) ***No Impact.*** The project site does not contain riparian vegetation or other sensitive natural communities; therefore, the project would not impact these communities.

c) ***No Impact.*** The project site does not contain protected wetlands; therefore, the project would not impact protected wetlands.

d) ***No Impact.*** Project construction would not create a barrier to, or substantially interfere with, wildlife movements through the study area. The project is located in an urban area and the small footprint of the project makes it unlikely to impinge on animal movements. There are no known wildlife movement corridors on or in the vicinity of the project site. Human traffic from construction may have a temporary impact on animals dispersing or moving through the project sites and staging areas, but this short-term impact would be less than significant, because wildlife movement impacts would be confined to work (daytime) hours, and the project's site are in the vicinity of suitable habitat that would still remain available for wildlife movement during the construction and operation of the project. Therefore, the project is not anticipated to interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites due to the small footprint of the project.

e) ***Less than Significant.*** The project would not conflict with any of the applicable guiding policies of the General Plan listed under local regulatory settings. Impact discussions a), above detail how incorporation of mitigation measures into the project would ensure that impacts to special-status species would be less than significant, with the implementation of mitigation measures in some circumstances.

f) ***No impact.*** The proposed project is within the planning area of the NBHCP but is located within the 75-acre Coral Business Center PUD, which is included in the list of existing development that is exempt from compliance with the NBHCP. Therefore, the proposed project does not conflict with the NBHCP and there would be no impact.

3.5 Cultural Resources

Issues (and Supporting Information Sources):		*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
V.	**CULTURAL RESOURCES —** Would the project:				
a)	Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☐	☒
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c)	Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

Environmental Setting

The project site is approximately 1.3 acres (54,859 square feet) and located at the northwest intersection corner of Gateway Park Boulevard and North Freeway Boulevard. The parcel is vacant, graded, partially landscaped, and partially paved.

To determine the cultural resources sensitivity of the project site, ESA completed a records search for the project at the North Coast Information Center (NCIC) of the California Historical Resources Information System on February 10, 2023 (File No. SAC-23-34). The purpose of the records search was to (1) determine whether known cultural resources have been recorded in the vicinity; (2) assess the likelihood for unrecorded cultural resources to be present based on historical references and the distribution of nearby sites; and (3) develop a context for the identification and preliminary evaluation of cultural resources. ESA also completed a surface survey of the project site. No cultural resources were identified during the survey.

Discussion

a) ***No Impact.*** A significant impact would occur if the project would cause a substantial adverse change to a historical resource, herein referring to historic-era architectural

resources or the built environment, including buildings, structures, and objects. A significant impact could occur if the project would cause a substantial adverse change to a historical resource through physical demolition, destruction, relocation, or alteration of the resource.

The NCIC records search indicates that there is one previously recorded historic-era cultural resource within the project site. Reclamation District 1000, also known as RD 1000 Rural Historic Landscape District (designated P-34-005251), is a district comprising an area of approximately 53,548 acres. RD 1000 was established in 1911 and encompasses more than 42 miles of water conveyance canals, roads, and levees constructed to control flooding in the Natomas Basin. Bradley and Corbett[29] recommended the entire RD 1000 eligible as a Rural Historic Landscape District under both the National Register of Historic Places and California Register Criterion A/1 for its association with the historic regional reclamation plan that physically, economically, and socially transformed the region. In 1994, the State Historic Preservation Officer (SHPO) concurred with this eligibility determination.

In 1997, Sacramento Area Flood Control Agency (SAFCA) completed an Historic American Engineering Record (HAER) for the RD 1000 Rural Historic Landscape District to satisfy the requirements of a Historic Properties Treatment Plan prepared for the U.S. Army Corps of Engineers (USACE). SAFCA required permits from the USACE for improvements to the levees in order to provide the Natomas area with well-above a 100-year flood protection. The USACE determined that the improved flood protection would contribute to an increase in development pressures within RD 1000 and that the resulting increase in development would have an adverse effect on the contributing elements of the District. The HAER was completed as part of a Memorandum of Agreement between SAFCA, USACE, and the SHPO. The district includes 26 contributing elements to the RD 1000 Rural Historic Landscape District; however, none of the contributing elements are recorded within the project site.

RD 1000 remains active in reclamation activities in contemporary times, and while it has served an important role in shaping the American River Basin landscape as well as agricultural and land use history, substantial and continuous development of lands within the District's jurisdiction have resulted in delisting of RD 1000 from the National Register of Historic Places due to degradation of integrity. No additional consideration of this resource is necessary for the proposed project.[30]

The project site is a parking lot set between landscaped areas, without any buildings or structures present that could be considered historical resources, as defined by CEQA

[29] Bradley, Denise and Michael Corbett, Final Rural Historic Landscape Report for Reclamation for the Cultural Resources Inventory and Evaluations for the American River Watershed Investigations, Sacramento and Sutter Counties, California. Dames & Moore, Inc., January 1996. Report on file at the NCIC. Report No. 11138, 1995.

[30] State Historic Preservation Officer (SHPO) of the California Dept. of Parks and Recreation, Consultation regarding Continuing Section 106 Consultation for the American River Common Features Project, Historic Levee Evaluation and Evaluation Framework, 2021.

section 15064.5. As there are no historical resources on the project site, the project would have no impact on historical resources.

b) ***Less than Significant with Mitigation Incorporated.*** Archaeological resources can be considered historical resources, according to CEQA Guidelines section 15064.5, as well as unique archaeological resources, as defined in PRC section 21083.2(g). A significant impact could occur if the project would cause a substantial adverse change to an archaeological resource through physical demolition, destruction, relocation, or alteration of the resource.

The NCIC records search indicates that there are no previously recorded pre-contact Native American cultural resources on the project site or within a 0.5-mile radius of the project site. No cultural resources were identified during an archaeological surface survey of the project site in March 2016.[31] No historic-era or pre-contact archaeological resources were observed during the survey.

Based on the results of the survey, paucity of nearby archaeological sites, previous disturbance, and the environmental context, the project has a low potential to impact archaeological resources. Despite the low potential, the discovery of archaeological materials during ground-disturbing activities cannot be entirely discounted. The inadvertent discovery of cultural materials during project implementation could be a potentially significant impact. This impact would be reduced to a less-than-significant level with implementation of **Mitigation Measure CUL-1**, which requires avoidance measures or the appropriate treatment of archaeological resources if discovered during project implementation.

Mitigation Measure CUL-1: Treatment of Archaeological Resources

If pre-contact or historic-era cultural resources or paleontological resources are encountered during project implementation, construction activities within 100 feet shall halt and a qualified archaeologist, defined as an archaeologist meeting the U.S. Secretary of the Interior's Professional Qualification Standards for Archeology, shall inspect the find within 24 hours of discovery and notify the City of Sacramento of their initial assessment. Pre-contact cultural materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or toolmaking debris; culturally darkened soil ("midden") containing heat-affected rocks, artifacts, or shellfish remains; and stone milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered stone tools, such as hammerstones and pitted stones. Historic-era materials might include building or structure footings and walls, and deposits of metal, glass, and/or ceramic refuse.

If the City determines, based on recommendations from a qualified archaeologist and a Native American representative (if the resource is pre-contact), that the resource may qualify as a historical resource or unique archaeological resource (as defined in CEQA Guidelines Section 15064.5) or a tribal cultural resource (as defined in PRC Section 21080.3), the resource shall be avoided if feasible. Consistent with Section

[31] Hoffman, Robin. *Natomas Fountains Project, City of Sacramento, Sacramento County, California, Cultural Resources Inventory Report.* Environmental Science Associates, July 2016.

15126.4(b)(3), this may be accomplished through planning construction to avoid the resource; incorporating the resource within open space; capping and covering the resource; or deeding the site into a permanent conservation easement.

If avoidance is not feasible, the City shall consult with appropriate Native American tribes (if the resource is pre-contact), and other appropriate interested parties to determine treatment measures to avoid, minimize, or mitigate any potential impacts to the resource pursuant to PRC Section 21083.2, and CEQA Guidelines Section 15126.4. This shall include documentation of the resource and may include data recovery (according to PRC Section 21083.2), if deemed appropriate, or other actions such as treating the resource with culturally appropriate dignity and protecting the cultural character and integrity of the resource (according to PRC Section 21084.3).

c) ***Less than Significant with Mitigation Incorporated.*** There is no indication from survey and archival research that any part of the project site has been used for human burial purposes in the recent or distant past. Therefore, it is unlikely that human remains would be encountered during construction of the project. Despite the low potential, the possibility of inadvertent discovery cannot be entirely discounted and would result in a potentially significant impact. This impact would be reduced to a less-than-significant level with implementation of **Mitigation Measure CUL-2**, which requires avoidance measures, or the appropriate treatment of human remains if accidentally discovered during project construction.

Mitigation Measure CUL-2

If an inadvertent discovery of human remains is made at any time during project-related construction activities of project planning, the following performance standards shall be met prior to implementing or continuing actions such as construction, which may result in damage to or destruction of human remains. In accordance with the California Health and Safety Code (HSC), if human remains are encountered during ground-disturbing activities, the City shall immediately halt potentially damaging excavation in the area of the remains and notify the Sacramento County Coroner and a professional archaeologist to determine the nature of the remains within 48 hours of receiving notice of a discovery on private of State lands (HSC Section 7050.5[b]).

If the human remains are of historic age and are determined to be not of Native American origin, the City will follow the provisions of the HSC Section 7000 (et seq.) regarding the disinterment and removal of non-Native American human remains.

If the Coroner determines that the remains are those of a Native American, he or she must contact the Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (HSC Section 7050[c]). After the Coroner's findings have been made, the archaeologist and the NAHC-designated Most Likely Descendant (MLD), in consultation with the landowner, shall determine the ultimate treatment and disposition of the remains. The responsibilities of the City for acting upon notification of a discovery of Native American human remains are identified in California PRC Section 5097.9 et seq.

With implementation of the project-specific mitigation measures, the proposed project would not result in any impacts to historic resources and would have a less-than-significant impact on potential archaeological resources and the potential to discover human remains. All potential significant environmental effects of the project relating to cultural resources can be mitigated to a less-than-significant level.

3.6 Energy

Issues (and Supporting Information Sources):		*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
VI.	**ENERGY —** Would the project:				
a)	Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b)	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Environmental Setting

The Sacramento Municipal Utility District (SMUD) distributes electricity to most of Sacramento County. SMUD generates power through hydroelectric, natural gas, wind, and solar. The 2021 power content mix for SMUD general mix included 33.6 percent renewables (i.e., geothermal, solar, wind, eligible hydroelectric, biomass, and biowaste); 9.2 percent large hydroelectric; 3 percent coal, 9.3 percent nuclear, and 37.9 percent natural gas, with other miscellaneous sources making up the remaining seven percent.[32] According to the California Energy Commission (CEC), approximately 11,218 million kWh of electricity were consumed in 2021, with approximately 6,168 million kWh consumed by nonresidential uses in Sacramento County. [33]

Non-electric passenger cars and small trucks are fueled primarily by regular unleaded gasoline. Large trucks and heavy construction equipment primarily use diesel fuel. Both are used widely in Sacramento County and across all parts of the SMUD service territory. The CEC estimates that approximately 557 million gallons of gasoline and 45 million gallons of diesel were sold in Sacramento County in 2021. [34]

[32] Sacramento Municipal Utility District (SMUD), 2021. 2021 Power Content Label. Available: https://www.smud.org/SMUDPCL. Accessed February 2023.

[33] California Energy Commission (CEC), 2023a. California Energy Consumption Database. Available: https://ecdms.energy.ca.gov/. Accessed February 2023.

[34] California Energy Commission (CEC), 2023b. 2021 California Annual Retail Fuel Outlet Report Results (CEC-A15). Available: https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting. Accessed February 2023.

Discussion

a) ***Less than Significant.*** Construction of the project would involve both direct and indirect uses of energy, primarily in the form of fuel. The consumption of fuel would be temporary and would cease upon the completion of the project. The volume of diesel and gasoline fuels that would be consumed during construction were calculated based on the estimated greenhouse gas emissions for the project and the gasoline and diesel CO_2 emission factors from The Climate Registry.[35] Project construction is estimated to consume a total of approximately 133 gallons of gasoline and 8,374 gallons of diesel fuel during the construction period. Fuel use during construction would represent approximately less than 1 percent of gasoline and 0.02 percent of diesel sold in in Sacramento County in 2021. Overall, the fuel use during construction would be minimal in comparison to the overall fuel use within Sacramento County.

Construction activities of the project would comply with state and local regulations, such as 13 CCR Sections 2485 and 2449 that require equipment and commercial vehicle operators to limit idling to no more than five minutes. Compliance with the state's regulation for in-use off-road diesel vehicles would ensure that fuel energy consumed in the construction phase would not be wasted through unnecessary idling. In addition, all vehicles used during construction and operation would be required to comply with CAFÉ standards.

Energy used during the operation of the project would include the use of electricity to power the car wash operations, on-site lighting, and space and water heating. The project is estimated to demand 152,342 kWh of electricity per year. The project would use a nominal amount of electricity compared when compared to what was consumed in Sacramento County in 2021. Based on these considerations, construction and operation of the project would not result in wasteful or inefficient use of electricity and the impact would be less than significant.

b) ***No Impact.*** Construction of the project would temporarily increase energy use. Construction activities would comply with state and local requirements designed to minimize idling and associated emissions, which would also minimize the use of fuel. Fuel use for project construction would be consistent with typical construction and manufacturing practices, and energy standards such as the Energy Policy Acts of 1975 and 2005, which promote strategic planning and building standards that reduce consumption of fossil fuels, increase use of renewable resources, and enhance energy efficiency.

Once operational, a minimal amount of electricity would be used as discussed above. Electricity to the project site would be provided by SMUD, which is subjected to the requirements of SB 100 and the Renewables Portfolio Standard (RPS) program. RPS requires California utilities to provide 60 percent renewable power by 2030 and 100

[35] The Climate Registry (TCR), 2022. 2022 Default Emission Factors. Available: https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf. Accessed February 2023.

percent renewable, carbon-free power by 2045 with the goal of increasing the percentage of renewable energy in the state's electricity mix and to ultimately reach the carbon neutrality goal by 2045. The project would not result in a permanent increase in the use of nonrenewable energy resources, and thus, would not conflict with the RPS.

Furthermore, vehicles used by construction workers and operation and maintenance workers travelling to and from the project area would be required to comply with the Corporate Average Fuel Economy (CAFÉ) standards, which reduce energy consumption by increasing the fuel economy of cars and light trucks. The project would be required to meet existing, applicable regulations such as the energy standards of CALGreen and the California Energy Code to increase energy efficiency and reduce energy demand at the time of building permit issuance. Therefore, neither construction nor operation of the project would conflict with renewable energy plans or energy efficiency plans applicable to the project and the impact would be less than significant.

3.7 Geology and Soils

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
VII. GEOLOGY AND SOILS — Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

Environmental Setting

The proposed project site is located within the Sacramento Valley, and lies centrally in the Great Valley geomorphic province, a relatively flat alluvial plan composed of a deep sequence of sediments in a bedrock trough. The Sacramento Valley forms the northern third of the Great Valley, which fills a northwest-trending structural depression bounded on the west by the Great Valley Fault Zone and the northern Coast Range and to the east by the northern Sierra Nevada and the Foothills Fault Zone. Most of the surface of the Great Valley is covered with Holocene and Pleistocene-age alluvium, primarily composed of sediments from the Sierra Nevada and the Coast Ranges, which were carried by water and deposited on the valley floor. Siltstone, claystone, and sandstone are the primary types of sedimentary deposits. Older Tertiary Cenozoic deposits underlie the Quaternary alluvium.

Within the City of Sacramento and the Sacramento region, there are no known active faults. The greatest earthquake threat to the City comes from earthquakes along Northern California's major faults, which are the San Andreas, Calaveras, and Hayward faults, but Sacramento's seismic ground-shaking hazard is low.

Discussion

a)

i ***Less than Significant***. The proposed project site is not located in an Earthquake Fault Zone (EFZ) as delineated by the Earthquake Zones of Required Investigation Map (EZRIM) published by the California Geological Survey (CGS) as required by the Alquist-Priolo Earthquake Fault Zoning Act.[36] The City of Sacramento is not located within an Alquist-Priolo Earthquake Fault Zone of in the immediate vicinity of an active fault.

ii ***Less than Significant.*** The City of Sacramento requires implementation of the Uniform Building Code (UBC). The UBC specifies development regulations which assure that adverse impacts resulting from seismic ground shaking would be less than significant. The proposed project would be constructed in compliance with all applicable development and engineering standards including current UBC and CBC standards. Chapter 16 of the CBC provides more detailed specifications for earthquake structural design requirements than the federal code, including the requirement that the design of foundation and excavation-wall supports must reduce

[36] California Geological Survey, 2023. Earthquake Zones of Required Investigation. Available online: https://maps.conservation.ca.gov/cgs/EQZApp/app/. Accessed January 23, 2023.

the exposure to potentially damaging seismic vibrations through seismic-resistant design (Section A33 – Excavation and Grading).

iii ***Less than Significant.*** As mapped on the EZRIM, the project site is not located in a liquefaction zone. Due to the site's flat terrain and large distances from known faults and bodies of water, liquefaction impacts are anticipated to be low. Additionally, all developments in the City of Sacramento are required to conform to the Seismic Zone 3 soil and foundation support parameters in Chapters 16 and 18 of the Building Code and the grading requirements in Chapters 18, 33, and the appendix to Chapter 33 of the Building Code. The UBC specifies minimum standards to ensure less-than-significant impacts from structural damage resulting from liquefaction due to the occurrence of maximum credible earthquakes. Adherence to these requirements for structural work and grading would mitigate potential impacts of the proposed project resulting from liquefaction hazards to less-than-significant levels.

iv ***No Impact.*** The project site is located in a relatively flat terrain and is devoid of any geologic features that would have potential for landslides. The EZRIM indicates the project site is not within an earthquake-induced landslide zone. Therefore, there would be no impact.

b) ***Less than Significant.*** Proposed project construction activities would involve excavating, filling, moving, grading, and temporarily stockpiling soils onsite, which could expose site soils to erosion from wind and surface water runoff. The City has adopted standard measures to control erosion and sediment during construction and all projects in the City are required to comply with the City's standards set forth in the "Administrative and Technical Procedures Manual for Grading and Erosion and Sediment Control."[37] The project would also be required to comply with the Sacramento City Code Title 15 Chapter 15.88, which requires the preparation of an Erosion and Sediment Control Plan by a qualified geotechnical engineer with oversight of the installation and implementation of erosion and sediment control measures during grading and construction. The Erosion and Sediment Control Plan would include standards and specifications to ensure that soil erosion potential would be minimized. Because the proposed project would be required to comply with federal, state, and local construction standards, the potential for substantial soil erosion or the loss of topsoil would be less than significant.

c) ***Less than Significant.*** Landslides are not considered a substantial threat in the project area, given the City of Sacramento's generally flat topography. The project site is underlain by silt loam soils, which have a low potential for subsidence.[38] Additionally, under 2035 General Plan Policy EC 1.1.2, the City of Sacramento requires that geotechnical investigations of sites be completed before construction permits are issued to determine the potential for expansive soils and subsidence at project sites. These

[37] City of Sacramento, 2013. Administrative and Technical Procedures Manual for Grading and Erosion and Sediment Control. Available online: https://www.cityofsacramento.org/-/media/Corporate/Files/DOU/Specs-Drawings/Sediment-control-manual.pdf?la=en. Accessed January 25, 2023.

[38] Natural Resources Conservation Service, 2023. Web Soil Survey. Available online: https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx. Accessed January 25, 2023.

evaluations must be completed by registered soil professionals, and, where applicable, design and construction measures to eliminate inappropriate soil conditions must be developed and applied. For this reason, impacts related to unstable geological units and expansive soils would be less than significant with adherence to existing City policies.

d) ***Less than Significant.*** According to the Sacramento 2035 General Plan Master EIR, erosion hazards throughout the City do not represent substantial hazards to people or property, and the potential for soil expansion and/or subsidence would be minimized through adherence to the UBC.[39] Therefore, the proposed project would not create substantial direct or indirect risks to life or property as a result of location on expansive soil, and the impact would be less than significant.

e) ***No Impact.*** The proposed project would not use septic tanks. Therefore, there would be no impact.

f) ***Less than Significant with Mitigation Incorporated.*** The project site, as well as the City of Sacramento and surrounding areas, are not considered sensitive for paleontological resources. Further, the project site is not located on fossil-bearing soils or rock formations below the ground surface and the potential for paleontological resources is very low. However, ground-disturbing activities, particularly grading, may reveal paleontological resources not previously identified. Should any paleontological resources be discovered during project construction, implementation of **Mitigation Measure GEO-1** would reduce potential impacts to paleontological resources to less than significant.

Mitigation Measure GEO-1

Implement Mitigation Measure CUL-1.

3.8 Greenhouse Gas Emissions

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

[39] City of Sacramento, 2015. Master Environmental Impact Report for the City of Sacramento 2035 General Plan Update. Adopted March 3, 2015. P. 4.5-1.

Environmental Setting

Certain gases in the Earth's atmosphere, classified as greenhouse gases (GHGs), play a critical role in determining the earth's surface temperature. A portion of the solar radiation that enters Earth's atmosphere is absorbed by the earth's surface, and a smaller portion of this radiation is reflected back toward space. Infrared radiation (i.e., thermal heat) is absorbed by GHGs; as a result, infrared radiation released from the earth that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the "greenhouse effect," is responsible for maintaining a habitable climate on Earth.

Global warming is the name given to the increase in the average temperature of Earth's near-surface air and oceans since the mid-20th century. Increases in the GHG concentrations in Earth's atmosphere are thought to be the main cause of human-induced climate change. As discussed above, some GHGs occur naturally and are necessary for keeping Earth's surface habitable. However, increases in the concentrations of these gases in the atmosphere during the last 100 years have decreased the amount of solar radiation that is reflected back into space, intensifying the natural greenhouse effect and resulting in the increase of global average temperature. GHG emissions from human activities are highly likely to be responsible for intensifying the greenhouse effect and have led to a trend of unnatural warming of the earth's atmosphere and oceans, with corresponding effects on global circulation patterns and climate.[40]

The principal anthropogenic (human-caused) GHGs are carbon dioxide (CO_2), methane, nitrous oxide, sulfur hexafluoride, perfluorocarbons, and hydrofluorocarbons. Each of the principal GHGs has a long atmospheric lifetime (1 year to several thousand years). In addition, the potential heat-trapping ability of each of these gases varies substantially from the others. For example, methane is 25 times as potent as CO_2, whereas sulfur hexafluoride is 22,800 times more potent than CO_2. GHGs have been reported as CO_2 equivalents (CO_2e). This approach takes into account the relative potency of non-CO_2 GHGs to convert their quantities to an equivalent amount of CO_2 so that all emissions can be reported as a single quantity.

The primary human-made processes that release these gases are the burning of fossil fuels for transportation, heating, and electricity generation; agricultural practices that release methane, such as livestock grazing and crop residue decomposition; and industrial processes that release smaller amounts of high global warming potential gases, such as sulfur hexafluoride, perfluorocarbons, and hydrofluorocarbons. Deforestation and land cover conversion also have been identified as contributing to global warming by reducing Earth's capacity to remove CO_2 from the air and altering Earth's albedo (or surface reflectance), allowing more solar radiation to be absorbed.

Discussion

a) ***Less than Significant.*** In 2020, the Sacramento Metropolitan Air Quality Management District (SMAQMD) updated its guidance to assess project impacts with respect to the

40 Intergovernmental Panel on Climate Change, 2013. *Climate Change 2013 – The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013. Available: https://www.ipcc.ch/report/ar5/wg1/.

State's 2030 GHG reduction goals.[41] The updated guidance provides recommended thresholds, including required Best Management Practices (BMPs) for operational emissions, for agencies without adopted GHG reduction plans (climate action plans) or their own adopted thresholds and for projects that are inconsistent with an agency's adopted GHG reduction plan. SMAQMD recommends a quantitative threshold of 1,100 metric tons of CO_2e per year to assess GHG emissions from the construction phase of all project types.[42] SMAQMD requires a project's operational GHG impact to be compared to an annual operational threshold of 1,100 metric tons of CO_2e per year with the appropriate level of implementation of BMPs.

Construction

Construction of the proposed project is assumed in this study to begin in January 2024 and be completed over a period of approximately 6 months. Construction-related GHG emissions would be generated from a variety of sources including operation of construction equipment and haul truck and construction worker vehicle trips. As with the air quality analysis, GHG emissions from construction equipment and vehicle trips were estimated using the most recent version of CalEEMod (2022.1) using project-specific inputs when available, supplemented by CalEEMod default values when project-specific data was not available.

Annual construction emissions associated with the project are presented in **Table 11**. As shown in Table 11, project construction emissions would not exceed the SMAQMD's significance threshold of 1,100 metric tons CO_2e per year, and the associated short-term construction emissions impact would be less than significant.

TABLE 11
PROJECT CONSTRUCTION GREENHOUSE GAS EMISSIONS

Construction Year	CO_2e (MT/year)
2024	86.3
Total Construction GHG Emissions	86.3
Construction Emissions Significance Threshold	1,100
Exceeds Threshold?	**No**

NOTES:
Project construction emissions were estimated using CalEEMod version 2022.1. See Appendix A for model outputs and more detailed assumptions.

CO_2e = carbon dioxide equivalent, MT = metric tons

SOURCE: ESA, 2023.

41 Sacramento Metropolitan Air Quality Management District, 2020. *CEQA Guide - SMAQMD Thresholds of Significance Table*, adopted December 2009, revised November 2014, May 2015, April 2020. Available: http://www.airquality.org/LandUseTransportation/Documents/CH2ThresholdsTable4-2020.pdf.

42 Sacramento Metropolitan Air Quality Management District, 2020. *CEQA Guide - SMAQMD Thresholds of Significance Table*, adopted December 2009, revised November 2014, May 2015, April 2020. Available: http://www.airquality.org/LandUseTransportation/Documents/CH2ThresholdsTable4-2020.pdf.

Operation

Over the long-term, the proposed project would result in an increase in direct GHG emissions primarily due to motor vehicle trips and onsite area sources (e.g., landscape maintenance, use of consumer products such as cleaning products). The project is proposed as an all-electric development with no natural gas infrastructure. Therefore, there would be no direct GHG emissions from energy use on-site. Indirect GHG emissions would be generated from the generation of electricity to power the project.

For the operational phase, SMAQMD requires projects to demonstrate consistency with CARB's most recent Climate Change Scoping Plan (2017 Scoping Plan Update) by implementing the following BMPs, as applicable, or equivalent on-site or off-site mitigation.[43]

All projects are required to implement Tier 1 BMPs (BMP 1 & 2) which include:

- BMP 1: Projects shall be designed and constructed without natural gas infrastructure.
- BMP 2: Projects shall meet the current CALGreen Tier 2 standards, except all "Electric Vehicle (EV) Capable"[44] spaces shall instead be "EV Ready."[45]

Projects that exceed 1,100 metric tons of CO_2e per year after implementation of Tier 1 BMPs must implement Tier 2 BMPs (BMP 3):

- BMP 3: Residential projects shall achieve a 15 percent reduction in vehicle miles traveled per resident and office projects shall achieve a 15 percent reduction in vehicle miles traveled per worker compared to existing average vehicle miles traveled for the county, and retail projects shall achieve a no net increase in total vehicle miles traveled to show consistency with SB 743.

Project Consistency with BMP 1: As described in the Project Description, the project is proposed as an all-electric development and natural gas service would not be provided to the project's structures.

Project Consistency with BMP 2: BMP 2 requires projects to meet the current CALGreen Tier 2 standards, except all EV Capable spaces shall instead be EV Ready. Tier 2 requirements of the 2022 California Green Building Standards Code ("CALGreen", Title 24, Part 11) that went into effect on January 1, 2023 require nonresidential uses with 10 to 25 parking spaces to provide:

43 Sacramento Metropolitan Air Quality Management District, 2020. *CEQA Guide - SMAQMD Thresholds of Significance Table*, adopted December 2009, revised November 2014, May 2015, April 2020. Available: http://www.airquality.org/LandUseTransportation/Documents/CH2ThresholdsTable4-2020.pdf.

44 "EV Capable" parking spaces have electrical panel capacity, a dedicated branch circuit and a listed raceway to the EV parking spot to accommodate a dedicated 208/40-volt branch circuit to support future installation of charging stations.

45 "EV Ready" parking spaces have installed electrical panel capacity and raceway with conduit that terminate in a junction box or 240-Volt charging outlet.

- Eight parking spaces that are "EV capable" supporting future installation of Level 2 Electric Vehicle Supply Equipment[46] (EVSE or EV chargers).

- Three of the eight "EV capable" parking spaces are to be equipped with EVSE or EV chargers.

SMAQMD BMP 2 requires all eight spaces to be "EV Ready", equipped with Level 2 charging receptacles. As detailed in the Project Description, the project will provide 18 parking spaces of which four spaces equipped with EVSE. Therefore, while the project would satisfy the second requirement for EVSE equipped spaces, it does not provide for adequate "EV Ready" spaces consistent with SMAQMD BMP 2. Therefore, BMP 2 would not be fully satisfied.

Implementation of **Mitigation Measure GHG-1** would require the project to provide four additional "EV capable" spaces to meet Tier 2 CALGreen and SMAQMD BMP 2 requirements. Therefore, with implementation of Mitigation Measure GHG-1, the project would fully comply with both Tier 1 BMPs. Such Tier 1 BMPs require that projects be designed and constructed without natural gas infrastructure (BMP 1) and that projects meet the current CALGreen Tier 2 standards, except all "Electric Vehicle (EV) Capable" spaces be installed be "EV Ready." As shown in **Table 12** below, the project's operational emissions would not exceed 1,100 metric tons of CO_2e per year after implementation of Tier 1 BMPs. Therefore, the proposed project would not be required to implement Tier 2 BMPs (BMP 3) and would be considered to result in a less-than-significant operational impact with mitigation.

[46] EVSE includes the 208/240 V 40-ampere branch circuit, and the EV charging connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises and the electric vehicle.

TABLE 12
PROJECT OPERATIONAL GREENHOUSE GAS EMISSIONS

Source	CO_2e (MT/year)
Area	<0.1
Electricity Use	30.7
Mobile	562
Waste	3.5
Water	0.5
Total Annual Operational GHG Emissions	**596.8**
Operational Emissions Significance Threshold	1,100
Exceeds Operational Threshold?	**No**

NOTES:
Project construction emissions were estimated using CalEEMod version 2022.1. See Appendix A for model outputs and more detailed assumptions.
CO_2e = carbon dioxide equivalent, MT = metric tons

SOURCE: ESA, 2023.

Overall, project construction and operation would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. This would be a less-than-significant impact.

Mitigation Measure GHG-1: Consistency with 2022 CALGreen Tier 2 standards for EV charging.

The project shall implement Tier 1 BMPs (BMP 1 & 2) which include:

- BMP 1: Projects shall be designed and constructed without natural gas infrastructure.
- BMP 2: Projects shall meet the current CALGreen Tier 2 standards, except all "Electric Vehicle (EV) Capable"[47] spaces shall instead be "EV Ready."[48]

To comply with BMP 2, the project shall provide EV charging infrastructure consistent with CALGreen Tier 2 requirements including "EV capable" spaces, or as directed by the SMAQMD.

b) ***Less than Significant.*** CEQA Guidelines section 15183.5 allows for public agencies to analyze and mitigate GHG emissions as part of a larger plan for the reduction of GHGs and describes the required contents of such a plan. As described below, the project would be consistent with the following plans and regulations adopted to reduce GHG emissions within the City of Sacramento and the State of California:

47 "EV Capable" parking spaces have electrical panel capacity, a dedicated branch circuit and a listed raceway to the EV parking spot to accommodate a dedicated 208/40-volt branch circuit to support future installation of charging stations.

48 "EV Ready" parking spaces have installed electrical panel capacity and raceway with conduit that terminate in a junction box or 240-Volt charging outlet.

- CARB 2017 Scoping Plan Update;[49]
- The policies and programs as presented in Appendix B of the 2035 General Plan and Climate Action Plan;[50] and
- The Mayors' Commission on Climate Change's Achieving Carbon Zero in Sacramento and West Sacramento by 2045 Final Report.[51]

Consistency with 2017 Scoping Plan Update

The 2017 Scoping Plan Update establishes the framework for achieving the 2030 statewide GHG reduction target of 40 percent below 1990 levels. The plan update details local actions that land use development projects and municipalities can implement to support the statewide goal. For project-level CEQA analyses, the 2017 Scoping Plan Update states that projects should implement feasible mitigation, preferably measures that can be implemented onsite. Many of the project features align with these actions and would contribute to direct and indirect reduction of GHG emissions.

The Scoping Plan Update incorporates a broad array of regulations, policies, and state plans designed to reduce GHG emissions. Those that are applicable to the construction and operation of the proposed project are listed in **Table 13**. As shown below, the proposed project would implement sustainability features and incorporate characteristics to reduce energy use, conserve water, reduce waste generation, and reduce vehicle travel consistent with statewide strategies and regulations. As a result, the proposed project would not conflict with applicable Climate Change Scoping Plan strategies and regulations to reduce GHG emissions.

49 California Air Resources Board, 2017. *California's 2017 Climate Change Scoping Plan*, November 2017. Available: https://ww2.arb.ca.gov/sites/default/files/classic//cc/scopingplan/scoping_plan_2017.pdf?utm_medium=email&utm_source=govdelivery.

50 City of Sacramento, 2015. *City of Sacramento 2035 General Plan*, adopted March 3, 2015. Available: https://www.cityofsacramento.org/Community-Development/Resources/Online-Library/2035--General-Plan.

51 Mayors' Commission on Climate Change, 2020. *Achieving carbon Zero in Sacramento and West Sacramento by 2045 – Final Report*, June 2020. Available: https://www.lgc.org/wordpress/wp-content/uploads/2020/06/Mayors-Commission-on-Climate-Change-Final-Report.pdf.

TABLE 13
CONSISTENCY WITH APPLICABLE GREENHOUSE GAS REDUCTION ACTIONS IN 2017 SCOPING PLAN UPDATE

Sector / Source	Category / Description	Consistency Analysis
Energy and Water		
California Renewables Portfolio Standard (RPS)	SB 100 requires that the proportion of electricity from renewable sources be 60 percent renewable power by 2030 and 100 percent renewable power by 2045.	**Consistent.** The proposed project's electricity will be provided by SMUD. SMUD is required to comply with SB 100 and the RPS.
California Renewables Portfolio Standard and SB 350	SB 350 requires that the proportion of electricity from renewable sources be 50 percent renewable power by 2030 (superseded by SB 100). It also requires the state to double the energy efficiency savings in electricity and natural gas final end uses of retail customers through energy efficiency and conservation.	**Consistent.** The proposed project's electricity will be provided through SMUD. SMUD is required to comply with both the RPS and SB 350 and will meet these standards.
California Building Efficiency Standards (CCR, Title 24, Part 6)	Energy Efficiency Standards for Residential and Nonresidential Buildings.	**Consistent.** Project buildings would be designed to comply with the applicable Title 24 Building Energy Efficiency Standards.
California Green Building Standards Code (CCR, Title 24, Part 11 - CALGreen)	California's Green Building Standards (CALGreen) Code includes energy and water efficiency requirements, as well as waste management and other design regulations that apply to residential buildings.	**Consistent.** Buildings constructed within the project site would comply with mandatory CALGreen measures.
Senate Bill X7-7	The Water Conservation Act of 2009 sets an overall goal of reducing per capita urban water use by 20 percent by December 31, 2020. Each urban retail water supplier shall develop water use targets to meet this goal.	**Consistent.** Water delivered to the project site would be supplied by the City of Sacramento Department of Utilities, which is required to comply with SB X7-7 and would meet these standards.
Mobile Sources		
Advanced Clean Cars Program (ACC) and Mobile Source Strategy (MSS)	In 2012, CARB adopted the Advanced Clean Cars (ACC) program to reduce criteria pollutants and GHG emissions for model year vehicles 2015 through 2025. ACC includes the that reduce criteria pollutants and GHG emissions from light- and medium-duty vehicles, and the Zero-Emission Vehicle (ZEV) regulation, which requires manufacturers to produce an increasing number of pure ZEVs (meaning battery electric and fuel cell electric vehicles), with provisions to also produce plug-in hybrid electric vehicles (PHEV) in the 2018 through 2025 model years. The Mobile Source Strategy (2106) calls for 1.5 million ZEVs (including plug-in hybrid electric, battery-electric, and hydrogen fuel cell vehicles) on the road by 2025, and 4.2 million ZEVs by 2030.	**Consistent.** The standards would apply to all vehicles used by workers traveling to and from the project site. As discussed under checklist Question a) above, the project would provide EV charging infrastructure in excess of the mandatory requirements of the 2022 CALGreen Building Standards Code for EV Capable and EV Ready spaces. Implementation of Mitigation Measure GHG-1 would provide EVSE consistent with Tier 2 2022 CALGreen standards. The availability of EV charging infrastructure in excess of mandatory requirements would encourage use of EVs.

TABLE 13
CONSISTENCY WITH APPLICABLE GREENHOUSE GAS REDUCTION ACTIONS IN 2017 SCOPING PLAN UPDATE

Sector / Source	Category / Description	Consistency Analysis
SB 375 and the SACOG MTP/SCS	SB 375 establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions. Under SB 375, CARB is required, in consultation with the state's Metropolitan Planning Organizations, to set regional GHG reduction targets for the passenger vehicle and light-duty truck sector 2035. SACOG's MTP/SCS calls for GHG reductions from passenger vehicles and light-duty trucks of 19 percent below 2005 levels by 2035.	**Consistent.** The proposed project would be consistent with SACOG MTP/SCS goals and objectives under SB 375 to implement "smart growth." The proposed project would consist of a gas station, convenience store, and car wash development in a compact land-use pattern in proximity to off-site employment opportunities in the City of Sacramento. The proposed project is consistent with the smart growth land use pattern discussed in the MTP/SCS, and would therefore be conducive to meeting the SB 375 GHG reduction goal.
Solid Waste		
California Integrated Waste Management Act (IWMA) of 1989 and Assembly Bill (AB) 341	The IWMA mandated that state agencies develop and implement an integrated waste management plan which outlines the steps to be taken to divert at least 50 percent of their solid waste from disposal facilities. AB 341 directs CalRecycle to develop and adopt regulations for mandatory commercial recycling and sets a statewide goal for 75 percent disposal reduction by the year 2020.	**Consistent.** The proposed project would be served by a solid waste collection and recycling services from the City of Sacramento that includes weekly garbage and yard waste collection and recycling collection every other week. This yields waste diversion results comparable to source separation and consistent with Citywide recycling targets. The City of Sacramento has a goal to achieve 75 percent waste diversion by 2020 and zero waste to landfills by 2040.

SOURCE: ESA 2023.

Consistency with the City of Sacramento 2035 General Plan and Climate Action Plan

The City of Sacramento first adopted a Climate Action Plan in 2012 to reduce GHG emissions and adapt to climate change. In 2015 the CAP was incorporated into the 2035 General Plan.[52] The Sacramento CAP includes emission reduction targets, strategies, and specific actions for addressing climate change within the community and established a goal of reducing GHG emissions 15 percent below 2005 levels by 2020. The City of Sacramento met this 2020 climate goal in 2016. Between 2005 and 2016, community wide emissions decreased by over 19 percent and per capita emissions decreased by over 26 percent demonstrating that even though the City has grown substantially since 2005, emissions have decreased at a more rapid rate. The City is currently working on an updated CAP to help the community reach even more aggressive climate targets in line with State goals, including carbon neutrality (0 MT CO_2e) by 2045.

52 City of Sacramento, 2015. *City of Sacramento 2035 General Plan*, adopted March 3, 2015. Available: https://www.cityofsacramento.org/Community-Development/Resources/Online-Library/2035--General-Plan.

In the absence of a CAP that addresses the State's GHG reduction goals beyond 2020, the analysis in this section presented as part of checklist Question a) above used SMAQMD recommended thresholds for the evaluation of project GHG impacts. As detailed above, SMAQMD thresholds include requiring BMPs for operational emissions, for agencies without adopted GHG reduction plans (or climate action plans) or their own adopted thresholds and for projects that are inconsistent with an agency's adopted GHG reduction plan to establish consistency with CARB's Climate Change Scoping Plan. Nevertheless, as the 2012 CAP is a City-adopted plan, a consistency analysis of the project with the strategies, measures, and actions contained in the 2012 Climate Action Plan is provided below. The Climate Action Plan policies are included as Appendix B of the General Plan.

Policies from the 2012 CAP are contained in Appendix B of the 2035 General Plan; those that are applicable to the construction and operation of the proposed project are listed in **Table 14**. As shown below, the proposed project would implement sustainability features and incorporate characteristics to reduce energy use, conserve water, and promote the use of alternative modes of transportation consistent with the City of Sacramento's policies. As a result, the project would not conflict with applicable 2035 General Plan and Climate Action Plan policies to reduce GHG emissions.

TABLE 14
CONSISTENCY WITH CITY OF SACRAMENTO GENERAL PLAN AND CLIMATE ACTION PLAN

General Plan Policy	Description	Consistency Analysis
Policy LU 7.1.2	**Housing in Employment Centers.** The City shall require compatible integration of housing in existing and proposed employment centers to help meet housing needs and reduce vehicle trips and commute times, where such development will not compromise the City's ability to attract and maintain employment-generating uses.	**Not Applicable.** The proposed project would not include new housing.
Policy M 5.1.5	**Motorists, Bicyclists, and Pedestrian Conflicts.** City shall develop safe and convenient bikeways, streets, roadways, and intersections that reduce conflicts between bicyclists and motor vehicles on streets, between bicyclists and pedestrians on multi-use trails and sidewalks, and between all users at intersections.	**Consistent.** As shown in the proposed project site plan, the project would construct pedestrian facilities along the project driveway, providing access to the project site and pedestrian connections to existing and planned pedestrian infrastructure along Gateway Park Boulevard and the project driveway and proposed Natomas Fountains residential development to the west. The project would be served by existing Class II bike lanes along both sides of Gateway Park Boulevard, North Freeway Boulevard, and Truxel Road in the vicinity of the project location. Bicycle parking would be consistent with the requirements for bicycle facilities in the Zoning Code and CALGreen.

TABLE 14
CONSISTENCY WITH CITY OF SACRAMENTO GENERAL PLAN AND CLIMATE ACTION PLAN

General Plan Policy	Description	Consistency Analysis
Policy U 2.1.10	**Water Conservation Standards.** The City shall achieve a 20 percent reduction in per-capita water use by 2020 consistent with the State's *20x2020 Water Conservation Plan* (California Water Resources Control Board, 2010).	**Consistent.** The proposed project would be required to be consistent with the State's *20x2020 Water Conservation Plan*. The project would also comply with the most recent (2022) mandatory CalGreen standards regarding water use and efficiency.
Policy U 2.1.15	**Landscaping.** The City shall continue to require the use of water-efficient and river-friendly landscaping in all new development, and shall use water conservation gardens (e.g., Glen Ellen Water Conservation Office) to demonstrate and promote water conserving landscapes.	**Consistent.** Project landscaping would include plants that are drought tolerant, native to California or other Mediterranean climates, or other low water use species. High efficiency irrigation systems with water-efficient sprinkler heads, and smart controllers will be used.
Policy U 6.1.16	**Energy Efficiency Appliances.** The City shall encourage builders to supply Energy STAR appliances and HVAC systems in all new residential developments.	**Not Applicable.** The project would not be a residential development.

SOURCE: ESA 2023.

Consistency with Climate Action Plan Consistency Review Checklist

The City has prepared a Climate Action Plan Consistency Review Checklist (CAP Consistency Review Checklist) to provide a streamlined review process for proposed new development projects which are subject to discretionary review and trigger environmental review pursuant to CEQA. Projects that demonstrate consistency with the CAP and the Sacramento 2035 General Plan are considered to have no additional significant environmental effect beyond the impacts of the General Plan and the Climate Action Plan and would therefore be considered less than significant. As shown in **Table 15**, the project would be consistent with the City's CAP Review Checklist.

TABLE 15
CONSISTENCY WITH CLIMATE ACTION PLAN REVIEW CHECKLIST

Checklist Item		Consistency Analysis
1.	Is the proposed project substantially consistent with the City's over-all goals for land use and urban form, allowable floor area ratio (FAR) and/or density standards in the City's 2035 General Plan, as it currently exists?	**Consistent.** The proposed project is an infill project, and consistent with the site's general plan designation (Regional Commercial Center) and zoning (SC-PUD), with the approval of a conditional use permit. As described in the 2035 General Plan, the City's goal is to grow inward, within the city limits, and develop vacant or underutilized parcels. The proposed urban form, with parking interior to the site, and pedestrian connections to sidewalks, complies with the design requirements set forth in the City's Design Guidelines and is similar in nature to other gas station, convenience store, and car wash uses near the project site.
2.	Would the project incorporate traffic calming measures? (Examples of traffic calming measures include, but are not limited to: curb extensions, speed tables, raised crosswalks, raised intersections, median islands, tight corner radii, roundabouts or mini-circles, on-street parking, planter strips with street trees, chicanes/chokers.)	**Consistent.** The proposed project would include vehicular access to the site via a driveway from the private drive that extends from the intersection of Gateway Park Boulevard and North Freeway Boulevard to Truxel Road to the west. The proposed project would not alter the streetscape along Gateway Park Boulevard. The Streets is a major collector with relatively high speeds, which are not conducive to traffic calming measures. Due to the street characteristics, traffic calming measures would be inappropriate on Gateway Park Boulevard, North Freeway Boulevard or Truxel Road. The interior of the project site is designed for slower speeds.
3.	Would the project incorporate pedestrian facilities and connections to public transportation consistent with the City's Pedestrian Master Plan?	**Consistent.** As shown in the proposed project site plan, the project would construct pedestrian pathways that would connect parking areas and the proposed convenience store to surrounding pedestrian facilities, maintaining access to pedestrian and transit facilities in surrounding areas.
4.	Would the project incorporate bicycle facilities consistent with the City's Bikeway Master Plan, and meet or exceed minimum standards for bicycle facilities in the Zoning Code and CALGreen?	**Consistent.** The project would be served by existing Class II bike lanes along both sides of Gateway Park Boulevard, North Freeway Boulevard, and Truxel Road in the vicinity of the project location. Bicycle parking would be consistent with the requirements for bicycle facilities in the Zoning Code and CALGreen.
5.	For residential projects of 10 or more units, commercial projects greater than 25,000 square feet, or industrial projects greater than 100,000 square feet, would the project include on-site renewable energy systems (e.g., photovoltaic systems) that would generate at least a minimum of 15% of the project's total energy demand on-site? (CAP Actions: 3.4.1 and 3.4.2)	**Not Applicable.** The project would be a commercial development that would not exceed 25,000 square feet.
6.	Would the project (if constructed on or after January 1, 2014) comply with minimum CALGreen Tier I water efficiency standards?	**Consistent.** The proposed project would be required to be consistent with the State's *20x2020 Water Conservation Plan*. The project would also comply with the most recent (2022) mandatory CalGreen standards regarding water use and efficiency.

SOURCE: ESA 2023.

3.9 Hazards and Hazardous Materials

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

Environmental Setting

The 1.26-acre project site is vacant and undeveloped and is surrounded by urbanized land uses. A search of the State Water Resources Control Board (SWRCB) GeoTracker[53] and Department of Toxic Substances Control (DTSC) EnviroStor[54] databases indicates that there are no known active hazardous materials sites, Cleanup Program Sites, or Leaking Underground Storage Tanks (LUST) within the vicinity of the project site.

Discussion

a) ***Less than Significant.*** Use of construction materials and equipment to prepare the site and construct the proposed facilities would require the use of hazardous materials such as

[53] California State Water Resources Control Board, 2023. Geotracker Database. Available online: https://geotracker.waterboards.ca.gov/map/?myaddress=California&from=header&cqid=9544721305. Accessed January 23, 2023.

[54] U.S. Department of Toxic Substances Control, 2023. Envirostor Database. California Department of Toxic Substances Control. DTSC's Hazardous Waste and Substances Site List – Site Cleanup (Cortese List). Available online: https://www.envirostor.dtsc.ca.gov/public/search?cmd=search&reporttype=CORTESE&site_type=CSITES,FUDS&status=ACT,BKLG,COM&reporttitle=HAZARDOUS+WASTE+AND+SUBSTANCES+SITE+LIST+%28CORTESE%29. Accessed January 23, 2023.

fuels, oils and lubricants, solvents and cleaners, glues and adhesives, paints and thinners, degreasers, cement and concrete, and asphalt mixtures are all commonly used in construction. The routine usage or accidental spill of hazardous materials during construction could result in exposures or inadvertent releases, which could adversely affect construction workers, the public, and the environment. Construction activities would be required to comply with the numerous federal, State, and local hazardous materials regulations such as Sacramento 2035 General Plan policies, City Code Title 8.60 (Hazardous Material Cleanup) and 8.64 (Hazardous Materials Disclosure), the California Fire Code, as well as procedures and specifications set forth by the Department of Transportation (DOT), California Department of Transportation (Caltrans), and the California Highway Patrol (CHP). The required compliance with the numerous existing laws and regulations discussed above that govern the transportation, use, handling, and disposal of hazardous materials would limit the potential for creation of hazardous conditions from the use or accidental release of hazardous materials.

b) ***Less than Significant.*** As discussed in the Environmental Setting, the project site is not located in the vicinity of any active hazardous materials sites or other hazardous facilities. There is no indication that activities proposed for the project would encounter any contaminated soil or groundwater during construction. Additionally, compliance with the regulations described above in threshold (a) would minimize the potential of hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment to a less-than-significant level.

c) ***Less than Significant.*** The project site is in a commercial area within the near vicinity of several schools. Adventure Montessori School is located approximately 0.13 miles northeast of the project site, Natomas Charter School is approximately half a mile west, Little Blossom Montessori School is 0.7 miles northwest, and Discovery and Natomas High Schools are approximately 0.7 and 0.8 miles south, respectively. Of these schools, Adventure Montessori School is located within 0.25-miles of the project site. However, the project is subject to the Sacramento City Code, Titles 8.60 (Hazardous Material Cleanup) and 8.64 (Hazardous Materials Disclosure) that establish parameters for the safe handling of hazardous materials to limit the risk of public exposure. The grading permit which includes ground-disturbing activities occurring as a result of the proposed project would require adherence to best management practices (BMPs) for hazardous material spill prevention and cleanup as established associated SWPPP. Compliance with the aforementioned regulations would render the impact of hazardous materials risks related to construction and operation of the proposed project less than significant.

d) ***No Impact.*** As discussed in the Environmental Setting, the proposed project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, or, the "Cortese List." Therefore, the proposed project would not create a significant hazard to the public or the environment on account of being located on a hazardous materials site. There would be no impact under this criterion.

e) ***No Impact.*** The nearest airport to the proposed project site is the Sacramento International Airport, located approximately 6 miles northwest of the site. According to the Comprehensive Land Use Plan (CLUP) for the Sacramento International Airport, the project site is not within the delineated Airport Influence Area (AIA) safety zones or noise contours.[55] The proposed project would therefore not result in a safety hazard or excessive noise for people working in the project area, and there would thus be no impact.

f) ***Less than Significant.*** The City of Sacramento adopted its most recent Emergency Operations Plan in 2018, and Sacramento County adopted its most recent Area Plan for Emergency Response to Hazardous Materials Incidents in 2022 as well as its Local Hazard Mitigation Plan in 2021. The City and County cooperate on the implementation of the adopted emergency response plans, and such implementation would not be impaired by the proposed project. Additionally, it is not anticipated that implementation of proposed project would cause significant lane closures during construction. As specified by the Sacramento Municipal Code Sections 12.20.020 and 12.20.030, the City's Public Works Department requires preparation of a Traffic Management Plan for the construction activities to reduce major congestion problems, which could result in interference with emergency response.

With compliance with the Traffic Management Plan review and approval by the City's Public Works Department, the proposed project would minimize the potential for construction impacts to interfere with emergency response and implementation of Traffic Management Plans would reduce the impact to less than significant. The proposed development would not require substantial or permanent road closures which might affect implementation of an emergency response or evacuation plan, the proposed project impact would remain less than significant.

g) ***Less than Significant.*** The project site is not located in a Very High Fire Hazard Severity Zone (VHFHSZ)[56] as mapped by the California Department of Forestry and Fire Protection (CAL FIRE). The site is within a Local Responsibility Area (LRA) which is within the City of Sacramento's Fire Department service area. Additionally, the proposed project would develop the site with urbanized uses and would be subject to similar conditions for which vegetation management practices would remain applicable and effective in minimizing any potential fire hazards from construction. For these reasons, the impact of the proposed project with respect to fire hazards would remain less than significant.

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[55] Sacramento Area Council of Governments (SACOG), 2013. Sacramento International Airport Land Use Compatibility Plan. Adopted December 12, 2013. Available online: https://www.sacog.org/sites/main/files/file-attachments/smf_alucp_all_adopted_dec_2013.pdf?1456339912. Accessed January 25, 2023.

[56]

3.10 Hydrology and Water Quality

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

Environmental Setting

The City of Sacramento is located within the Sacramento Valley Groundwater Basin, which includes both the 351,000-acre North American Subbasin and the 248,000-acre South American Subbasin. The proposed project site would fall within the North American Subbasin.[57]

The City is also situated at the confluence of the Sacramento River and the American River, within the Sacramento River Basin. The basin consists of approximately 27,000 square miles bounded by the Cascade Range and Trinity Mountains to the north, the Sacramento-San Joaquin Delta to the southeast, the Sierra Nevada to the east, and the Coast Ranges to the west. This basin captures approximately 22 million acre-feet (AF) of average annual precipitation.[58]

[57] City of Sacramento, 2015. City of Sacramento 2035 General Plan Background Report. Adopted March 3, 2015. P. 6-48.

[58] City of Sacramento, 2015. City of Sacramento 2035 General Plan Background Report. Adopted March 3, 2015. P. 6-43.

Discussion

a) ***Less than Significant.*** The proposed project may result in some sedimentation and construction-period erosion and runoff. Construction-related activities have the potential to impact water quality. For instance, fuel, oil, grease, solvents, concrete wash, and other chemicals used in construction activities have the potential of creating toxic problems if allowed to enter a waterway. Construction activities are also a source of various other materials including trash, soap, and sanitary wastes. Water quality in the City of Sacramento is regulated by the City of Sacramento Stormwater Quality Improvement Program (SQIP), a comprehensive program intended to reduce stormwater pollution to the Maximum Extent Practicable (MEP).[59] The State Water Resources Control Board (SWRCB) adopts a statewide general National Pollutant Discharge Elimination System (NPDES) permit to regulate stormwater discharges associated with construction activity. Projects which disturb at least one acre of soil are also required to obtain coverage under the General Permit for Discharges of Stormwater Associated with Construction Activity Construction General Permit Order 2009-0009-DWQ (General Permit). This permit applies to construction activities that include clearing, grading, and ground disturbances like stockpiling or excavation. The City of Sacramento SQIP contains a General Construction Permit which requires the implementation of a Stormwater Pollution Prevention Plan (SWPPP) to protect stormwater runoff.

Further, the proposed project would be designed in adherence with standards and guidelines for source control, runoff reduction, and treatment control measures established in the Stormwater Quality Design Manual for the Sacramento Region,[60] and with the stormwater pollutant reduction requirements of the Stormwater Management and Discharge Control Code under Chapter 13.16 of the Sacramento City Code. Compliance with the described permit requirements, Stormwater Quality Design Manual standards and guidelines, and other applicable regulations would result in a less-than-significant impact to water quality standards.

b) ***Less than Significant.*** The proposed project would introduce impervious surfaces throughout the approximately 1.26-acre project site, which is situated within the 351,000-acre North American Subbasin. The project would remove approximately 15,348 square feet of existing impervious surfaces and construct 43,398 square feet of impervious surface area. In 2014, it was estimated that cumulative groundwater recharge to the North American Subbasin from various recharge components was approximately 114,400 AF.[61] Given the size of the subbasin and the cumulative recharge the basin receives, the relatively small acreage of pervious area which would be lost as a result of project implementation would not be anticipated to substantially decrease or interfere with groundwater recharge such that sustainable groundwater management of the basin would be impeded. Compliance with the 2014 Groundwater Management Plan and with the

59 City of Sacramento, 2022. "Stormwater." Available: https://www.cityofsacramento.org/utilities/drainage/stormwater. Accessed January 23, 2023.

60

61

2015 Sustainable Groundwater Management Act (SGMA) would further reduce environmental effects of the proposed project related to groundwater recharge, and the impact would be less than significant.

c)

i ***Less than Significant.*** The proposed project would be subject to the development, review, and implementation of a project-specific drainage study and site-specific grading plan under the guidance of the City of Sacramento Department of Utilities (DOU) prior to construction. The project would be required to comply with applicable permits to regulate ground-disturbing activities and stormwater runoff, which would include implementation of BMPs and monitoring programs.

The proposed project would also be subject to compliance with and inspections under the City of Sacramento's Grading, Erosion, and Sediment Control Ordinance, which requires project applicants to demonstrate erosion, sediment, and urban runoff pollution control methods on construction plans. Adhering to these conditions would result in a less-than-significant impact to on- or off-site erosion or siltation through alteration of the existing drainage pattern for the proposed project.

ii ***Less than Significant.*** The proposed project would require a site-specific drainage study subject to review and approval by DOU, and grading of the proposed project site would not occur prior to the DOU's review and approval of a project-specific grading plan. The project would comply with relevant policies of the 2035 General Plan, requirements of the NPDES, General Permit, General Construction Permit, Stormwater Quality Design Manual standards and guidelines as well as Stormwater Management and Discharge Control regulations, which would reduce any potential environmental effects of increased surface runoff resulting from the proposed project and would result in a less-than-significant impact to on- or off-site flooding.

iii ***Less than Significant.*** Any anticipated infrastructure for the drainage system at the proposed project site would be designed in accordance with the standards and guidelines of the Stormwater Quality Design Manual for the Sacramento Region and the DOU's Onsite Design Manual for Drainage, Sewer, Water, Stormwater Quality and Erosion and Sediment Control.[62] Compliance with NPDES, General Permit, and General Construction Permit measures, as well as implementation of BMPs to protect stormwater runoff and regulate discharge, and adherence to the City of Sacramento's Grading, Erosion, and Sediment Control Ordinance, would reduce the potential effects of drainage pattern alteration to runoff capacity or pollution resulting from the proposed project. The drainage study which would be required for this project prior

[62] City of Sacramento Department of Utilities, 2020. Onsite Design Manual for Onsite Drainage, Sewer, Water, Stormwater Quality and Erosion and Sediment Control. Published May 1, 2020. Available online: https://www.cityofsacramento.org/-/media/Corporate/Files/DOU/Specs-Drawings/OnsiteDesignManual.pdf?la=en. Accessed January 30, 2023.

to project construction would confirm this conclusion. This impact would therefore be less than significant.

iv ***Less than Significant.*** The proposed project site is situated within Zone A99, as mapped by the Federal Emergency Management Agency (FEMA), and therefore does not fall within any special flood hazard areas or other areas of flood hazard. The proposed project would comply with Section 15.88.010 of the Sacramento City Code, which prohibits development of a project such that the project would obstruct, impede, or interfere with the natural flow of existing off-sire drainage crossing the proposed project site. Further, grading of the project site would not occur prior to the review and approval of the project-specific grading plan by the DOU.

Although the proposed project would alter existing drainage on the site through the addition of impervious surfaces, the proposed project is not anticipated substantially alter existing patterns of the project site or vicinity in a manner which would impede or redirect flood flows. Compliance with relevant policies of the 2035 General Plan and with FEMA-mandated flood insurance purchase requirements and National Flood Insurance Program (NFIP) floodplain management standards established for A99 zones would result in a less-than-significant impact to the alteration of existing drainage patterns such that flood flows would be impeded or redirected.

d) ***Less than Significant.*** The proposed project site is not located near a body of water such that the project would place individuals or structures at risk of a tsunami or seiche. However, the proposed project site is located within an A99 zone, as mapped by FEMA.[63] Because of this designation, the proposed project would be subject to mandatory flood insurance purchase requirements and floodplain management and building requirements as contained in Section 60 of NFIP regulations.[64]

Should proposed buildings be situated within a flood-prone area, NFIP regulations require that all new construction and substantial improvements: (i) be designed or modified and adequately anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy, (ii) be constructed with materials resistant to flood damage, (iii) be constructed by methods and practices that minimize flood damages, and (iv) be constructed with electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding. As the proposed project would comply with the NFIP floodplain management and building requirements, as well as previously described permits and BMPs, 2035 General Plan policies, and relevant City Code regulations to reduce erosion, sedimentation, and pollution discharge,

[63] Federal Emergency Management Agency, 2023. FEMA's National Flood Hazard Layer (NFHL) Viewer. Available online: https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd. Accessed January 30, 2023.

[64] Federal Code of Regulations (CFR). 44 CFR Part 60.3 Flood plain management criteria for flood-prone areas.

the proposed project would not substantially risk the release of pollutants due to project inundation resulting from flood hazards. The impact would thus be less than significant.

e) ***No Impact.*** The proposed project would be subject to the standards and guidelines of the City of Sacramento 2020 Urban Water Management Plan (UWMP) and the 2014 Sacramento County Groundwater Management Plan, and would not conflict with or obstruct with implementation of a water quality control plan or sustainable groundwater management plan. There would thus be no impact to water management plans resulting from implementation of the proposed project.

3.11 Land Use and Planning

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

Environmental Setting

The project site is located in the North Natomas area of the City of Sacramento. The project site is designated as Regional Commercial Center (Density Range: 32-80 du/ac) with a Floor Area Ratio (FAR) range of 0.15 to 3.00 FAR in the 2035 General Plan. This land use designation is meant to provide for predominantly nonresidential, large-scale, regional shopping centers with a mix of uses including retail and other public uses.[65] The site is zoned Shopping Center—Planned Unit Development (SC-PUD), which allows for a variety of uses including a gas station as a conditional use. The project site is also governed by the Coral Business Center Planned Unit Development (PUD) Guidelines.

Discussion

a) ***Less than Significant.*** The proposed project would fill in a vacant site amongst other developed uses, such as commercial, retail, and industrial uses. The surrounding retail buildings to the east and south are single-story buildings. The warehouse buildings to the north of the project site are two-story concrete industrial buildings with asphalt parking lots in front of the buildings. The area directly west of the project site will contain the

[65] City of Sacramento, 2015. City of Sacramento 2035 General Plan. Land Use and Urban Design Element. Adopted March 3, 2015. Available online: https://www.cityofsacramento.org/-/media/Corporate/Files/CDD/Planning/General-Plan/2035-GP/Land-Use-and-Urban-Design_R.PDF?la=en. Accessed January 24, 2023.

approved Natomas Fountains Apartments, which will consist of three-story buildings approximately 47.8 feet in height. Slightly farther out, residential uses are present in the Natomas Crossing and South Natomas areas to the west and south. The proposed project would develop a 3,349-square-foot convenience store, a 1,152-square-foot automatic car wash, and a 4,940-square-foot fuel canopy on a 1.26-acre project site. The FAR for the proposed project would be 0.17, which would be within the threshold for the existing land use designation. The project would continue the surrounding retail/commercial development and is not dissimilar from adjacent land uses. The proposed project would thus not physically divide an established community.

b) ***Less than Significant.*** The project site is located within the Coral Business Center Planned Unit Development (PUD). The Coral Business Center encompasses approximately 76 acres and is one of the first major business centers in North Natomas. It is divided into three parcels, with Parcel 1 containing the project site at the southern end of the PUD. This parcel is designated for office, support retail, and hotel uses. Therefore, the gas station and convenience store uses proposed by the project would be consistent with other support retail uses in the PUD. As stated above, the project would be consistent with the City of Sacramento 2035 General Plan land use and zoning designations. Further, development within the Natomas Basin is subject to the Natomas Basin Habitat Conservation Plan (NBHCP), with the exception of development areas determined to have existed prior to the 1997 adoption of the NBHCP. The 75-acre Coral Business Center PUD is included in the list of existing development and is therefore exempt from compliance with the NBHCP.[66] The proposed project would not cause any significant environmental effect related to conflict with any applicable land use plan, policy, or regulation.

3.12 Mineral Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XII. MINERAL RESOURCES — Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

[66] City of Sacramento, Sutter County, & Natomas Basin Conservancy, 2006. Final Natomas Basin Habitat Conservation Plan. Ch. 5 Land Use Issues. P. III-14 & Exhibit B. Available online: https://natomasbasin.org/wp-content/uploads/natomas-basin-habitat-conservation-plan/5nbhcpland_use2006_a11y.pdf. Accessed January 24, 2023.

Environmental Setting

Historically, mineral construction in the Sacramento region has included construction aggregate, kaolin clay, common clay, pumice, and gold.[67] The City of Sacramento had one permitted mining operation in the southeastern portion of the City; however, this operation is no longer an active mining site. One other mining operation for construction sand is located adjacent to the American River in the South Natomas Community Plan area; however, this has been ordered to cease and desist by both the City and State, as it is not a permitted mining operation. Mineral resources currently extracted in Sacramento County consist of primarily construction sand and gravel.

Mineral Resource Zones (MRZs) are classified on the basis of geologic factors, without regard to existing land use and land ownership. MRZs are categorized into four broad classifications (MRZ-1 through MRZ-4), where zones that are likely to include significant existing or likely mineral deposits are classified as MRZ-2 areas. Many of the areas within the City of Sacramento that are classified as MRZ-2 have already been developed.

Discussion

a) ***No Impact.*** Of the four Mineral Resource Zone classifications described above, the project area is classified as MRZ-1,[68] indicating that there is adequate information to suggest that no significant mineral deposits are present or that there is little likelihood of their presence in the area. As there are no known mineral resources located on the proposed project site, no impact to known mineral resources of regional or state-wide value would result from implementation of the proposed project.

b) ***No Impact.*** Although existing mineral extraction activities in the vicinity of Sacramento include clay and fine and course construction aggregates (sand and gravel, respectively), these activities do not pertain to locally important mineral resources or recovery sites. As the proposed project vicinity is classified as MRZ-1, indicating a lack of the presence or likelihood of significant mineral deposits, the proposed project would result in no impact related to the loss of availability of locally important mineral resource recovery sites.

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[67] City of Sacramento, 2015. City of Sacramento 2035 General Plan Background Report. Adopted March 3, 2015. P. 6-93.

[68] O'Neal, Gius, 2018. Mineral Land Classification Map of Concrete Aggregate in the Greater Sacramento Area Production-Consumption Region. Available online: https://www.conservation.ca.gov/cgs/PublishingImages/Publications/SR-245-preview.jpg. Accessed January 24, 2023.

3.13 Noise

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

Environmental Setting

Noise is defined as unwanted sound. Sound is characterized by various parameters that include the rate of oscillation of sound waves (frequency), the speed of propagation, and the pressure level or energy content (amplitude). In particular, the sound pressure level has become the most common descriptor used to characterize the loudness of an ambient sound level. Sound pressure level is measured in decibels (dB), with 0 dB corresponding roughly to the threshold of human hearing, and 120 to 140 dB corresponding to the threshold of pain.

The typical human ear is not equally sensitive to all frequencies of the audible sound spectrum. As a consequence, when assessing potential noise impacts, sound is measured using an electronic filter that de-emphasizes the frequencies in a manner corresponding to the human ear's decreased sensitivity to low and extremely high frequencies instead focusing on the frequency mid-range. This method of frequency weighting is referred to as A-weighting and is expressed in units of A-weighted decibels (dBA). All sound pressure levels and sound power levels reported below are A-weighted.

Noise Exposure and Ambient Noise

An individual's noise exposure is a measure of the noise experienced by the individual over a period of time. A noise level is a measure of noise at a given instant in time. However, noise levels rarely persist consistently over a long period of time. In fact, noise varies continuously with time with respect to the contributing sources in the noise environment. Noise is primarily the product of many distant noise sources, which constitute a relatively stable background noise exposure, with the individual contributors unidentifiable. Background noise levels change throughout a typical day, but do so gradually, corresponding with the addition and subtraction of distant noise sources and atmospheric conditions. The addition of short duration single event noise sources (e.g., aircraft flyovers, motor vehicles, sirens) makes noise constantly variable throughout a day.

These successive additions of sound to the noise environment vary the noise level from instant to instant, requiring the measurement of noise exposure over a period of time to legitimately

characterize a noise environment and evaluate noise impacts. This time-varying characteristic of environmental noise is described using statistical noise descriptors. Different noise descriptors used to characterize environmental noise are summarized below:

L_{eq}: The equivalent sound level is used to describe noise over a specified period of time, in terms of a single numerical value. The L_{eq} is the constant sound level which would contain the same acoustic energy as the varying sound level, during the same time period (i.e., the average noise exposure level for the given time period).

L_{dn}: The energy average of the A-weighted sound levels occurring during a 24-hour period, and which accounts for the greater sensitivity of most people to nighttime noise by weighting noise levels at night ("penalizing" nighttime noises). Noise between 10 p.m. and seven a.m. is weighted (penalized) by adding 10 dBA to take into account the greater annoyance of nighttime noises. L_{dn} is also referred to as DNL.

L_{max}: The instantaneous maximum noise level measured during the measurement period of interest.

Effects of Noise on People

The effects of noise on people can be placed into three categories:

- subjective effects of annoyance, nuisance, dissatisfaction;
- interference with activities such as speech, sleep, learning; and
- physiological effects such as hearing loss or sudden startling.

Environmental noise typically produces effects in the first two categories. Workers at industrial plants often experience noise in the last category. There is no completely satisfactory way to measure the subjective effects of noise, or the corresponding reactions of annoyance and dissatisfaction. A wide variation exists in the individual thresholds of annoyance, and different tolerances to noise tend to develop based on an individual's past experiences with noise.

Thus, an important way of predicting a human reaction to a new noise environment is the way the new noise compares to the existing noise levels that one has adapted to, which is referred to as the "ambient noise" level. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will be judged by those hearing it. With regard to increases in A-weighted noise level, the following relationships occur:

- Except in carefully controlled laboratory experiments, a change of 1 dBA cannot be perceived;
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference when the change in noise is perceived but does not cause a human response;
- A change in level of at least 5 dBA is required before any noticeable change in human response would be expected; and
- A 10-dBA change is subjectively heard as approximately a doubling in loudness, and can cause an adverse response.

These relationships occur in part because of the logarithmic[69] nature of sound and the decibel system. The human ear perceives sound in a non-linear fashion; hence, the decibel scale was developed. Because the decibel scale is based on logarithms, two noise sources do not combine in a simple additive fashion, rather they combine logarithmically. For example, if two identical noise sources produce noise levels of 50 dBA, the combined sound level would be 53 dBA, not 100 dBA. However, where ambient noise levels are high in comparison to a new noise source, there will be a small change in noise levels. For example, when 70 dBA ambient noise levels are combined with a 60 dBA noise sources, the resulting noise level equals 70.4 dBA.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal and is typically expressed in units of inches per second (in/sec). The PPV is most frequently used to describe vibration impacts on buildings. The root mean square (RMS) amplitude is most frequently used to describe the effect of vibration on the human body. The RMS amplitude is defined as the average of the squared amplitude of the signal. Decibel notation (VdB) is commonly used to measure RMS. The decibel notation acts to compress the range of numbers required to describe vibration.[70] Typically, ground-borne vibration generated by man-made activities attenuates rapidly with distance from the source of the vibration.

Some common sources of ground-borne vibration are trains, heavy trucks traveling on rough roads, and construction activities such as blasting, pile driving, and operation of heavy earth-moving equipment. The effects of ground-borne vibration include movement of the building floors, rattling of windows, shaking of items on shelves or hanging on walls, and rumbling sounds. In extreme cases, vibration can cause damage to buildings. Building damage is not a factor for most projects, with the occasional exception of blasting and pile-driving during construction. In residential areas, the background vibration velocity level is usually around 50 VdB (approximately 0.0013 in/sec PPV).

Sensitive Receptors

Human response to noise varies considerably from one individual to another. Effects of noise at various levels can include interference with sleep, concentration, and communication, and can cause stress and hearing loss. Given these effects, some land uses are considered more sensitive to ambient noise levels than others. In general, residences, schools, hotels, hospitals, and nursing homes are considered to be the most sensitive to noise. Places such as churches, libraries, and

[69] Unlike a linear scale, in a *logarithmic* scale, the ratio of successive intervals is not equal to one. Each interval on a logarithmic scale is some common factor larger than the previous interval. A typical ratio is 10, so that the marks on the scale read: 1; 10; 100; 1,000; 10,000; etc., doubling the variable plotted on the x-axis.

[70] Federal Transit Administration (FTA). 2018. Transit Noise and Vibration Impact Assessment Manual. September 2018. https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf

cemeteries, where people tend to pray, study, and/or contemplate are also sensitive to noise. Commercial and industrial uses are considered the least noise-sensitive.

The proposed project is in an urban area. The existing land uses near the proposed project area includes residential uses to the west and commercial/retail uses to the north, east and south. Sensitive receptors within 1,000 feet of the project site are residential uses proposed for construction as part of the Natomas Fountains Apartments project. The Natomas Fountains Apartments are to be located immediately adjacent to the western project boundary. There is also the Vista Nueva Apartments 940 feet southeast of the project site

Existing noise sources in the immediate vicinity of the proposed project are primarily vehicular traffic along Truxel Road (approximately 650 feet west of the proposed project area), Gateway Park Boulevard (approximately 25 feet east of the proposed project area) and Interstate 80 (I-80) (approximately 2,100 feet south of the proposed project site).

To quantify the ambient noise levels in the vicinity of the proposed project, a noise measurement survey was conducted on February 15 - 16, 2023 within the project area and near sensitive land uses that could be impacted by noise generated by the project. The noise measurement was conducted using calibrated Larson Davis 831 noise meter. The noise measurement survey consisted of three 15-minute short-term (ST) noise measurements and one 24-hour long-term (LT) noise measurement. Noise measurement results and location are shown in **Table 16** and **Figure 8**, respectively. Noise levels generally increase in the early morning corresponding with increases in commuter traffic and other activities.

TABLE 16
MEASURED AMBIENT NOISE LEVELS

Monitor	Location	Start Time	Noise level (dBA)	Primary Noise Source(s)
ST-1	Northeast corner of Vista Nueva Apartments	11:22 a.m.	53 L_{eq}	Traffic on Truxel Rd
ST-2	Behind Endeavour Way residences, between 2071 Natomas Crossing and Truxel Road	12:17 p.n.	63 L_{eq}	Traffic on Truxel Rd
ST-3	End of Citirine Way facing Truxel Road	11:49 a.m.	51 L_{eq}	Traffic on Truxel Rd
LT-1	South of project site, in parking lot off of Gateway Park Boulevard	10:00 a.m.	62 L_{eq}[a] 61 L_{eq}[b] 67 L_{dn}[c]	Traffic on N. Freeway Blvd

NOTES:
[a] L_{eq} Daytime 7:00 a.m. - 10:00 p.m.
[b] L_{eq} Nighttime 10:00 p.m. - 7:00 a.m.
[c] L_{dn}: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.

Source: ESA, 2023

Path: U:\GIS\GIS\Projects\2022xxx\D202201138 ArcoNTI at GatewayParkBlvd ISMND\03 Project\CommunityDevelopment.aprx Fig3 Project Site, RTeitel 2/7/2023

SOURCE: ESA, 2023

Arco NTI at Gateway Park Blvd

Figure 8
Noise Monitoring Sites

ESA

Regulatory Setting

Federal, state, and local agencies regulate different aspects of environmental noise. Federal and state agencies generally set noise standards for mobile sources such as aircraft and motor vehicles, while regulation of stationary sources is left to local agencies. Local regulation of noise involves implementation of general plan policies and noise ordinance standards. Local general plans tend to identify general principles intended to guide and influence development plans; local ordinances establish standards and procedures for addressing specific noise sources and activities.

Federal

Truck Operations

Federal regulations establish noise limits for medium and heavy trucks (more than 4.5 tons, gross vehicle weight rating) under 40 Code of Federal Regulations, Part 205, Subpart B. The federal truck pass-by noise standard is 80 dBA at 15 meters (approximately 50 feet) from the vehicle pathway centerline. These regulatory controls are implemented on truck manufacturers.

Vibration

The FTA has adopted vibration standards that are used to evaluate potential building damage impacts related to construction activities. The vibration damage criteria adopted by the FTA are shown in **Table 17**.

TABLE 17
CONSTRUCTION VIBRATION DAMAGE CRITERIA

Building Category	PPV (in/sec)
I. Reinforced-concrete, steel, or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12

SOURCE: FTA, 2018

State

Vehicle Operations

The State of California establishes noise limits for vehicles licensed to operate on public roads. The pass-by standard for heavy trucks is consistent with the federal limit of 80 dBA. The pass-by standard for light trucks and passenger cars (less than 4.5 tons, gross vehicle rating) is also 80 dBA at 15 meters from the centerline. These standards are implemented through controls on vehicle manufacturers and by legal sanctions on vehicle operators by State and local law enforcement officials.

Vibration

The California Department of Transportation (Caltrans) has developed guidance on addressing vibration issues associated with construction, operation, and maintenance of transportation projects.[71] **Table 18** shows the Caltrans criteria for human response to transient vibration.

TABLE 18
HUMAN RESPONSE TO TRANSIENT VIBRATION

Human Response	PPV (inches/second)
Severe	2.0
Strongly Perceptible	0.9
Distinctly Perceptible	0.24
Barely Perceptible	0.035

SOURCE: Caltrans, 2013.

Local

City of Sacramento 2035 General Plan

Noise is addressed in the City of Sacramento 2035 General Plan within the Environmental Constraints Element.[72] The following goals and policies from the 2035 General Plan, relevant to noise and vibration are applicable to the proposed project.

Goal EC 3.1: Noise Reduction. Minimize noise impacts on human activity to ensure the health and safety of the community.

Policy EC 3.1.1: Exterior Noise Standards. The City shall require noise mitigation for all development where the projected exterior noise levels exceed those shown in Table EC 1 (shown below in **Table 19**), to the extent feasible.

Policy EC 3.1.2: Exterior Incremental Noise Standards. The City shall require noise mitigation for all development that increases existing noise levels by more than the allowable increment shown in Table EC 2 (shown below in **Table 20**), to the extent feasible.

Policy EC 3.1.5: Interior Vibration Standards. The City shall require construction projects anticipated to generate a significant amount of vibration to ensure acceptable interior vibration levels at nearby residential and commercial uses based on the current City or Federal Transit Administration (FTA) criteria.

71 California Department of Transportation (Caltrans). 2013a. *Technical Noise Supplement to the Caltrans Traffic Noise Analysis Protocol*. September 2013.

72 City of Sacramento. 2015. City of Sacramento 2035 General Plan. Adopted March 3, 2015. https://www.cityofsacramento.org/-/media/Corporate/Files/CDD/Planning/General-Plan/2035-GP/Environmental-Constraints.pdf?la=en.

TABLE 19
EXTERIOR NOISE COMPATIBILITY STANDARDS FOR VARIOUS LAND USES

Land Use Type	Highest Level of Noise Exposure that is Regarded as "Normally Acceptable"[a] (L_{dn}[b] or CNEL[c])
Residential—Low Density Single Family, Duplex, Mobile Homes	60 dBA[d,e]
Residential—Multi-family	65 dBA
Urban Residential Infill[f] and Mixed-Use projects[g]	70 dBA
Transient Lodging—Motels, Hotels	65 dBA
Schools, Libraries, Churches, Hospitals, Nursing Homes	70 dBA
Auditoriums, Concert Halls, Amphitheaters	Mitigation based on site-specific study
Sports Arena, Outdoor Spectator Sports	Mitigation based on site-specific study
Playgrounds, Neighborhood Parks	70 dBA
Golf Courses, Riding Stables, Water Recreation, Cemeteries	75 dBA
Office Buildings—Business, Commercial and Professional	70 dBA
Industrial, Manufacturing, Utilities, Agriculture	75 dBA

NOTES:
a As defined in the **State of California General Plan Guidelines**, "Normally Acceptable" means that the "specified land use is satisfactory, based upon the assumption that any building involved is of normal conventional construction, without any special noise insulation requirements."
b L_{dn} or Day Night Average Level is an average 24-hour noise measurement that factors in day and night noise levels.
c CNEL or Community Noise Equivalent Level measurements are a weighted average of sound levels gathered throughout a 24-hour period.
d dBA or A-weighted decibel scale is a measurement of noise levels.
e The exterior noise standard for the residential area west of McClellan Airport known as McClellan Heights/Parker Homes is 65 dBA.
f With land use designations of Central Business District, Urban Neighborhood (Low, Medium, or High) Urban Center (Low or High), Urban Corridor (Low or High).
g All mixed-use projects located anywhere in the City of Sacramento.

SOURCE: City of Sacramento, 2015. ***City of Sacramento 2035 General Plan***. Adopted March 3, 2015. Page 2-350.

Policy EC 3.1.8: Operational Noise. The City shall require mixed-use, commercial, and industrial projects to mitigate operational noise impacts to adjoining sensitive uses when operational noise thresholds are exceeded.

Policy EC 3.1.10: Construction Noise. The City shall require development projects subject to discretionary approval to assess potential construction noise impacts on nearby sensitive uses and to minimize impacts on these uses, to the extent feasible.

TABLE 20
EXTERIOR INCREMENTAL NOISE IMPACT STANDARDS FOR NOISE-SENSITIVE USES (DBA)

Residences and Buildings where People Normally Sleep[a]		Institutional Land Uses with Primarily Daytime and Evening Uses[b]	
Existing Ldn	Allowable Noise Increment	Existing Peak Hour Leq	Allowable Noise Increment
45	8	45	12
50	5	50	9
55	3	55	6
60	2	60	5
65	1	65	3
70	1	70	3
75	0	75	1
80	0	80	0

NOTES:
a This category includes homes, hospitals, and hotels where a nighttime sensitivity to noise is assumed to be of utmost importance.
b This category includes schools, libraries, theaters, and churches where it is important to avoid interference with such activities as speech, meditation, and concentration on reading material.

SOURCE: City of Sacramento, 2015. ***City of Sacramento 2035 General Plan***. Adopted March 3, 2015. Page 2-351.

City of Sacramento Municipal Code (Noise Control Ordinance)

The Sacramento Municipal Code includes noise regulations in Title 8 – Health and Safety, Chapter 8.68 – Noise Control (referred to generally as the Noise Control Ordinance). Of the regulations in Chapter 8.68, the following regulations would be applicable to the proposed project:

- Section 8.68.080 exempts certain activities from Chapter 8.68, including "noise sources due to the erection (including excavation), demolition, alteration, or repair of any building or structure" as long as these activities are limited to between the hours of 7:00 am and 6:00 pm Monday through Saturday, and between the hours of 9:00 am and 6:00 pm on Sunday. The use of exhaust and intake silencers for internal combustion engines is also required. Construction work can occur outside of the designated hours if the work is of urgent necessity and in the interest of public health and welfare for a period not to exceed 3 days. Section 8.68.080 also exempts noise from any mechanical device, apparatus, or equipment related to or connected with emergency activities or emergency work from Chapter 8.68 requirements.

- Section 8.68.060 sets standards for cumulative exterior noise levels at residential and agricultural properties, including exterior noise standards of 55 dBA from 7:00 am to 10:00 pm, and 50 dBA from 10:00 pm to 7:00 am. Per Section 8.68.060(b), the allowable decibel increase above the exterior noise standards in any one hour are:

  1. 0 dB for cumulative period of 30 minutes per hour;
  2. 5 dB for cumulative period of 15 minutes per hour;
  3. 10 dB for cumulative period of 5 minutes per hour;
  4. 15 dB for cumulative period of 1 minutes per hour; or

In addition, per Section 8.68.060(c), each of the noise limits above shall be reduced by 5 dB for impulsive or simple tone noises, or for noises consisting of speech or music. If the ambient noise level exceeds that permitted by any of the first four noise limit categories specified in subsection (b) above, the allowable noise limit shall be increased in 5 dB increments in each category to encompass the ambient noise level. If the ambient noise level exceeds the fifth noise level category, the maximum ambient noise level shall be the noise limit for that category.

Impact Criteria

Based on standards in the Sacramento General Plan and municipal code, the proposed project would be considered to have a significant impact with respect to noise and vibration if:

- Project construction activities do not comply with the requirements of Section 8.68.080 of the Sacramento municipal code;
- On-site project operational activities would generate noise levels that exceed exterior noise compatibility standards in Section 8.68.060 of the Sacramento municipal code;
- Project traffic increases noise along roadways in the vicinity of the project site by more than the incremental levels specified in Table 17;
- Project construction or operational activities generate vibration levels in excess of the FTA's 0.5 in/sec PPV criterion at the nearest non-historic structures; or
- Project construction or operation would expose residents or workers to excessive aircraft noise levels.

Discussion

a) ***Impact. Less than Significant with Mitigation Incorporated.***

Construction

The proposed project would generate noise primarily during construction as discussed below.

Construction of the proposed project would take place for over a period of approximately six months beginning in January 2024. Construction activities associated with the proposed project are detailed in Section 2 Project Description.

Construction would involve use of equipment that could generate substantial noise at and adjacent to construction areas. Noise impacts from construction would depend on the type of activity being undertaken and the distance to the receptor location. Construction noise impacts are most severe if construction activities take place during noise-sensitive hours (early morning, evening, or nighttime hours), in areas immediately adjoining noise-sensitive land uses, and/or when construction duration lasts over extended periods of time.

Table 21 shows typical noise levels produced by the types of construction equipment that are expected to be used for project construction.

TABLE 21
TYPICAL NOISE LEVELS FROM CONSTRUCTION EQUIPMENT

Type of Equipment	L_{max}, dBA	Hourly L_{eq}, dBA/% Use
Dump Truck	84	80/40%
Air Compressor	80	76/40%
Concrete Mixer (Truck)	85	81/40%
Scraper	85	81/40%
Jack Hammer	85	78/20%
Dozer	85	81/40%
Paver	85	82/50%
Generator	82	79/50%
Backhoe	80	76/40%

SOURCE: Federal Highway Administration (FHWA), Roadway Construction Noise Model User's Guide, 2018.

According to the City's Municipal Code (Chapter 8.68.080), noise generated during erection, excavation, demolition, alteration or repair of any building or structure between the hours of 7:00 a.m. and 6:00 p.m., on Monday, Tuesday, Wednesday, Thursday, Friday and Saturday, and between 9:00 a.m. and 6:00 p.m. on Sunday is exempt from the City's noise standards. For this exception to take effect, all internal combustion engines must be equipped with suitable exhaust and intake silencers that are in good working order. If the construction of the proposed project occurs within the City's construction exempt hours, noise generated during construction would result in a less than significant impact. However, if the construction of the proposed project occurs outside of the City's construction exempt hours, the project would have to comply with the City's noise standards. The City does not allow noise levels at residential uses to exceed 55 dBA L_{eq}/75 dBA L_{max} between the hours of 7:00 a.m. to 10:00 p.m. and 50 dBA L_{eq}/70 dBA L_{max} between the hours of 10:00 p.m. to 7:00 a.m.

Construction of the proposed project would occur within the City's construction exempt hours.

The nearest off-site sensitive land use to the proposed project are residences proposed to be located approximately 132 feet west of the proposed project area. Noise from construction activities generally attenuates at a rate of 6 to 7.5 dBA for every doubling of distance.[73] Assuming an attenuation rate of 7.5 dBA per doubling of distance and two of the loudest pieces of construction equipment (i.e., Scraper, dozer) operating at the same time, the nearest sensitive land uses potentially located 132 feet from the proposed project site would be exposed to a noise level of approximately 73 dBA L_{eq}. However, because construction would occur during the exempt daytime hours, construction of the project would not generate of a substantial temporary increase in ambient noise levels in

[73] California Department of Transportation (Caltrans). 2013a. Technical Noise Supplement to the Caltrans Traffic Noise Analysis Protocol. September 2013.

the vicinity of the project in excess of standards established in the local general plan or noise ordinance. This impact would be considered **less than significant**.

Operation

The project would generate operational noise from activities associated with the proposed commercial activities as well as an increase in traffic along roadways in the project vicinity.

Commercial uses proposed as part of the project would generate operational noise primarily from vehicle activity to the site. In addition, Heating, Ventilation and Air Conditioning (HVAC) units, operation of the car wash, idling and unloading of delivery trucks would also generate noise. However, this noise would be minimal and would not be audible to the nearest receptors, the residents at the Natomas Fountains Apartments located to the west of the project site.

HVAC Noise

HVAC units can generate noise levels of approximately 51 dBA L_{eq} at a reference distance of 100 feet from the operating units during maximum heating or air conditioning operations.[74] HVAC units are typically housed in equipment rooms or in exterior enclosures on the building's rooftop. The nearest proposed sensitive (future residential) land use is located approximately 270 feet west of the proposed project where operational HVAC noise levels would be 43 dBA, Leq. Therefore, the nearest sensitive land use would not be exposed to noise generated by the onsite HVAC equipment that would exceed the City's nighttime noise standards of 50 dBA. Therefore, the impact from HVAC operations would be **less than significant**.

Car Wash Noise

The proposed car wash would introduce noise associated with car wash dryers and vacuums. Noise levels generated by car washes are primarily due to the drying portion of the operation. An acoustical study estimated car wash operation noise levels based on equipment commonly used in gas station/car wash tunnels (Ryko 3-Fan Slimline Drying System and JE Adams Super Vac (2-motor) Model 9200 series vacuum system) to be 54 dBA at 400 feet.[75] The nearest noise-sensitive land uses to the proposed location of the car wash facility are future residences located approximately 220 feet to the west of the car wash. At this distance, the exposure of unobstructed noise generated by commercial use car wash operations at these residences would be approximately 59 dB L_{50}. However, the primary noise source (drying system) associated with the car wash would be located on the eastern end of the car wash structure which would allow the structure to act as an attenuating barrier to the apartments to the west. Conservatively applying a 5 dBA reduction provided by the car wash structure, resulting in an attenuated noise levels of 54 dBA, Leq. The noise levels from this use would be below the residential daytime exterior noise standard of 55 dBA, L_{eq}, but would exceed the nighttime standard of 50

74 Puron, 2005. *48PG03-28 Product Data*. p. 10 – 11.

75 Bollard Acoustics, Environmental Noise and Vibration Assessment, Upper Westside Specific Plan, December, 2022.

dBA, L_{eq}. Therefore, the impact of the proposed commercial use car wash operations noise at existing sensitive uses would be **significant**. **Mitigation Measure NOI-1** is identified to address operational noise impacts of the car wash. With implementation of Mitigation Measure NOI-1, potentially significant impacts related to operation of the proposed car wash would be reduced to a level that is less than significant.

Mitigation Measure NOI-1: Noise Controls for proposed car wash facility. Prior to submission of the final permit, the project applicant shall implement restrictions on hours of operation for the proposed car wash. Specifically:

- Operations hours for the car wash facility will be limited to the daytime hours of 7:00 a.m. to 10:00 p.m.

Fueling Station Noise

The proposed project would generate on-site noise from vehicles queuing for access to the gasoline pumps and daily fuel truck deliveries. These sources were monitored at an existing high-volume) (Costco) fueling facility in Vallejo, California. The monitoring indicated an average noise level over the 45-minute monitoring period of 55 dBA, Leq at a distance of 100 feet.[76] The monitoring event also included the uncoupling and departure of a tanker truck. These noise levels would attenuate to 50 dBA at the nearest (future) receptor 170 feet away from the fuel islands. This noise level would be levels less than the residential daytime exterior noise standard of 55 dBA, L_{eq}, and would meet but not exceed the nighttime standard of 50 dBA, L_{eq}. Therefore, the proposed project would not result in new significant impacts or a substantial increase in severity of significant impacts related to on-site noise sources Therefore, the impact of the proposed fueling activities noise at the nearest (future) sensitive uses would be **less than significant**.

Traffic Noise

The project would also lead to an increase in operational noise from traffic generated by the proposed development. Based on the traffic study, the proposed project would generate roughly 3,383 daily trips, with 257 trips in the a.m. peak hour and 427 trips during the p.m. peak hour.[77] These trips would be distributed along the roadway network in the vicinity of the project site and would result in increase in noise levels along roadway segments and intersections leading to the project site.

Traffic noise levels along segments of Truxel Road, which would be most affected by project traffic were determined using algorithms of the FHWA Traffic Noise Prediction Model Technical Manual and evening peak hour turning movements in prior studies

[76] Environmental Science Associates, Noise Technical Memorandum – Costco San Ramon Fueling Station Project, September, 2020.

[77] Wood Rodgers, 2022. *Natomas ARCO Project Memorandum.* March 21, 2022.

conducted at the project site.[78,79] The baseline scenario includes trips associated with approved projects in the vicinity including the proposed Natomas Fountains Apartments to the west of the project site. The segments analyzed and the modeled noise increases along these segments are shown in **Table 22** below. The increase in traffic noise is compared to the exterior incremental noise impact standards shown in Table 17.

TABLE 22
PROJECT PEAK-HOUR TRAFFIC NOISE LEVELS[1,2]

Roadway Segment	Existing (A) (dBA)	Baseline (B) (dBA)	Baseline + Project (C) (dBA)	C – B (dBA)	Significance Threshold based on Existing Noise Level (dBA)	Noise Increase Significant?
Truxel Rd from I-80 to Gateway Park Blvd	77.8	78.7	79.0	+0.3	1	**No**
Gateway Park Blvd from Truxel Rd to N. Freeway Blvd	74.4	75.0	75.4	+0.4	1	**No**

NOTES:
1 Noise levels were determine using methodology described in FHWA Traffic Noise Model Technical Manual and project traffic data from Fehr and Peers and Kimley Horn.
2 P.M. peak hour traffic data used.

The highest increase in traffic noise at a sensitive land use (located adjacent to a roadway segment affected by the proposed project) is 0.3 dB, which is below the City of Sacramento General Plan Exterior Incremental Noise Impact Standard. Therefore, localized noise increases from the addition of project traffic would be **less than significant**.

b) ***Less-than-Significant Impact.***

Construction

Operation of the project would not include any activities that would generate significant levels of vibration. Therefore, it is not anticipated that project operation would expose the nearest sensitive receptors or structures to vibration levels that would result in annoyance. For this reason, the following analysis of the project's vibration impacts evaluates only the effects of on-site construction activities.

78 Fehr & Peers, 2016. *Natomas Fountains Final Initial Study/Mitigated Negative Declaration* (SCH # 2016082045), Appendix D Final Transportation Impact Study for the Natomas Fountains Project. June 22, 2016. Available at https://www.cityofsacramento.org/-/media/Corporate/Files/CDD/Planning/Environmental-Impact-Reports/Natomas-Fountains-AppD_Final_TIS.PDF?la=en. Accessed March 17, 2023.

79 Kimley Horn, 2022. *Addendum to the Natomas Fountains Initial Study/Mitigated Negative Declaration* (SCH # 2016082045), for the Natomas Fountains Apartments Project (P21-025), Attachment 3, Traffic Impact Study. December 10, 2021. Available at https://www.cityofsacramento.org/-/media/Corporate/Files/CDD/Planning/Environmental-Impact-Reports/NatomasFountainsApts_Final_Addendum_with_Attachments_Signed.pdf?la=en. Accessed March 17, 2023.

Construction activity can result in varying degrees of ground-borne vibration, depending on the type of soil, equipment, and methods employed. Operation of construction equipment can cause ground vibrations that spread through the ground and diminish in strength with distance. Buildings on the soil near the construction site respond to these vibrations with varying results, ranging from no perceptible effects at the lowest levels, low rumbling sounds and perceptible vibrations at moderate levels, and slight damage at the highest levels. While ground vibrations from construction activities do not often reach the levels that can damage structures, fragile buildings must receive special consideration.

There are no structures of historical significance in the vicinity of the proposed project alignment that would be impacted by the proposed project (refer to the Section 3.18, *Tribal Cultural Resources* for additional details about historic resources). However, sensitive receptors (i.e., future residences) are located as close as 132 feet from the proposed project site. Therefore, the analysis below uses a vibration threshold of 0.5 in/sec which is consistent with the FTA's construction vibration criteria for buildings of modern, conventional construction and the Caltrans-identified vibration level that could generate a distinctly perceptible human response to assess impacts.

Construction vibration may generate perceptible vibration when impact equipment (i.e., jack hammer, drill rig) or heavy earth moving equipment (i.e., front end loader, roller compactor, excavator) are used.

Based on groundborne vibration levels for standard types of construction equipment provided by the FTA, other than pile driving equipment, the use of a vibratory roller would be expected to generate the highest vibration levels. Vibratory rollers typically generate vibration levels of 0.210 in/sec PPV at a distance of 25 feet.[80] Even if such equipment operated as close as 25 feet from existing adjacent residences to the west of the project site, vibration levels would be less than the 0.5 in/sec PPV threshold. In addition, the operation of each piece of construction equipment at the project site would not be constant throughout the day, equipment would be operating at different locations within the project site and would not always be operating concurrently. Consequently, vibration levels during the majority of the construction period at the nearest receptors would be much lower. Project construction would be restricted to the hours of the day consistent with the Sacramento Municipal Code and reduce nuisance impacts from both construction noise and vibration by prohibiting such activity during sensitive time periods. Therefore, the project would have a **less-than-significant** impact with regard to ground-borne vibration during construction.

Operation

Once operational, the project would not include any sources of vibration. Therefore, there would be **no impact**.

80 FTA, Transit Noise and Vibration Impact Assessment Manual, September 2018.

c) ***No Impact.*** The nearest airfield to the project area is the Rio Linda Airport located approximately 3.7 miles to the northeast of the project site.[81] As a result, development allowed under the project would not expose people residing or working in the area to excessive noise levels from aircraft, and **no impact** would occur.

3.14 Population and Housing

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

Environmental Setting

The 2035 General Plan Master EIR projected that Sacramento's population would grow to approximately 640,400 residents by 2035.[82] This projection was influenced by a variety of factors, including employment opportunities and housing conditions and needs. Sacramento is expected to contain roughly 20 percent of the region's housing and nearly 30 percent of the region's jobs.

The proposed project site is currently vacant and undeveloped and is designated for commercial development as part of the Coral Business Center PUD.

Discussion

a) ***Less than Significant.*** The proposed project would introduce a gas station, convenience store, and car wash to the currently vacant project site. As the site is zoned SC-PUD, which allows for a gas station as conditional use, the proposed project would be consistent with planned population and housing growth proposed as part of the 2035 General Plan. The project would employ a very minimal number of people, and would not introduce any new residents to the area. Therefore, the impacts to population growth in the project area would be less than significant.

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[81] Sacramento County. 1992. Rio Linda Airport Comprehensive Land Use Plan (ACLUP). Drafted December 1988. https://www.sacog.org/sites/main/files/file-attachments/rio_linda_airport_clup_amend_dec_1992_-_93-018.pdf?1456339912.

[82] City of Sacramento, 2015. Draft Master Environmental Impact Report for the City of Sacramento 2035 General Plan Update, SCH#2012122006. P. 3-5.

b) ***No Impact.*** The proposed project site is currently vacant and undeveloped; as such, the proposed project would not displace existing residents or housing that would necessitate the construction of replacement housing elsewhere. The project would therefore not result in an impact that would displace existing residents or housing.

3.15 Public Services

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XV. PUBLIC SERVICES —				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following public services:				
i) Fire protection?	☐	☐	☒	☐
ii) Police protection?	☐	☐	☒	☐
iii) Schools?	☐	☐	☒	☐
iv) Parks?	☐	☐	☒	☐
v) Other public facilities?	☐	☐	☒	☐

Environmental Setting

The proposed project site is currently vacant and undeveloped but is located near existing and planned residential, commercial, retail, and industrial uses. The site is bordered by the Raley's Natomas Distribution Center to the north, Gateway Park Boulevard and retail uses to the east, an existing retail center bordering Gateway Park Boulevard and Truxel Road to the south, and the approved Natomas Fountains Apartments to the west. Consideration of the demand for public services and facilities resulting from the proposed project are discussed below.

Fire Protection Services

The Sacramento Fire Department (SFD) provides fire protection and emergency medical services to the entire City and some small areas just outside the City boundaries within the Sacramento County limits.

Police Protection Services

The Sacramento City Police Department (SPD) provides police protection services to the project site. In addition to the SPD, the Sacramento County Sheriff's Department, California Highway Patrol (CHP), UC Davis Police Department, and the Regional Transit Police Department aid the SPD to provide protection for the City.

Schools

The proposed project site falls within the Natomas Unified School District (NUSD). The NUSD operates 15 schools, with a total enrollment of 11,868 students.[83]

Library Services

The City of Sacramento operates 30 public libraries.[84] The library located closest to the project site is the North Natomas Library, located at 4660 Via Ingoglia Street about 1.4 miles northwest of the site.

Discussion

a.i-v) ***Less than Significant.*** The proposed project would introduce gas station, convenience store, and gas station uses to an already developed, commercial area. The project would not introduce any residents to the project area and would therefore not increase the demand for fire and police protection services in the area. Though the project would introduce a minimal number of new employees to the site, these employees would likely be existing City of Sacramento residents who are already accounted for in the consideration of demand for police and fire protection services and facilities. Further, as the demand for schools, parks, and library facilities is determined by the number of residents in a given area, the demand for such facilities would not be affected by the implementation of the proposed project. There would be no need for the construction of new facilities which could cause significant environmental impacts. As such, the impact would be less than significant.

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[83] Natomas Unified School District, 2023. "About Us." Available online: https://natomasunified.org/about-us/. Accessed January 24, 2023.

[84] City of Sacramento, Sacramento Public Library. 2023. "Locations." Available online: https://www.saclibrary.org/Locations. Accessed January 25, 2023.

3.16 Recreation

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

Environmental Setting

City of Sacramento parks facilities include 129 neighborhood parks, 56 community parks, 25 Regional/Citywide Specialty Parks, 14 Open Space areas, and 115 miles of shared-use paths.[85] The project site is currently vacant and undeveloped. At present, there are no neighborhood, local, or regional parks or bikeways existing on the site. The closest parks to the project site include Linden Park approximately 0.45 miles west, Fong Ranch Park approximately 0.6 miles southeast, and Tanzanite Community Park approximately 0.7 miles southwest.

Discussion

a-b) ***Less than Significant.*** The project would not introduce a new residential population to the project area because no residential uses are proposed. Employees are expected to use park facilities at a lesser rate than residents. Within the Central City, workers are expected to use Neighborhood parks about 5 percent as much as local residents and are expected to use Community and Citywide parks and facilities about 20 percent as much as local residents. Within the Remaining City, workers are not expected to use Neighborhood parks (which are typically designed to serve local residents only), but are expected to use Community and Citywide parks and facilities about 20 percent as much as local residents (PIF Nexus Study 2017). Though the project would introduce a minimal number of new employees to the site, these employees would likely be existing City of Sacramento residents who are already accounted for in the consideration of demand for parks and recreational facilities. Therefore, the project is not anticipated to result in increased use of existing parks and recreational facilities such that substantial physical deterioration would occur or be accelerated or require the construction of new recreational facilities or expansion of existing recreational facilities. Therefore, the anticipated development at the project site would result in less-than-significant impacts related to recreation.

[85] City of Sacramento, 2023. "Sacramento Parks." Available online: https://www.cityofsacramento.org/ParksandRec/Parks. Accessed January 25, 2023.

3.17 Transportation

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

Environmental Setting

The project site is located in the North Natomas area and is bounded by Gateway Park Boulevard to the east, Raley's Drive Way to the north, and North Freeway Boulevard to the south. The project proposes a gas station with car wash and convenience store uses on a vacant project site. The proposed project is expected to access the surrounding roadway network via the project's primary access point to the south side of the site where a private driveway extends from the intersection of Gateway Park Boulevard and North Freeway Boulevard to Truxel Road.

Discussion

a) ***Less than Significant.*** There are currently dedicated bicycle and pedestrian facilities along Gateway Park Boulevard, North Freeway Boulevard, and Truxel Road. The project would not implement any roadway improvements that would affect these facilities or any transit facilities. The proposed project would construct pedestrian facilities that would connect project components to the existing and planned pedestrian facilities along Gateway Park Boulevard and along the private driveway to the west of the project site. Operation of the proposed project would not conflict with the project site's surrounding roadway network. Further, construction of the proposed project would be consistent with adopted general plan goals and policies. Construction traffic is not anticipated to affect the traffic operations of the project area. The project does not conflict with the City of Sacramento's policies related bicycle and pedestrian connectivity and regional plans related to transit. The impact would be less than significant.

b) ***Less than Significant.*** As part of the statewide implementation of Senate Bill (SB) 743, the Governor's Office of Planning and Research (OPR) settled upon automobile vehicle miles of travel (VMT) as the preferred metric for assessing passenger vehicle-related impacts under CEQA and issued revised CEQA Guidelines in December 2018, along with a Technical Advisory on Evaluating Transportation Impacts in CEQA to assist practitioners in implementing the CEQA *Guidelines* revisions. The CEQA *Guidelines*

and the OPR Technical Advisory concluded that, absent substantial evidence otherwise, the addition of 110 or fewer daily trips could be presumed to have a less-than-significant VMT impact. As this number would thus be less than 110, the impact would be less than significant.

The majority of trips that would occur from operation of the proposed project would consist of existing vehicles taking a short detour from their route to visit the project site in the form of a pass-by trip. New trips generated by the proposed project would be for employment uses, in which case only a small number of employees will take daily trips to the project site.

Because new retail development often redistributes trips rather than creating new travel demand, the OPR guidance recommends that lead agencies analyze the net change in VMT to indicate the transportation impact of retail projects.[86] The potential for VMT impacts, according to this approach, hinges on whether the project can be considered local-serving or regional. By adding retail opportunities within existing neighborhoods, local-serving retail projects can shorten trips and reduce overall VMT. In contrast, regional destination retail projects would draw customers from larger trade areas, potentially substituting for shorter trips and increasing VMT. The OPR guidance suggests that any retail projects including stores larger than 50,000 square feet might be considered regional serving retail. The proposed convenience store would be approximately 3,349 square feet, which fits the OPR classification of a local-serving project. To further this interpretation, there are 14 gas stations with convenience stores within a 2-mile radius of the project site, including 2 other ARCO am/pm locations. Thus, non-pass-by trips to the project would be anticipated to primarily originate from nearby locations as there are a variety of similar services provided in the project vicinity. For these reasons, VMT impacts associated with the proposed project would be less than significant.

c) ***Less than Significant.*** The proposed project does not introduce any geometrical or other design feature that would substantially increase hazards related to roadway geometrics. The project would be developed on an existing vacant project site. The project would not expand the site and would therefore not interfere with adjacent development. The site will allow for efficient circulation and access to all project components, and the impact would therefore be less than significant.

d) ***Less than Significant.*** The proposed project will be designed to accommodate vehicle traffic through the private driveway which will be constructed as an access point on the southern portion of the site. Further, the proposed project is designed for efficient vehicle circulation through the car wash, gas station, and convenience store uses onsite. Emergency vehicles would thus be able to access all areas of the project site in a timely manner. The project area is surrounded by heavily traveled roadways on all sides, facilitating emergency vehicle access from all directions. The proposed project would

[86] Governor's Office of Planning and Research, 2018. Technical Advisory on Evaluating Transportation Impacts in CEQA. Pages 15-16.

have adequate emergency access to and through the project site and would not impede emergency access on adjacent roadways. Therefore, the impact to emergency access is less than significant.

3.18 Tribal Cultural Resources

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

Environmental Setting

This section analyzes and evaluates the potential impacts of the project on tribal cultural resources, both identified and undiscovered. Tribal cultural resources, as defined by Assembly Bill (AB) 52, Statutes of 2014, in Public Resources Code (PRC) Section 21074, are sites, features, places, cultural landscapes, sacred places and objects, with cultural value to a Tribe. A tribal cultural landscape is defined as a geographic area (including both cultural and natural resources and the wildlife therein), associated with a historic event, activity, or person or exhibiting other cultural or aesthetic values.

The unanticipated find of Native American human remains would also be considered a tribal cultural resource and are therefore analyzed in this section.

The proposed project area is situated within the lands traditionally occupied by the Valley Nisenan, or Southern Maidu. Many descendants of Valley Nisenan throughout the larger Sacramento region belong to the United Auburn Indian Community, Shingle Springs, Ione Band,

Colfax-Todds Valley, and Wilton Rancheria Tribes. The Tribes actively participate in the identification, evaluation, preservation, and restoration of Tribal cultural resources.

The United Auburn Indian Community (UAIC) is a federally recognized Tribe comprised of both Miwok and Maidu (Nisenan) Tribal members who are traditionally and culturally affiliated with the project area. The Tribe has a deep spiritual, cultural, and physical ties to their ancestral land and are contemporary stewards of their culture and landscapes. The Tribal community represents a continuity and endurance of their ancestors by maintaining their connection to their history and culture. It is the Tribe's goal to ensure the preservation and continuance of their cultural heritage for current and future generations.

Discussion

a.i/ii) ***Impact. Less than Significant with Mitigation.*** Tribal cultural resources are: 1) sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are listed, or determined to be eligible for listing in the California Register of Historical Resources (California Register), or local register of historical resources, as defined in PRC Section 5020.1(k); or, 2) a resource determined by the lead CEQA agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in PRC Section 5024.1(c). For a cultural landscape to be considered a tribal cultural resource, it must be geographically defined in terms of the size and scope of the landscape (PRC Section 21074[b]). A historical resource, as defined in PRC Section 21084.1, unique archaeological resource, as defined in PRC Section 21083.2(g), or non-unique archaeological resource, as defined in PRC Section 21083.2(h), may also be a tribal cultural resource.

Through background research at the North Central Information Center of the California Historical Resources Information System and a survey, no known archaeological resources that could be considered tribal cultural resources, listed, or determined eligible for listing in the California Register, or included in a local register of historical resources as defined in PRC Section 5020.1(k), pursuant to PRC Section 21074(a)(1), would be impacted by the project.

According to the provision of PRC Section 21080.3.1, four Native American tribes have requested to receive notification for consultation on projects in the jurisdiction of the City of Sacramento. Notification was provided on August 16, 2022, to each of the tribes that had previously requested to receive such notification. No tribe responded to the notification in compliance with PRC Section 21080.3.1c. Even without specific input from the tribes, subsurface tribal cultural resources have the potential to be found on-site during grading and construction activities. Due to the predominant historic theme of the region as a whole, which includes thousands of years of occupation by Native American groups prior to non-Native peoples settling in the region, the possibility exists that unknown resources could be encountered during grading and excavation activities associated with development of the project. Therefore, the proposed project could have a potentially significant impact related to pre-contact tribal cultural resources. However, with implementation of **Mitigation Measure TCR-1** and **Mitigation Measure TCR-2**,

in addition to the implementation of **Mitigation Measure TCR-3** as described below, the effect can be mitigated to **less than significant**.

If any previously unrecorded archaeological resource were identified during ground-disturbing construction activities and were found to qualify as a tribal cultural resource pursuant to PRC Section 21074(a)(1) (determined to be eligible for listing in the California Register or in a local register of historical resources), any impacts to the resource resulting from the project could be potentially significant. Any such potential significant impacts would be reduced to a less-than-significant level by implementing **Mitigation Measure TCR-3**. This mitigation measure would ensure that work halt in the vicinity of a find until a qualified archaeologist can make an assessment and provide additional recommendations if necessary, including contacting Native American tribes (refer to Section 3.5, *Cultural Resources*).

Mitigation MeasuresTCR-1: In the Event that Tribal Cultural Resources are Discovered During Construction, Implement Procedures to Evaluate Tribal Cultural Resources and Implement Avoidance and Minimization Measures to Avoid Significant Impact.

If tribal cultural resources (such as structural features, unusual amounts of bone or shell, artifacts, or human remains) are encountered at the project site during construction, work shall be suspended within 100 feet of the find (based on the apparent distribution of cultural materials), and the construction contractor shall immediately notify the project's City representative. Avoidance and preservation in place is the preferred manner of mitigating impacts to tribal cultural resources. This will be accomplished, if feasible, by several alternative means, including:

- Planning construction to avoid tribal cultural resources, archaeological sites and/or other cultural resources; incorporating cultural resources within parks, green-space or other open space; covering archaeological resources; deeding a cultural resource to a permanent conservation easement; or other preservation and protection methods agreeable to consulting parties and regulatory authorities with jurisdiction over the activity.

- Recommendations for avoidance of tribal cultural resources will be reviewed by the City representative, interested culturally affiliated Native American tribes and other appropriate agencies, in light of factors such as costs, logistics, feasibility, design, technology and social, cultural and environmental considerations, and the extent to which avoidance is consistent with project objectives. Avoidance and design alternatives may include realignment within the project site to avoid tribal cultural resources, modification of the design to eliminate or reduce impacts to tribal cultural resources or modification or realignment to avoid highly significant features within a cultural resource or tribal cultural resource.

- Native American representatives from interested culturally affiliated Native American tribes will be notified to review and comment on these analyses and

shall have the opportunity to meet with the City representative and its representatives who have technical expertise to identify and recommend feasible avoidance and design alternatives, so that appropriate and feasible avoidance and design alternatives can be identified.

- If the discovered tribal cultural resource can be avoided, the construction contractor(s), will install protective fencing outside the site boundary, including a 100-foot buffer area, before construction restarts. The boundary of a tribal cultural resource will be determined in consultation with interested culturally affiliated Native American tribes and tribes will be notified to monitor the installation of fencing. Use of temporary and permanent forms of protective fencing will be determined in consultation with Native American representatives from interested culturally affiliated Native American tribes.

- The construction contractor(s) will maintain the protective fencing throughout construction to avoid the site during all remaining phases of construction. The area will be demarcated as an "Environmentally Sensitive Area".

If a tribal cultural resource cannot be avoided, the following performance standard shall be met prior to continuance of construction and associated activities that may result in damage to or destruction of tribal cultural resources:

- Each resource will be evaluated for California Register of Historical Resources (California Register)-eligibility through application of established eligibility criteria (California Code of Regulations 15064.636), in consultation with consulting Native American Tribes, as applicable.

If a tribal cultural resource is determined to be eligible for listing in the California Register, the City will avoid damaging effects to the resource in accordance with PRC Section 21084.3, if feasible. The City shall coordinate the investigation of the find with a qualified archaeologist (meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology) approved by the City and with interested culturally affiliated Native American tribes that respond to the City's notification. As part of the site investigation and resource assessment, the City and the archaeologist shall consult with interested culturally affiliated Native American tribes to assess the significance of the find, make recommendations for further evaluation and treatment as necessary and provide proper management recommendations should potential impacts to the resources be determined by the City to be significant. A written report detailing the site assessment, coordination activities, and management recommendations shall be provided to the City representative by the qualified archaeologist. These recommendations will be documented in the project record. For any recommendations made by interested culturally affiliated Native American tribes that are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

Native American representatives from interested culturally affiliated Native American Tribes and the City representative will also consult to develop measures for long-term management of any discovered tribal cultural resources. Consultation will be limited to actions consistent with the jurisdiction of the City and taking into account ownership of the subject property. To the extent that the City has jurisdiction, routine operation and maintenance within tribal cultural resources retaining tribal cultural integrity shall be consistent with the avoidance and minimization standards identified in this mitigation measure.

If the City determines that the project may cause a significant impact to a tribal cultural resource, and measures are not otherwise identified in the consultation process, the following are examples of mitigation capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to the resource. These measures may be considered to avoid or minimize significant adverse impacts and constitute the standard by which an impact conclusion of less-than significant may be reached:

- Avoid and preserve resources in place, including, but not limited to, planning construction to avoid the resources and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

- Treat the resource with culturally appropriate dignity, taking into account the Tribal cultural values and meaning of the resource, including, but not limited to, the following:

    - Protect the cultural character and integrity of the resource.
    - Protect the traditional use of the resource.
    - Protect the confidentiality of the resource.
    - Establish permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or using the resources or places.
    - Rebury the resource in place.
    - Protect the resource.

Mitigation Measure TCR-2: Implement Procedures in the Event of the Inadvertent Discovery of Native American Human Remains.

If an inadvertent discovery of human remains is made at any time during project-related construction activities or project planning, the City the following performance standards shall be met prior to implementing or continuing actions such as construction, which may result in damage to or destruction of human remains. In accordance with the California Health and Safety Code (HSC), if human remains are encountered during ground-disturbing activities, the City shall immediately halt

potentially damaging excavation in the area of the remains and notify the Sacramento County Coroner and a professional archaeologist to determine the nature of the remains. The Coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or State lands (HSC Section 7050.5[b]).

If the human remains are of historic age and are determined to be not of Native American origin, the City will follow the provisions of the HSC Section 7000 (et seq.) regarding the disinterment and removal of non-Native American human remains.

If the Coroner determines that the remains are those of a Native American, he or she must contact the Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (HSC Section 7050[c]). After the Coroner's findings have been made, the archaeologist and the NAHC-designated Most Likely Descendant (MLD), in consultation with the landowner, shall determine the ultimate treatment and disposition of the remains. The responsibilities of the City for acting upon notification of a discovery of Native American human remains are identified in California PRC Section 5097.9 et seq.

Mitigation Measure TCR-3: Treatment of Archeological Resources

Implement Mitigation Measure CUL-1.

3.19 Utilities and Service Systems

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XIX. UTILITIES AND SERVICE SYSTEMS — Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Environmental Setting

Water Supply

The City of Sacramento provides domestic water service within City limits through a combination of surface water and groundwater sources, including the American River, the Sacramento River, and wells which pump in groundwater from the North and South American Subbasins.[87] Water from the American and Sacramento Rivers is diverted by two water treatment plants: the Sacramento River Water Treatment Plant and the E.A. Fairbairn Water Treatment Plant. Following treatment, water diverted from the American and Sacramento Rivers is stored in reservoirs and pumped to customers via an existing conveyance utility network. The proposed project site would be situated within the City of Sacramento Retail Water Service Area.[88]

California Water Code requires that urban water suppliers prepare and adopt an Urban Water Management Plan (UWMP) every five years. The most recent UWMP for the City of Sacramento is the 2020 Urban Water Management Plan, which considers water demand for the City under normal, single dry year, and five consecutive dry year scenarios. Water supply and demand projections include anticipated future development through 2045.

Wastewater and Stormwater

The Sacramento Area Sewer District (SASD) would be responsible for providing local sewer service to the proposed project site via its local sanitary sewer collection system. Sacramento Regional County Sanitation District (Regional San) would be responsible for the conveyance of wastewater from the SASD collection system to the Sacramento Regional Wastewater Treatment Plant (SRWTP).

Storm water drainage for the proposed project site and its vicinity would be collected by storm drain systems owned and managed by the City of Sacramento, and subsequently pumped into nearby rivers, creeks, and drainages.

Solid Waste

The City of Sacramento collects all residential solid waste within the City limits; solid waste collected in the northern portion of the city is transported to the Sacramento County North Area Recovery Station (NARS) before being transferred to the Sacramento County Kiefer Landfill.

[87] City of Sacramento, 2015. *City of Sacramento 2035 General Plan Background Report.* Adopted March 3, 2015. P. 4-25.

[88] City of Sacramento, 2021. *2020 Urban Water Management Plan: Final Report.* Published June 2021. Pp. 3-4 to 3-5.

Refuse and garden refuse are collected on a weekly basis, with curbside recycling collected every other week.[89]

Electricity and Natural Gas

The Sacramento Municipal Utility District (SMUD) is responsible for the generation, transmission, and distribution of electrical power to its 900 square mile service area, which includes most of Sacramento County (including the project site and vicinity), and a small portion of Placer County. SMUD buys and sells energy and capacity on a short-term basis to meet load requirements and reduce costs. The Pacific Gas & Electric Company (PG&E) provides natural gas service to residents and businesses within the City of Sacramento, including the project site and vicinity.

Discussion

a) ***Less than Significant.*** Existing utilities infrastructure would within Gateway Park Boulevard and to the south of the project site would be accessed to serve the proposed project.

Water Infrastructure

Water supply would be provided by the City of Sacramento local water service systems. As part of routine conditions of approval, a water study would be required in order to inform the final design of the water distribution system that would supply potable water and fire flow to the project site. The City of Sacramento has not identified existing capacity as a constraining factor in development of the proposed project; as such, this impact would be less than significant.

Stormwater Infrastructure

The proposed project would implement a drainage plan which would connect to the existing drainage system at the southern portion of the site at North Freeway Boulevard. Proposed storm drainpipes, catch basins, and drain cleanouts would ensure that the project site accounts for its future drainage needs. Design of the proposed project would comply with Section 15.88.010 of the Sacramento City Code, which prohibits development of the proposed project should the project obstruct, impede, or interfere with the natural flow of existing off-site drainage crossing the proposed project site. Grading of the proposed project site would not occur prior to the review and approval of a project-specific grading plan by the DOU. Any required stormwater drainage infrastructure would be constructed in compliance with the standards, regulations, and design guidelines of the Department of Utilities Onsite Design Manual,[90] the Sacramento Region Stormwater Quality Design Manual,[91] the City of Sacramento Stormwater Collection Systems,[92] and with applicable goals and policies of the 2035 General Plan. Post-

89 City of Sacramento, 2014. *Draft Master Environmental Impact Report for the City of Sacramento 2035 General Plan Update, SCH#20121220006*. P. 4.11-17.

90 City of Sacramento Department of Utilities, 2020. *Onsite Design Manual for Onsite Drainage, Sewer, Water, Stormwater Quality and Erosion and Sediment Control.* Published May 1, 2020.

91 Cities of Citrus Heights, Elk Grove, Folsom, Galt, Rancho Cordova, and Sacramento and County of Sacramento, 2018. *Stormwater Quality Design Manual for the Sacramento Region.* Published July 2018.

92 City of Sacramento, 2018. *City of Sacramento Design and Procedures Manual*, *Section 11.* Published July 24, 2018.

construction stormwater quality control measures to minimize additional urban runoff resulting from the proposed project would be incorporated into the development, including certified full capture trash control devices in accordance with the requirements of the Sacramento Region Stormwater Quality Design Manual. Compliance with Sacramento City Code regulations, 2035 General Plan policies, and applicable design standards and guidelines, in addition to implementation of construction and post-construction mitigation proposed by the site-specific drainage study required by the DOU would therefore result in a less-than-significant impact to stormwater infrastructure resulting from the proposed project.

Wastewater Infrastructure

Sewer connections from public mains to the proposed project site would be provided by the SASD local sanitary sewer collection system. Construction of this sewer infrastructure would adhere to current SASD Standards and Specifications for public sewer construction or modification and would be reflected on improvement plans prior to the approval of such plans. Additionally, the project applicant would be required to pay sewer impact fees prior to the issuance of building permits to alleviate sewer impact and connection costs. These considerations would result in a less-than-significant impact on sewer infrastructure following construction and operation of the proposed project.

Dry Utilities Infrastructure

Construction of the project would result in increased use of electricity and natural gas. Both utility providers would install new distribution facilities, as needed, according to California Public Utilities Commission rules. Thus, PG&E and SMUD would ensure their capability to provide an adequate level of service to the project site, and this impact would be less than significant.

b) ***Less than Significant.*** The proposed project would consume approximately 300,000 gallons of water annually. The 2020 UWMP projects that the City of Sacramento's water supply for the year 2045 will include 29,155 acre-feet (AF) of groundwater and 326,800 AF of surface water,[93] and that future water supplies available to the City through the year 2045 would be approximately 350,200 AF.[94] The 2020 UWMP also anticipates that the City's water supply would exceed projected demand during five consecutive dry years through 2045, with a fifth year projected retail supply of 350,200 AF and an expected demand of 151,764 AF. This difference between supply and demand would result in a 198,436 AF surplus in 2045 during drought.[95] The proposed project is on a project site that has been anticipated to be developed pursuant to buildout of the 2035 General Plan. Therefore, water demand from the project is included in the assumed future demand of the 2020 UWMP and would have a less than significant impact related to water supply.

[93] City of Sacramento, 2021. *2020 Urban Water Management Plan: Draft Report.* Published May 2021. Pp. 6-8 to 6-12.

[94] City of Sacramento, 2021. *2020 Urban Water Management Plan: Draft Report.* Published May 2021. Pp. 6-26.

[95] City of Sacramento, 2021. *2020 Urban Water Management Plan: Draft Report.* Published May 2021. Pp. 7-13.

c) ***Less than Significant.*** The project site would be served by the Sacramento Area Sewer District (SASD) and the Sacramento Regional County Sanitation District (Regional San). The SRCSD has a program in place to continually evaluate demand/capacity needs, and its master planning effort provides the flexibility to respond to changes in demand that can be anticipated in advance of planned improvements so that capacity issues are addressed in a timely and cost-effective manner. Master planning efforts that would identify necessary improvement in capacity to accommodate city growth beyond the 2020 Master Plan timeframe would be initiated well in advance of 2035. To fund expansions to the conveyance systems, the SRCSD requires a regional connection fee be paid to the District for any users connecting to or expanding sewer collection systems (SRCSD Ordinance No. SRCSD-0043). Therefore, because there are established plans and fee programs in place as well as proposed policies to increase conveyance capacity in response to demand, the impact would be less than significant.

d) ***Less than Significant.*** As described, the City provides solid waste and recycling collection and disposal services to the project site. Waste generated by the proposed project would be collected and transported to local landfills by the City and/or private haulers, and either recycled in accordance with City programs and requirements or landfilled at the Kiefer Landfill. The Kiefer Landfill currently has approximately 113 million cubic yards in available capacity.[96] Waste from the proposed project would represent a fraction of a percentage of the available capacity from this facility. Because there would be no need to expand or create new landfill or solid waste management facilities, there would be no related physical environmental effects. The impact would therefore be less than significant.

e) ***Less than Significant.*** The proposed project would comply with applicable federal, state, and local management and reduction statuses and regulations related to solid waste. Solid waste collection for the proposed project would be subject to Chapter 1, Subchapter 1, Parts 239 through 259 of Title 40 of the Code of Federal Regulations (CFR), which include regulations pertaining to solid waste. The proposed project would also be subject to applicable policies for solid waste management within the 2035 General Plan. The proposed project would also comply with implementation programs for state and local solid waste reduction goals; as such, the impact of the proposed project on solid waste management regulations and reduction statuses would be less than significant.

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[96] California Department of Resources Recycling and Recovery (CalRecycle), 2019. Facility/Site Summary Details: Sacramento County Landfill (Kiefer) (34-AA-0001). Available online at https://www2.calrecycle.ca.gov/SolidWaste/Site/Details/2507. Accessed February 24, 2023.

3.20 Wildfire

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

Environmental Setting

The project site and project area are not located in a Very High Fire Hazard Severity Zone (VHFHSZ) as mapped by the California Department of Forestry and Fire Protection (CAL FIRE).[97] The project site is located within the City of Sacramento's Fire Department service area.

Discussion

a) ***Less than Significant.*** The City of Sacramento has an Emergency Operations Plan, and the City's Fire Department has a hazardous materials incident response team that works in coordination with other regional and state agencies in the event of a major emergency (General Plan Policy PHS 4.1.1). As discussed previously under *Hazards and Hazardous Materials*, Sacramento County has developed an Area Plan for Emergency Response to Hazardous Materials Incidents and a Local Hazard Mitigation Plan. Construction and operation of the proposed project would not affect or substantially impair an adopted emergency response plan or emergency evacuation plan. It is not anticipated that implementation of the proposed project would cause a similar level of temporary closures as could be the case during the construction of large projects. Further, the project site is in a developed area with a substantial roadway network, and a Traffic Management Plan would be required if determined to be necessary by the City for the proposed project construction activities to reduce major congestion problems.

Compliance with the Traffic Management Plan review and approval by the City's Public Works Department would minimize the proposed project's potential for construction

[97] CAL FIRE, 2023. FHSZ Viewer. Available online: https://egis.fire.ca.gov/FHSZ/. Accessed February 1, 2023.

impacts to interfere with an emergency response or emergency evacuation plan, and the impact would be less than significant.

b) ***Less than Significant.*** The proposed project site is flat, vacant, and surrounded by urban development. The site is not near any existing forests or slopes that are vegetated with potential for wildfires. There are no site or project characteristics such as slope, prevailing winds, and other factors that would exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of wildfire. Therefore, the impact would be less than significant.

c) ***Less than Significant.*** Proposed project implementation would not require the installation of new roads or power lines, and any proposed utilities such as water, waste, and electrical facilities would comply with the regulations described under Impact (a) above. Compliance with relevant local hazard mitigation plans, as well as the project site's location in an area not designated as a Very High Fire Hazard Severity Zone, would ensure that no proposed project infrastructure would exacerbate fire risk or result in any temporary or ongoing impacts to the environment. The City of Sacramento's Fire Department would be able to adequately respond to events at the project site, and the impact would be less than significant.

d) ***Less than Significant.*** The proposed project site is not in a general area located downslope or downstream to experience post wildfire secondary effects such as flooding, landslides, or post-fire slope collapse and drainage changes. While construction activities occurring during the dry season have the potential to create sparks that could ignite dry grasses and weeds in the project area or project site, this risk is similar to that found at other construction sites and ongoing vegetation management practices would ensure that wildland fires would be unlikely to occur. The proposed project would not expose gas station and convenience store employees and customers to significant risks, and the impact would thus be less than significant.

3.21 Mandatory Findings of Significance

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

Discussion

a, c) ***Less than Significant with Mitigation.*** As discussed earlier in Section 3.4, *Biological Resources*, the proposed project would not degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species or cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or substantially reduce the number or restrict the range of a rare or endangered plant or animal. For additional discussion, please refer to the impact analysis in Section 3.4, *Biological Resources*. Mitigation Measure BIO-1 requires the avoidance, minimization, and mitigation for nesting birds and requires a pre-construction survey. Implementation of this measure would ensure no substantial loss of wildlife.

There are no historic resources on site and potential archaeological resources if uncovered during construction would be subject to the mitigation measures identified in Section 3.5, *Cultural Resources*.

b) ***Less than Significant.*** Consideration of the proposed project-related impacts along with, or in combination with other project-related impacts are defined as cumulative impacts. As discussed in various sections, the proposed project has potential impacts related to construction. These are short-term in nature and therefore, considered to be temporary impacts. All of the potential direct and indirect impacts of the proposed project were determined to be fully avoided or a less-than-significant level. Other projects in the vicinity of the proposed project would be also subject to the City of Sacramento General Plan policies, codes, regional requirements similar to that applicable to the proposed project. As a result, the potential impacts of the proposed project are not considered cumulatively considerable, and impacts would be less than significant.

Therefore, these cumulative impacts would be mitigated to a less-than-significant level; therefore, cumulative effects are not considered a significant impact.

c) ***Less than Significant with Mitigation.*** All potential environmental impacts identified in support of the proposed project would either be minimal or reduced to a less-than-significant level with mitigation. The project site does not contain any hazards or known to have any sensitive biological and cultural resources. The proposed project would result in air quality and noise impacts that may impact future residents of the approved Natomas Fountains project, to be constructed immediately west of the project site. However, each of those potentially significant impacts would be reduced to less than significant levels with the implementation of identified mitigation measures.

Appendix A
Air Quality and Greenhouse Gas Emissions

A-1 CalEEMod Output

Natomas ARCO v2 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Natomas ARCO v2
Lead Agency	City of Sacramento
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	37.6
Location	38.64027603558213, -121.5031982940808
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	600
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric

1.2. Land Use Types

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

Convenience Market with Gas Pumps	16.0	Pump	0.05	2,259	0.00	—	—	CalEEMod says it will multiply number of pumps x2 for number of fuel positions for use in operation trips, but it does not. So 16 pumps entered here instead of 8.
Automobile Care Center	1.15	1000sqft	0.03	1,152	0.00	—	—	Car wash
Parking Lot	21.1	1000sqft	0.48	0.00	5,817	—	—	From RFI

1.3. User-Selected Emission Reduction Measures by Emissions Sector

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

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.82	6.05	6.82	8.63	0.01	0.32	0.18	0.39	0.30	0.04	0.30	—	1,563	1,563	0.06	0.02	0.83	1,569
Mit.	0.35	5.94	2.14	9.79	0.01	0.06	0.18	0.24	0.06	0.04	0.10	—	1,563	1,563	0.06	0.02	0.83	1,569
% Reduced	57%	2%	69%	-13%	—	81%	—	39%	81%	—	67%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	3.15	2.57	25.9	24.0	0.05	1.14	4.61	5.75	1.05	2.11	3.16	—	4,780	4,780	0.25	0.20	0.07	4,846
Mit.	0.53	0.43	3.88	22.3	0.05	0.09	4.61	4.69	0.09	2.11	2.20	—	4,780	4,780	0.25	0.20	0.07	4,846
% Reduced	83%	83%	85%	7%	—	92%	—	18%	92%	—	30%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.28	0.32	2.31	2.87	< 0.005	0.11	0.03	0.14	0.10	0.01	0.11	—	521	521	0.02	0.01	0.02	523
Mit.	0.05	0.14	0.30	3.22	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	521	521	0.02	0.01	0.02	523
% Reduced	81%	57%	87%	-12%	—	91%	—	70%	90%	—	79%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.05	0.06	0.42	0.52	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	86.3	86.3	< 0.005	< 0.005	< 0.005	86.6
Mit.	0.01	0.03	0.06	0.59	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	86.3	86.3	< 0.005	< 0.005	< 0.005	86.6
% Reduced	81%	57%	87%	-12%	—	91%	—	70%	90%	—	79%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.82	6.05	6.82	8.63	0.01	0.32	0.18	0.39	0.30	0.04	0.30	—	1,563	1,563	0.06	0.02	0.83	1,569
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.15	2.57	25.9	24.0	0.05	1.14	4.61	5.75	1.05	2.11	3.16	—	4,780	4,780	0.25	0.20	0.07	4,846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	0.28	0.32	2.31	2.87	< 0.005	0.11	0.03	0.14	0.10	0.01	0.11	—	521	521	0.02	0.01	0.02	523
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.05	0.06	0.42	0.52	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	86.3	86.3	< 0.005	< 0.005	< 0.005	86.6

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.35	5.94	2.14	9.79	0.01	0.06	0.18	0.24	0.06	0.04	0.10	—	1,563	1,563	0.06	0.02	0.83	1,569
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.53	0.43	3.88	22.3	0.05	0.09	4.61	4.69	0.09	2.11	2.20	—	4,780	4,780	0.25	0.20	0.07	4,846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.05	0.14	0.30	3.22	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	521	521	0.02	0.01	0.02	523
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.01	0.03	0.06	0.59	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	86.3	86.3	< 0.005	< 0.005	< 0.005	86.6

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	13.1	4.37	34.6	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,627	3,634	1.23	0.36	480	4,250

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.6	11.2	5.04	42.7	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,396	3,403	1.43	0.40	469	4,025
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.7	11.3	4.67	36.5	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,437	3,444	1.32	0.37	473	4,061
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.13	2.06	0.85	6.66	0.01	0.01	0.16	0.17	0.01	0.03	0.04	1.16	569	570	0.22	0.06	78.4	672

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.4	13.0	4.36	34.5	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,454	3,454	0.61	0.35	11.5	3,586
Area	0.03	0.11	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.61	0.61	< 0.005	< 0.005	—	0.61
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	171	171	0.01	< 0.005	—	171
Water	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Waste	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	13.4	13.1	4.37	34.6	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,627	3,634	1.23	0.36	480	4,250
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.6	11.1	5.02	42.7	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,223	3,223	0.82	0.39	0.30	3,361
Area	0.00	0.08	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	171	171	0.01	< 0.005	—	171
Water	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Waste	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	11.6	11.2	5.04	42.7	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,396	3,403	1.43	0.40	469	4,025
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.6	11.2	4.65	36.4	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,264	3,264	0.71	0.37	4.94	3,396
Area	0.02	0.10	< 0.005	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.42	0.42	< 0.005	< 0.005	—	0.42
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	171	171	0.01	< 0.005	—	171
Water	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Waste	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	11.7	11.3	4.67	36.5	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,437	3,444	1.32	0.37	473	4,061
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.12	2.05	0.85	6.64	0.01	0.01	0.16	0.17	0.01	0.03	0.04	—	540	540	0.12	0.06	0.82	562
Area	< 0.005	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.07	0.07	< 0.005	< 0.005	—	0.07
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.3	28.3	< 0.005	< 0.005	—	28.4
Water	—	—	—	—	—	—	—	—	—	—	—	0.17	0.24	0.40	< 0.005	< 0.005	—	0.52
Waste	—	—	—	—	—	—	—	—	—	—	—	1.00	0.00	1.00	0.10	0.00	—	3.49
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.5	77.5
Total	2.13	2.06	0.85	6.66	0.01	0.01	0.16	0.17	0.01	0.03	0.04	1.16	569	570	0.22	0.06	78.4	672

2.6. Operations Emissions by Sector, Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.4	13.0	4.36	34.5	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,454	3,454	0.61	0.35	11.5	3,586
Area	0.03	0.11	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.61	0.61	< 0.005	< 0.005	—	0.61
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	171	171	0.01	< 0.005	—	171
Water	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Waste	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	13.4	13.1	4.37	34.6	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,627	3,634	1.23	0.36	480	4,250
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.6	11.1	5.02	42.7	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,223	3,223	0.82	0.39	0.30	3,361
Area	0.00	0.08	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	171	171	0.01	< 0.005	—	171
Water	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Waste	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	11.6	11.2	5.04	42.7	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,396	3,403	1.43	0.40	469	4,025
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.6	11.2	4.65	36.4	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,264	3,264	0.71	0.37	4.94	3,396
Area	0.02	0.10	< 0.005	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.42	0.42	< 0.005	< 0.005	—	0.42
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	171	171	0.01	< 0.005	—	171
Water	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Waste	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	11.7	11.3	4.67	36.5	0.03	0.04	0.88	0.92	0.04	0.16	0.19	7.02	3,437	3,444	1.32	0.37	473	4,061

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.12	2.05	0.85	6.64	0.01	0.01	0.16	0.17	0.01	0.03	0.04	—	540	540	0.12	0.06	0.82	562
Area	< 0.005	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.07	0.07	< 0.005	< 0.005	—	0.07
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.3	28.3	< 0.005	< 0.005	—	28.4
Water	—	—	—	—	—	—	—	—	—	—	—	0.17	0.24	0.40	< 0.005	< 0.005	—	0.52
Waste	—	—	—	—	—	—	—	—	—	—	—	1.00	0.00	1.00	0.10	0.00	—	3.49
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.5	77.5
Total	2.13	2.06	0.85	6.66	0.01	0.01	0.16	0.17	0.01	0.03	0.04	1.16	569	570	0.22	0.06	78.4	672

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	0.50	4.60	5.56	0.01	0.24	—	0.24	0.22	—	0.22	—	858	858	0.03	0.01	—	861
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.70	4.70	< 0.005	< 0.005	—	4.72
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.4	51.4	< 0.005	< 0.005	0.01	52.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.05	0.72	0.01	0.02	0.26	0.27	0.02	0.07	0.09	—	1,021	1,021	0.10	0.16	0.06	1,073
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.60	5.60	< 0.005	< 0.005	0.01	5.88
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.97

3.2. Site Preparation (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.42	5.99	0.01	0.02	—	0.02	0.02	—	0.02	—	858	858	0.03	0.01	—	861
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.70	4.70	< 0.005	< 0.005	—	4.72
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.4	51.4	< 0.005	< 0.005	0.01	52.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.05	0.72	0.01	0.02	0.26	0.27	0.02	0.07	0.09	—	1,021	1,021	0.10	0.16	0.06	1,073
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.60	5.60	< 0.005	< 0.005	0.01	5.88
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.97

3.3. Grading (2024) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	1.98	19.2	17.0	0.03	0.88	—	0.88	0.81	—	0.81	—	2,747	2,747	0.11	0.02	—	2,756
Dust From Material Movement	—	—	—	—	—	—	3.99	3.99	—	1.99	1.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.0	15.0	< 0.005	< 0.005	—	15.1
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.49	2.49	< 0.005	< 0.005	—	2.50
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	103	103	< 0.005	< 0.005	0.01	104
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.26	1.34	14.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,747	2,747	0.11	0.02	—	2,756

Dust From Material Movement	—	—	—	—	—	—	3.99	3.99	—	1.99	1.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.0	15.0	< 0.005	< 0.005	—	15.1
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.49	2.49	< 0.005	< 0.005	—	2.50
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	103	103	< 0.005	< 0.005	0.01	104
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.79	8.54	0.01	0.32	—	0.32	0.30	—	0.30	—	1,533	1,533	0.06	0.01	—	1,539
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.79	8.54	0.01	0.32	—	0.32	0.30	—	0.30	—	1,533	1,533	0.06	0.01	—	1,539
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.25	0.21	2.08	2.62	< 0.005	0.10	—	0.10	0.09	—	0.09	—	471	471	0.02	< 0.005	—	472
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	77.9	77.9	< 0.005	< 0.005	—	78.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.05	12.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	0.04	17.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	< 0.005	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	0.01	3.58
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.06	5.06	< 0.005	< 0.005	0.01	5.29
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	0.75	9.71	0.01	0.03	—	0.03	0.03	—	0.03	—	1,533	1,533	0.06	0.01	—	1,539
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	0.75	9.71	0.01	0.03	—	0.03	0.03	—	0.03	—	1,533	1,533	0.06	0.01	—	1,539
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.98	< 0.005	0.01	—	0.01	0.01	—	0.01	—	471	471	0.02	< 0.005	—	472
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.9	77.9	< 0.005	< 0.005	—	78.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.05	12.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	0.04	17.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	< 0.005	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	0.01	3.58
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.06	5.06	< 0.005	< 0.005	0.01	5.29
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2024) - Unmitigated

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

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

Off-Road Equipment	0.63	0.53	4.52	5.32	0.01	0.21	—	0.21	0.19	—	0.19	—	823	823	0.03	0.01	—	826
Paving	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.87	1.87	< 0.005	< 0.005	—	1.87
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.14	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	203	203	0.01	0.01	0.83	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	< 0.005	2.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.09	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.87	1.87	< 0.005	< 0.005	—	1.87
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.14	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	203	203	0.01	0.01	0.83	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	< 0.005	2.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2024) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	5.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	0.01	2.57

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	5.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	0.01	2.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03

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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	13.4	13.0	4.36	34.5	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,454	3,454	0.61	0.35	11.5	3,586
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	13.4	13.0	4.36	34.5	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,454	3,454	0.61	0.35	11.5	3,586

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	11.6	11.1	5.02	42.7	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,223	3,223	0.82	0.39	0.30	3,361
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	11.6	11.1	5.02	42.7	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,223	3,223	0.82	0.39	0.30	3,361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	2.12	2.05	0.85	6.64	0.01	0.01	0.16	0.17	0.01	0.03	0.04	—	540	540	0.12	0.06	0.82	562
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.12	2.05	0.85	6.64	0.01	0.01	0.16	0.17	0.01	0.03	0.04	—	540	540	0.12	0.06	0.82	562

4.1.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	13.4	13.0	4.36	34.5	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,454	3,454	0.61	0.35	11.5	3,586
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	13.4	13.0	4.36	34.5	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,454	3,454	0.61	0.35	11.5	3,586
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	11.6	11.1	5.02	42.7	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,223	3,223	0.82	0.39	0.30	3,361
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	11.6	11.1	5.02	42.7	0.03	0.04	0.88	0.92	0.03	0.16	0.19	—	3,223	3,223	0.82	0.39	0.30	3,361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	2.12	2.05	0.85	6.64	0.01	0.01	0.16	0.17	0.01	0.03	0.04	—	540	540	0.12	0.06	0.82	562

Automob Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.12	2.05	0.85	6.64	0.01	0.01	0.16	0.17	0.01	0.03	0.04	—	540	540	0.12	0.06	0.82	562

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	110	110	< 0.005	< 0.005	—	110
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.4	27.4	< 0.005	< 0.005	—	27.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	156	156	0.01	< 0.005	—	157
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	110	110	< 0.005	< 0.005	—	110
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.4	27.4	< 0.005	< 0.005	—	27.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	156	156	0.01	< 0.005	—	157
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2	< 0.005	< 0.005	—	18.3
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54	< 0.005	< 0.005	—	4.55
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.14	3.14	< 0.005	< 0.005	—	3.14
Total	—	—	—	—	—	—	—	—	—	—	—	—	25.9	25.9	< 0.005	< 0.005	—	26.0

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	110	110	< 0.005	< 0.005	—	110
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.4	27.4	< 0.005	< 0.005	—	27.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	156	156	0.01	< 0.005	—	157
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	110	110	< 0.005	< 0.005	—	110
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.4	27.4	< 0.005	< 0.005	—	27.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	156	156	0.01	< 0.005	—	157
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2	< 0.005	< 0.005	—	18.3
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54	< 0.005	< 0.005	—	4.55

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.14	3.14	< 0.005	< 0.005	—	3.14
Total	—	—	—	—	—	—	—	—	—	—	—	—	25.9	25.9	< 0.005	< 0.005	—	26.0

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.41	2.41	< 0.005	< 0.005	—	2.42
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.41	2.41	< 0.005	< 0.005	—	2.42

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.41	2.41	< 0.005	< 0.005	—	2.42
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.41	2.41	< 0.005	< 0.005	—	2.42

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	0.02	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.61	0.61	< 0.005	< 0.005	—	0.61
Total	0.03	0.11	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.61	0.61	< 0.005	< 0.005	—	0.61
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.08	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	—	0.07
Total	< 0.005	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.07	0.07	< 0.005	< 0.005	—	0.07

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	0.02	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.61	0.61	< 0.005	< 0.005	—	0.61
Total	0.03	0.11	< 0.005	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.61	0.61	< 0.005	< 0.005	—	0.61
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.08	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	—	0.07
Total	< 0.005	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.07	0.07	< 0.005	< 0.005	—	0.07

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.36	0.46	0.82	< 0.005	< 0.005	—	1.09

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.64	0.83	1.47	< 0.005	< 0.005	—	1.95
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.36	0.46	0.82	< 0.005	< 0.005	—	1.09
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.64	0.83	1.47	< 0.005	< 0.005	—	1.95
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.06	0.08	0.14	< 0.005	< 0.005	—	0.18
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.11	0.14	0.24	< 0.005	< 0.005	—	0.32
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	0.17	0.24	0.40	< 0.005	< 0.005	—	0.52

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.36	0.46	0.82	< 0.005	< 0.005	—	1.09
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.64	0.83	1.47	< 0.005	< 0.005	—	1.95
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.36	0.46	0.82	< 0.005	< 0.005	—	1.09
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.64	0.83	1.47	< 0.005	< 0.005	—	1.95
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	1.00	1.43	2.43	< 0.005	< 0.005	—	3.17
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenie Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.06	0.08	0.14	< 0.005	< 0.005	—	0.18
Automob ile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.11	0.14	0.24	< 0.005	< 0.005	—	0.32
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	0.17	0.24	0.40	< 0.005	< 0.005	—	0.52

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenie nce Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automob ile Care Center	—	—	—	—	—	—	—	—	—	—	—	2.37	0.00	2.37	0.24	0.00	—	8.30
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	2.37	0.00	2.37	0.24	0.00	—	8.30
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.12
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.37
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.00	0.00	1.00	0.10	0.00	—	3.49

4.5.1. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	2.37	0.00	2.37	0.24	0.00	—	8.30
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	2.37	0.00	2.37	0.24	0.00	—	8.30
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.03	0.00	6.03	0.60	0.00	—	21.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.12

Automob Care Center	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.37
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.00	0.00	1.00	0.10	0.00	—	3.49

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.5	77.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.5	77.5

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	468	468
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.5	77.5

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.5	77.5

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/2/2024	1/3/2024	5.00	2.00	1 day per RFI
Grading	Grading	1/2/2024	1/3/2024	5.00	2.00	Per RFI
Building Construction	Building Construction	1/4/2024	6/7/2024	5.00	112	Per RFI, 5 months w/o crane + 1 wk w/ crane
Paving	Paving	6/10/2024	6/14/2024	5.00	5.00	Per RFI
Architectural Coating	Architectural Coating	6/18/2024	6/25/2024	5.00	5.00	default

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37

Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	13.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1.09	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	0.56	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.22	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	13.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1.09	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	0.56	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.22	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	5,117	1,706	1,263

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	210	—	1.00	0.00	—
Grading	—	—	2.25	0.00	—
Paving	0.00	0.00	0.00	0.00	0.48

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Convenience Market with Gas Pumps	0.00	0%
Automobile Care Center	0.00	0%
Parking Lot	0.48	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	375	0.01	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	3,383	3,383	3,383	1,234,810	3,167	3,167	3,167	1,155,782
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	3,383	3,383	3,383	1,234,810	3,167	3,167	3,167	1,155,782
Automobile Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	5,117	1,706	1,263

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	107,170	375	0.0129	0.0017	45,447
Automobile Care Center	26,725	375	0.0129	0.0017	0.00
Parking Lot	18,447	375	0.0129	0.0017	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	107,170	375	0.0129	0.0017	45,447
Automobile Care Center	26,725	375	0.0129	0.0017	0.00
Parking Lot	18,447	375	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	167,315	0.00
Automobile Care Center	300,000	0.00
Parking Lot	0.00	81,242

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	167,315	0.00
Automobile Care Center	300,000	0.00
Parking Lot	0.00	81,242

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	6.78	0.00
Automobile Care Center	4.40	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	6.78	0.00
Automobile Care Center	4.40	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	23.0	annual days of extreme heat
Extreme Precipitation	5.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	53.7

AQ-PM	36.7
AQ-DPM	17.8
Drinking Water	16.8
Lead Risk Housing	31.4
Pesticides	0.00
Toxic Releases	24.8
Traffic	85.6
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	8.76
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	84.5
Cardio-vascular	92.4
Low Birth Weights	96.4
Socioeconomic Factor Indicators	—
Education	47.1
Housing	94.0
Linguistic	19.9
Poverty	98.4
Unemployment	76.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract

Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—

Insured adults	—
Arthritis	95.9
Asthma ER Admissions	55.3
High Blood Pressure	57.0
Cancer (excluding skin)	97.9
Asthma	8.7
Coronary Heart Disease	98.1
Chronic Obstructive Pulmonary Disease	84.0
Diagnosed Diabetes	88.2
Life Expectancy at Birth	0.0
Cognitively Disabled	6.9
Physically Disabled	36.0
Heart Attack ER Admissions	68.1
Mental Health Not Good	28.5
Chronic Kidney Disease	85.5
Obesity	29.3
Pedestrian Injuries	0.0
Physical Health Not Good	64.0
Stroke	88.3
Health Risk Behaviors	—
Binge Drinking	41.7
Current Smoker	20.8
No Leisure Time for Physical Activity	55.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	32.5

Elderly	99.0
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	55.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	8.0
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	44.0
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Convenience Market 3349 sf, 8 pumps (16 fueling positions), Car Wash 1152 sf (used land use Auto Care Center)
Construction: Construction Phases	Undeveloped site, no demolition required, work days provided in "RFI Response -- 2022-01-27.pdf"
Construction: Off-Road Equipment	Used default equipment types for phases, added 3 excavators in Grading with hp based on make/model lookup from RFI 1 Response -- 2022-01-27.pdf
Operations: Vehicle Data	Traffic study offered 211.44 daily trips/(fueling position), 8 pumps (16 fueling positions), 3383 total daily trips. 16 pumps entered in land use screen because CalEEMod does not double the number of pumps to calculate fuel positions for use in trip rate calculation as suggested in the tips in Land Use input screen. Assumed all trips to the facility are captured in Convenience Market land use, so trip rate set to zero for Automobile Care Center (car wash). Since this will be a local serving use and based on locations of nearby gas stations, assumed people will travel no more than 2 miles to use this gas station. Traffic study provided primary trips = 23%; pass-by trips = 56%; and diverted trips = 21%
Operations: Energy Use	Estimated Car Wash electricity of 3x one residential unit (1 residential dwelling = 8908.22 kWh/year CalEEMod 2022 default; 3x = 26,724.66), no natural gas consumption
Operations: Water and Waste Water	Estimated annual water use for the car wash provided by applicant (300,000 gal/yr)
Operations: Refrigerants	No heating or air conditioning for the car wash as per applicant.

A-2 Emissions Calculations

Natomas ARCO

Criteria Air Pollutant Summary
CalEEMod Output

Construction Phasing

PhaseName	PhaseType	Lookup	PhaseStartDate	PhaseEndDate	NumDays
Demolition	Demolition	Demolition_1900			0
Site Preparation	Site Preparation	Site Preparation_2024	1/2/2024	1/3/2024	2
Grading	Grading	Grading_2024	1/3/2024	1/3/2024	1
Building Construction	Building Construction	Building Construction_2022	1/4/2024	6/7/2024	112
Paving	Paving	Paving_2024	6/10/2024	6/14/2024	5
Architectural Coating	Architectural Coating	Architectural Coating_2024	6/18/2024	6/25/2024	6

	Workdays
2024	126

PM10E PM2.5E

Construction Emissions by Phase (tons)

			Unmitigated				Mitigated			
PhaseName	Year	Category	ROG	NO_x	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_x	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Site Preparation	2024	Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Site Preparation	2024	Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Site Preparation	2024	Vendor	0	0	0	0	0	0	0	0
Site Preparation	2024	Worker	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	0
Grading	2024	Off-Road Equipment	< 0.005	0.02	< 0.005	< 0.005	< 0.0005	0.001	< 0.0005	< 0.0005
Grading	2024	Hauling	0	0	0	0	0	0	0	0
Grading	2024	Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Grading	2024	Worker	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	0
Building Construction	2024	Off-Road Equipment	0.04	0.38	0.02	0.02	0.008	0.042	0.002	0.002
Building Construction	2024	Hauling	0	0	0	0	0	0	0	0
Building Construction	2024	Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Building Construction	2024	Worker	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	0
Paving	2024	Off-Road Equipment	< 0.005	0.01	< 0.005	< 0.005	0.001	0.005	< 0.0005	< 0.0005
Paving	2024	Hauling	0	0	0	0	0	0	0	0
Paving	2024	Vendor	0	0	0	0	0	0	0	0
Paving	2024	Worker	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	0
Architectural Coating	2024	Architectural Coatings	0.01	0	0	0	0.01	0	0	0
Architectural Coating	2024	Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0005	0.002	< 0.0005	< 0.0005
Architectural Coating	2024	Hauling	0	0	0	0	0	0	0	0
Architectural Coating	2024	Vendor	0	0	0	0	0	0	0	0
Architectural Coating	2024	Worker	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	0

Construction Totals by Year

From CalEEMod web output
italic = < 0.0005 TPY

			ROG	NO_x	PM_{10} Exhaust	$PM_{2.5}$ Exhaust	ROG	NO_x	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
2024										
Site Preparation	tpy		0.001	0.007	*0.00049*	*0.00049*	0.000	0.000	0.000	0.000
Grading	tpy		0.002	0.019	0.001	0.001	0.000	0.001	0.000	0.000
Building Construction	tpy		0.039	0.382	0.018	0.017	0.008	0.042	0.002	0.002
Paving	tpy		0.002	0.011	0.001	*0.00049*	0.001	0.005	0.000	0.000
Architectural Coating	tpy		0.015	0.002	*0.00049*	*0.00049*	0.010	0.002	0.000	0.000
2024										
Site Preparation	ppd		0.016	0.111	0.008	0.008	0.000	0.000	0.000	0.000
Grading	ppd		0.032	0.302	0.016	0.016	0.000	0.016	0.000	0.000
Building Construction	ppd		0.619	6.063	0.286	0.270	0.127	0.667	0.032	0.032
Paving	ppd		0.032	0.175	0.016	0.008	0.016	0.079	0.000	0.000
Architectural Coating	ppd		0.238	0.032	0.008	0.008	0.159	0.032	0.000	0.000
2024	tpy		0.059	0.421	0.021	0.019	0.019	0.050	0.002	0.002
2024	ppd		0.937	6.683	0.333	0.309	0.302	0.794	0.032	0.032

Annual Operational Emissions, tpy

Category	ROG	NO_x	PM_{10} Total	$PM_{2.5}$ Total	
Area					
Energy (no Nat. Gas)					
Mobile					
Total	**0.00**	**0.00**	**0.00**	**0.00**	See CalEEMod Output file

Annual Operational Emissions, ppd

Category	ROG	NO_x	PM_{10} Total	$PM_{2.5}$ Total	
Area	0.00	0.00	0.00	0.00	
Energy (no Nat. Gas)	0.00	0.00	0.00	0.00	
Mobile	0.00	0.00	0.00	0.00	
Total	**0.00**	**0.00**	**0.00**	**0.00**	See CalEEMod Output file

A-3 HRA – AERMOD Inputs

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 2/13/2023
** File: C:\Lakes\AERMOD View\ARCO\ARCO.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\ARCO\ARCO.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 525041
   POLLUTID PM_10
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL ARCO.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   630291.348  4277869.360
3.440
** DESCRSRC ARCO site
** Source Parameters **
   SRCPARAM CONST        0.0002968953     5.000         5
1.400
   AREAVERT CONST        630291.348 4277869.360 630292.772
4277934.838
   AREAVERT CONST        630244.849 4277935.312 630244.375
4277863.666
   AREAVERT CONST        630285.654 4277863.666
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 2"
   EMISFACT CONST        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT CONST        HROFDY 0.0 2.67 2.67 2.67 2.67 2.67
   EMISFACT CONST        HROFDY 2.67 2.67 2.67 2.67 0.0 0.0
   EMISFACT CONST        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED ARCO.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "MET data\14-18.SFC"
   PROFFILE "MET data\14-18.PFL"
   SURFDATA 93225 2014 SMF
   UAIRDATA 23230 2014 OAKLAND/WSO_AP
   PROFBASE 7.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST ARCO.AD\01H1GALL.PLT 31
   PLOTFILE 1 CONST 1ST ARCO.AD\01H1G001.PLT 32
   PLOTFILE PERIOD ALL ARCO.AD\PE00GALL.PLT 33
   PLOTFILE PERIOD CONST ARCO.AD\PE00G000.PLT 34
   SUMMFILE ARCO.sum
OU FINISHED
**
****************************************
** Project Parameters
****************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
```

```
** UNITS    m
** ZONE     10
** ZONEINX  0
**
```

A-4 HRA – AERMOD Outputs

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 2/13/2023
** File: C:\Lakes\AERMOD View\ARCO\ARCO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\ARCO\ARCO.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 525041
   POLLUTID PM_10
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL ARCO.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   630291.348  4277869.360        3.440
** DESCRSRC ARCO site
** Source Parameters **
   SRCPARAM CONST        0.0002968953     5.000         5     1.400
   AREAVERT CONST        630291.348 4277869.360 630292.772 4277934.838
   AREAVERT CONST        630244.849 4277935.312 630244.375 4277863.666
   AREAVERT CONST        630285.654 4277863.666
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 2"
   EMISFACT CONST        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HROFDY 0.0 2.67 2.67 2.67 2.67 2.67
   EMISFACT CONST        HROFDY 2.67 2.67 2.67 2.67 0.0 0.0
   EMISFACT CONST        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED ARCO.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "MET data\14-18.SFC"
```

```
   PROFFILE "MET data\14-18.PFL"
   SURFDATA 93225 2014 SMF
   UAIRDATA 23230 2014 OAKLAND/WSO_AP
   PROFBASE 7.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST ARCO.AD\01H1GALL.PLT 31
   PLOTFILE 1 CONST 1ST ARCO.AD\01H1G001.PLT 32
   PLOTFILE PERIOD ALL ARCO.AD\PE00GALL.PLT 33
   PLOTFILE PERIOD CONST ARCO.AD\PE00G000.PLT 34
   SUMMFILE ARCO.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      76       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
 ME W187      76       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\ARCO\ARCO.isc
***        02/13/23
 *** AERMET - VERSION  19191 ***   ***
***        12:15:59

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     1 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =    525041.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       2 Source Group(s); and    1904 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  19191

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours
```

```
 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     7.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission
Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   ARCO.err
 **File for Summary of Results:   ARCO.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE SCALAR VARY BY
CONST	0	0.29690E-03	630291.3	4277869.4	3.4	5.00	5	1.40	YES HROFDY

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,
ALL	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
525041.	CONST	,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.26700E+01	9	.26700E+01	10	.26700E+01	11	.26700E+01	12	.26700E+01
13	.26700E+01	14	.26700E+01	15	.26700E+01	16	.26700E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630024.0, 4277661.0, 3.8, 3.8, 0.0); (630024.0, 4277681.0, 3.9, 3.9, 0.0);
(630024.0, 4277761.0, 5.0, 5.0, 0.0); (630024.0, 4277781.0, 5.1, 5.1, 0.0);
(630024.0, 4277801.0, 4.9, 4.9, 0.0); (630024.0, 4277821.0, 4.7, 4.7, 0.0);
(630024.0, 4277841.0, 4.5, 4.5, 0.0); (630024.0, 4277861.0, 4.3, 4.3, 0.0);
(630024.0, 4277881.0, 4.3, 4.3, 0.0); (630024.0, 4277901.0, 4.5, 4.5, 0.0);
(630024.0, 4277921.0, 4.4, 4.4, 0.0); (630024.0, 4277941.0, 4.2, 4.2, 0.0);
(630024.0, 4277961.0, 4.0, 4.0, 0.0); (630024.0, 4277981.0, 4.0, 4.0, 0.0);
(630024.0, 4278001.0, 4.0, 4.0, 0.0); (630024.0, 4278021.0, 4.0, 4.0, 0.0);
(630024.0, 4278041.0, 3.8, 3.8, 0.0); (630024.0, 4278061.0, 3.6, 3.6, 0.0);
(630024.0, 4278081.0, 3.6, 3.6, 0.0); (630024.0, 4278101.0, 3.7, 3.7, 0.0);
(630024.0, 4278121.0, 3.8, 3.8, 0.0); (630024.0, 4278141.0, 4.0, 4.0, 0.0);
(630024.0, 4278161.0, 4.1, 4.1, 0.0); (630044.0, 4277661.0, 3.6, 3.6, 0.0);
(630044.0, 4277681.0, 3.8, 3.8, 0.0); (630044.0, 4277741.0, 4.6, 4.6, 0.0);
(630044.0, 4277761.0, 4.9, 4.9, 0.0); (630044.0, 4277781.0, 5.1, 5.1, 0.0);
(630044.0, 4277801.0, 4.7, 4.7, 0.0); (630044.0, 4277821.0, 4.4, 4.4, 0.0);
(630044.0, 4277841.0, 4.2, 4.2, 0.0); (630044.0, 4277861.0, 4.1, 4.1, 0.0);
(630044.0, 4277881.0, 4.3, 4.3, 0.0); (630044.0, 4277901.0, 4.7, 4.7, 0.0);
(630044.0, 4277921.0, 4.5, 4.5, 0.0); (630044.0, 4277941.0, 4.3, 4.3, 0.0);
(630044.0, 4277961.0, 4.0, 4.0, 0.0); (630044.0, 4277981.0, 4.0, 4.0, 0.0);
(630044.0, 4278001.0, 4.1, 4.1, 0.0); (630044.0, 4278021.0, 4.1, 4.1, 0.0);
(630044.0, 4278041.0, 4.0, 4.0, 0.0); (630044.0, 4278061.0, 3.8, 3.8, 0.0);
(630044.0, 4278081.0, 3.8, 3.8, 0.0); (630044.0, 4278101.0, 3.8, 3.8, 0.0);
(630044.0, 4278121.0, 3.9, 3.9, 0.0); (630044.0, 4278141.0, 3.9, 3.9, 0.0);
(630044.0, 4278161.0, 4.0, 4.0, 0.0); (630064.0, 4277661.0, 3.6, 3.6, 0.0);
(630064.0, 4277741.0, 4.4, 4.4, 0.0); (630064.0, 4277761.0, 4.7, 4.7, 0.0);
(630064.0, 4277781.0, 5.0, 5.0, 0.0); (630064.0, 4277801.0, 4.5, 4.5, 0.0);
(630064.0, 4277821.0, 4.2, 4.2, 0.0); (630064.0, 4277841.0, 4.1, 4.1, 0.0);
(630064.0, 4277861.0, 4.1, 4.1, 0.0); (630064.0, 4277881.0, 4.4, 4.4, 0.0);
(630064.0, 4277901.0, 4.8, 4.8, 0.0); (630064.0, 4277921.0, 4.6, 4.6, 0.0);
(630064.0, 4277941.0, 4.4, 4.4, 0.0); (630064.0,

```
4277961.0,       4.1,       4.1,       0.0);
     ( 630064.0, 4277981.0,       4.0,       4.0,       0.0);         ( 630064.0,
4278001.0,       4.0,       4.0,       0.0);
     ( 630064.0, 4278021.0,       4.1,       4.1,       0.0);         ( 630064.0,
4278041.0,       4.1,       4.1,       0.0);
     ( 630064.0, 4278061.0,       4.1,       4.1,       0.0);         ( 630064.0,
4278081.0,       4.1,       4.1,       0.0);
     ( 630064.0, 4278101.0,       4.1,       4.1,       0.0);         ( 630064.0,
4278121.0,       4.0,       4.0,       0.0);
     ( 630064.0, 4278141.0,       3.9,       3.9,       0.0);         ( 630064.0,
4278161.0,       3.9,       3.9,       0.0);
     ( 630084.0, 4277741.0,       4.2,       4.2,       0.0);         ( 630084.0,
4277761.0,       4.5,       4.5,       0.0);
     ( 630084.0, 4277781.0,       4.7,       4.7,       0.0);         ( 630084.0,
4277801.0,       4.3,       4.3,       0.0);
     ( 630084.0, 4277821.0,       4.1,       4.1,       0.0);         ( 630084.0,
4277841.0,       4.1,       4.1,       0.0);
     ( 630084.0, 4277861.0,       4.2,       4.2,       0.0);         ( 630084.0,
4277881.0,       4.4,       4.4,       0.0);
     ( 630084.0, 4277901.0,       4.8,       4.8,       0.0);         ( 630084.0,
4277921.0,       4.6,       4.6,       0.0);
     ( 630084.0, 4277941.0,       4.4,       4.4,       0.0);         ( 630084.0,
4277961.0,       4.1,       4.1,       0.0);
     ( 630084.0, 4277981.0,       3.9,       3.9,       0.0);         ( 630084.0,
4278001.0,       3.8,       3.8,       0.0);
     ( 630084.0, 4278021.0,       3.9,       3.9,       0.0);         ( 630084.0,
4278041.0,       4.0,       4.0,       0.0);
     ( 630084.0, 4278061.0,       4.1,       4.1,       0.0);         ( 630084.0,
4278081.0,       4.1,       4.1,       0.0);
     ( 630084.0, 4278101.0,       4.1,       4.1,       0.0);         ( 630084.0,
4278121.0,       4.0,       4.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630084.0, 4278141.0, 3.9, 3.9, 0.0); (630084.0, 4278161.0, 3.8, 3.8, 0.0);
(630104.0, 4277701.0, 4.0, 4.0, 0.0); (630104.0, 4277721.0, 4.1, 4.1, 0.0);
(630104.0, 4277761.0, 4.4, 4.4, 0.0); (630104.0, 4277781.0, 4.3, 4.3, 0.0);
(630104.0, 4277801.0, 4.2, 4.2, 0.0); (630104.0, 4277821.0, 4.2, 4.2, 0.0);
(630104.0, 4277841.0, 4.2, 4.2, 0.0); (630104.0, 4277861.0, 4.2, 4.2, 0.0);
(630104.0, 4277881.0, 4.4, 4.4, 0.0); (630104.0, 4277901.0, 4.7, 4.7, 0.0);
(630104.0, 4277921.0, 4.6, 4.6, 0.0); (630104.0, 4277941.0, 4.4, 4.4, 0.0);
(630104.0, 4277961.0, 4.0, 4.0, 0.0); (630104.0, 4277981.0, 3.8, 3.8, 0.0);
(630104.0, 4278001.0, 3.6, 3.6, 0.0); (630104.0, 4278021.0, 3.6, 3.6, 0.0);
(630104.0, 4278041.0, 3.7, 3.7, 0.0); (630104.0, 4278061.0, 3.9, 3.9, 0.0);
(630104.0, 4278081.0, 4.0, 4.0, 0.0); (630104.0, 4278101.0, 3.9, 3.9, 0.0);
(630104.0, 4278121.0, 3.8, 3.8, 0.0); (630104.0, 4278141.0, 3.7, 3.7, 0.0);
(630104.0, 4278161.0, 3.6, 3.6, 0.0); (630124.0, 4277701.0, 4.2, 4.2, 0.0);
(630124.0, 4277721.0, 4.3, 4.3, 0.0); (630124.0, 4277741.0, 4.5, 4.5, 0.0);
(630124.0, 4277761.0, 4.5, 4.5, 0.0); (630124.0, 4277821.0, 4.2, 4.2, 0.0);
(630124.0, 4277841.0, 4.2, 4.2, 0.0); (630124.0, 4277861.0, 4.2, 4.2, 0.0);
(630124.0, 4277881.0, 4.3, 4.3, 0.0); (630124.0, 4277901.0, 4.4, 4.4, 0.0);
(630124.0, 4277921.0, 4.4, 4.4, 0.0); (630124.0, 4277941.0, 4.3, 4.3, 0.0);
(630124.0, 4277961.0, 4.0, 4.0, 0.0); (630124.0, 4277981.0, 3.7, 3.7, 0.0);
(630124.0, 4278001.0, 3.5, 3.5, 0.0); (630124.0, 4278021.0, 3.5, 3.5, 0.0);
(630124.0, 4278041.0, 3.6, 3.6, 0.0); (630124.0, 4278061.0, 3.7, 3.7, 0.0);
(630124.0, 4278081.0, 3.8, 3.8, 0.0); (630124.0, 4278101.0, 3.8, 3.8, 0.0);
(630124.0, 4278121.0, 3.6, 3.6, 0.0); (630124.0, 4278141.0, 3.5, 3.5, 0.0);
(630124.0, 4278161.0, 3.5, 3.5, 0.0); (630144.0, 4277681.0, 4.2, 4.2, 0.0);
(630144.0, 4277701.0, 4.3, 4.3, 0.0); (630144.0, 4277721.0, 4.5, 4.5, 0.0);
(630144.0, 4277741.0, 4.5, 4.5, 0.0); (630144.0, 4277761.0, 4.4, 4.4, 0.0);
(630144.0, 4277781.0, 4.2, 4.2, 0.0); (630144.0, 4277841.0, 4.1, 4.1, 0.0);
(630144.0, 4277861.0, 4.3, 4.3, 0.0); (630144.0, 4277881.0, 4.4, 4.4, 0.0);
(630144.0, 4277901.0, 4.3, 4.3, 0.0); (630144.0, 4277921.0, 4.4, 4.4, 0.0);
(630144.0, 4277941.0, 4.4, 4.4, 0.0); (630144.0,

```
4277961.0,       4.0,       4.0,       0.0);
     ( 630144.0, 4277981.0,       3.8,       3.8,       0.0);         ( 630144.0,
4278001.0,       3.7,       3.7,       0.0);
     ( 630144.0, 4278021.0,       3.7,       3.7,       0.0);         ( 630144.0,
4278041.0,       3.8,       3.8,       0.0);
     ( 630144.0, 4278061.0,       3.8,       3.8,       0.0);         ( 630144.0,
4278081.0,       3.9,       3.9,       0.0);
     ( 630144.0, 4278101.0,       3.8,       3.8,       0.0);         ( 630144.0,
4278121.0,       3.7,       3.7,       0.0);
     ( 630144.0, 4278141.0,       3.6,       3.6,       0.0);         ( 630144.0,
4278161.0,       3.5,       3.5,       0.0);
     ( 630164.0, 4277661.0,       4.2,       4.2,       0.0);         ( 630164.0,
4277681.0,       4.3,       4.3,       0.0);
     ( 630164.0, 4277701.0,       4.4,       4.4,       0.0);         ( 630164.0,
4277721.0,       4.6,       4.6,       0.0);
     ( 630164.0, 4277741.0,       4.4,       4.4,       0.0);         ( 630164.0,
4277761.0,       4.2,       4.2,       0.0);
     ( 630164.0, 4277781.0,       4.0,       4.0,       0.0);         ( 630164.0,
4277801.0,       4.1,       4.1,       0.0);
     ( 630164.0, 4277861.0,       4.2,       4.2,       0.0);         ( 630164.0,
4277881.0,       4.3,       4.3,       0.0);
     ( 630164.0, 4277901.0,       4.4,       4.4,       0.0);         ( 630164.0,
4277921.0,       4.5,       4.5,       0.0);
     ( 630164.0, 4277941.0,       4.5,       4.5,       0.0);         ( 630164.0,
4277961.0,       4.1,       4.1,       0.0);
     ( 630164.0, 4277981.0,       3.9,       3.9,       0.0);         ( 630164.0,
4278001.0,       3.8,       3.8,       0.0);
     ( 630164.0, 4278021.0,       3.9,       3.9,       0.0);         ( 630164.0,
4278041.0,       3.9,       3.9,       0.0);
     ( 630164.0, 4278061.0,       3.9,       3.9,       0.0);         ( 630164.0,
4278081.0,       3.8,       3.8,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630164.0, 4278101.0, 3.8, 3.8, 0.0); (630164.0, 4278121.0, 3.9, 3.9, 0.0);
(630164.0, 4278141.0, 3.7, 3.7, 0.0); (630164.0, 4278161.0, 3.6, 3.6, 0.0);
(630184.0, 4277661.0, 4.2, 4.2, 0.0); (630184.0, 4277681.0, 4.3, 4.3, 0.0);
(630184.0, 4277701.0, 4.5, 4.5, 0.0); (630184.0, 4277721.0, 4.5, 4.5, 0.0);
(630184.0, 4277741.0, 4.3, 4.3, 0.0); (630184.0, 4277761.0, 4.1, 4.1, 0.0);
(630184.0, 4277781.0, 3.9, 3.9, 0.0); (630184.0, 4277801.0, 4.0, 4.0, 0.0);
(630184.0, 4277861.0, 4.1, 4.1, 0.0); (630184.0, 4277881.0, 4.2, 4.2, 0.0);
(630184.0, 4277901.0, 4.4, 4.4, 0.0); (630184.0, 4277921.0, 4.5, 4.5, 0.0);
(630184.0, 4277941.0, 4.5, 4.5, 0.0); (630184.0, 4277961.0, 4.1, 4.1, 0.0);
(630184.0, 4277981.0, 3.9, 3.9, 0.0); (630184.0, 4278001.0, 3.8, 3.8, 0.0);
(630184.0, 4278021.0, 3.8, 3.8, 0.0); (630184.0, 4278041.0, 3.8, 3.8, 0.0);
(630184.0, 4278061.0, 3.8, 3.8, 0.0); (630184.0, 4278081.0, 3.7, 3.7, 0.0);
(630184.0, 4278101.0, 3.7, 3.7, 0.0); (630184.0, 4278121.0, 3.7, 3.7, 0.0);
(630184.0, 4278141.0, 3.6, 3.6, 0.0); (630184.0, 4278161.0, 3.6, 3.6, 0.0);
(630204.0, 4277661.0, 4.1, 4.1, 0.0); (630204.0, 4277681.0, 4.3, 4.3, 0.0);
(630204.0, 4277701.0, 4.4, 4.4, 0.0); (630204.0, 4277721.0, 4.5, 4.5, 0.0);
(630204.0, 4277741.0, 4.3, 4.3, 0.0); (630204.0, 4277761.0, 4.1, 4.1, 0.0);
(630204.0, 4277781.0, 4.0, 4.0, 0.0); (630204.0, 4277801.0, 4.0, 4.0, 0.0);
(630204.0, 4277821.0, 4.0, 4.0, 0.0); (630204.0, 4277901.0, 4.4, 4.4, 0.0);
(630204.0, 4277921.0, 4.5, 4.5, 0.0); (630204.0, 4277941.0, 4.4, 4.4, 0.0);
(630204.0, 4277961.0, 4.1, 4.1, 0.0); (630204.0, 4277981.0, 3.9, 3.9, 0.0);
(630204.0, 4278001.0, 3.8, 3.8, 0.0); (630204.0, 4278021.0, 3.7, 3.7, 0.0);
(630204.0, 4278041.0, 3.6, 3.6, 0.0); (630204.0, 4278061.0, 3.6, 3.6, 0.0);
(630204.0, 4278081.0, 3.6, 3.6, 0.0); (630204.0, 4278101.0, 3.6, 3.6, 0.0);
(630204.0, 4278121.0, 3.6, 3.6, 0.0); (630204.0, 4278141.0, 3.6, 3.6, 0.0);
(630204.0, 4278161.0, 3.6, 3.6, 0.0); (630224.0, 4277661.0, 3.9, 3.9, 0.0);
(630224.0, 4277681.0, 4.0, 4.0, 0.0); (630224.0, 4277701.0, 4.2, 4.2, 0.0);
(630224.0, 4277721.0, 4.5, 4.5, 0.0); (630224.0, 4277741.0, 4.4, 4.4, 0.0);
(630224.0, 4277761.0, 4.3, 4.3, 0.0); (630224.0, 4277781.0, 4.1, 4.1, 0.0);
(630224.0, 4277801.0, 4.0, 4.0, 0.0); (630224.0,

```
4277821.0,       4.0,       4.0,       0.0);
     ( 630224.0, 4277901.0,       4.3,       4.3,       0.0);        ( 630224.0,
4277921.0,       4.3,       4.3,       0.0);
     ( 630224.0, 4277941.0,       4.3,       4.3,       0.0);        ( 630224.0,
4277961.0,       4.1,       4.1,       0.0);
     ( 630224.0, 4277981.0,       4.0,       4.0,       0.0);        ( 630224.0,
4278001.0,       3.9,       3.9,       0.0);
     ( 630224.0, 4278021.0,       3.7,       3.7,       0.0);        ( 630224.0,
4278041.0,       3.6,       3.6,       0.0);
     ( 630224.0, 4278061.0,       3.5,       3.5,       0.0);        ( 630224.0,
4278081.0,       3.6,       3.6,       0.0);
     ( 630224.0, 4278101.0,       3.7,       3.7,       0.0);        ( 630224.0,
4278121.0,       3.7,       3.7,       0.0);
     ( 630224.0, 4278141.0,       3.7,       3.7,       0.0);        ( 630224.0,
4278161.0,       3.7,       3.7,       0.0);
     ( 630244.0, 4277701.0,       4.0,       4.0,       0.0);        ( 630244.0,
4277721.0,       4.2,       4.2,       0.0);
     ( 630244.0, 4277741.0,       4.2,       4.2,       0.0);        ( 630244.0,
4277761.0,       4.3,       4.3,       0.0);
     ( 630244.0, 4277781.0,       4.4,       4.4,       0.0);        ( 630244.0,
4277801.0,       4.2,       4.2,       0.0);
     ( 630244.0, 4277821.0,       4.1,       4.1,       0.0);        ( 630244.0,
4277841.0,       4.1,       4.1,       0.0);
     ( 630244.0, 4277941.0,       4.1,       4.1,       0.0);        ( 630244.0,
4277961.0,       4.0,       4.0,       0.0);
     ( 630244.0, 4277981.0,       4.0,       4.0,       0.0);        ( 630244.0,
4278001.0,       3.9,       3.9,       0.0);
     ( 630244.0, 4278021.0,       3.6,       3.6,       0.0);        ( 630244.0,
4278041.0,       3.5,       3.5,       0.0);
     ( 630244.0, 4278061.0,       3.7,       3.7,       0.0);        ( 630244.0,
4278081.0,       3.9,       3.9,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630244.0, 4278101.0, 3.9, 3.9, 0.0); (630244.0, 4278121.0, 3.8, 3.8, 0.0);
(630244.0, 4278141.0, 3.8, 3.8, 0.0); (630244.0, 4278161.0, 3.8, 3.8, 0.0);
(630264.0, 4277741.0, 3.8, 3.8, 0.0); (630264.0, 4277761.0, 3.8, 3.8, 0.0);
(630264.0, 4277781.0, 3.9, 3.9, 0.0); (630264.0, 4277801.0, 4.0, 4.0, 0.0);
(630264.0, 4277821.0, 4.1, 4.1, 0.0); (630264.0, 4277841.0, 4.1, 4.1, 0.0);
(630264.0, 4277941.0, 3.9, 3.9, 0.0); (630264.0, 4277961.0, 3.9, 3.9, 0.0);
(630264.0, 4277981.0, 3.8, 3.8, 0.0); (630264.0, 4278001.0, 3.7, 3.7, 0.0);
(630264.0, 4278021.0, 3.4, 3.4, 0.0); (630264.0, 4278041.0, 3.5, 3.5, 0.0);
(630264.0, 4278061.0, 3.8, 3.8, 0.0); (630264.0, 4278081.0, 3.9, 3.9, 0.0);
(630264.0, 4278101.0, 3.9, 3.9, 0.0); (630264.0, 4278121.0, 3.8, 3.8, 0.0);
(630264.0, 4278141.0, 3.7, 3.7, 0.0); (630264.0, 4278161.0, 3.7, 3.7, 0.0);
(630284.0, 4277661.0, 4.2, 4.2, 0.0); (630284.0, 4277681.0, 4.1, 4.1, 0.0);
(630284.0, 4277801.0, 3.6, 3.6, 0.0); (630284.0, 4277821.0, 3.8, 3.8, 0.0);
(630284.0, 4277841.0, 3.8, 3.8, 0.0); (630284.0, 4277941.0, 3.7, 3.7, 0.0);
(630284.0, 4277961.0, 3.8, 3.8, 0.0); (630284.0, 4277981.0, 3.7, 3.7, 0.0);
(630284.0, 4278001.0, 3.6, 3.6, 0.0); (630284.0, 4278021.0, 3.5, 3.5, 0.0);
(630284.0, 4278041.0, 3.5, 3.5, 0.0); (630284.0, 4278061.0, 3.7, 3.7, 0.0);
(630284.0, 4278081.0, 3.7, 3.7, 0.0); (630284.0, 4278101.0, 3.7, 3.7, 0.0);
(630284.0, 4278121.0, 3.6, 3.6, 0.0); (630284.0, 4278141.0, 3.5, 3.5, 0.0);
(630284.0, 4278161.0, 3.5, 3.5, 0.0); (630304.0, 4277661.0, 4.1, 4.1, 0.0);
(630304.0, 4277681.0, 4.2, 4.2, 0.0); (630304.0, 4277701.0, 4.1, 4.1, 0.0);
(630304.0, 4277721.0, 4.0, 4.0, 0.0); (630324.0, 4277661.0, 4.1, 4.1, 0.0);
(630324.0, 4277681.0, 4.1, 4.1, 0.0); (630324.0, 4277701.0, 4.2, 4.2, 0.0);
(630324.0, 4277721.0, 4.2, 4.2, 0.0); (630324.0, 4277741.0, 4.0, 4.0, 0.0);
(630324.0, 4277761.0, 3.8, 3.8, 0.0); (630324.0, 4277781.0, 3.6, 3.6, 0.0);
(630344.0, 4277661.0, 4.1, 4.1, 0.0); (630344.0, 4277681.0, 4.0, 4.0, 0.0);
(630344.0, 4277701.0, 4.0, 4.0, 0.0); (630344.0, 4277721.0, 4.0, 4.0, 0.0);
(630344.0, 4277741.0, 4.0, 4.0, 0.0); (630344.0, 4277761.0, 3.9, 3.9, 0.0);
(630344.0, 4277781.0, 3.8, 3.8, 0.0); (630344.0, 4277801.0, 3.7, 3.7, 0.0);
(630344.0, 4277821.0, 3.7, 3.7, 0.0); (630344.0,

```
4277881.0,       3.7,       3.7,       0.0);
     ( 630344.0, 4277901.0,       3.9,       3.9,       0.0);        ( 630344.0,
4277921.0,       4.0,       4.0,       0.0);
     ( 630344.0, 4277941.0,       3.9,       3.9,       0.0);        ( 630344.0,
4277961.0,       3.8,       3.8,       0.0);
     ( 630344.0, 4277981.0,       3.7,       3.7,       0.0);        ( 630344.0,
4278001.0,       3.7,       3.7,       0.0);
     ( 630344.0, 4278021.0,       4.0,       4.0,       0.0);        ( 630344.0,
4278041.0,       4.3,       4.3,       0.0);
     ( 630344.0, 4278061.0,       4.4,       4.4,       0.0);        ( 630344.0,
4278081.0,       4.2,       4.2,       0.0);
     ( 630344.0, 4278101.0,       4.0,       4.0,       0.0);        ( 630344.0,
4278121.0,       3.7,       3.7,       0.0);
     ( 630344.0, 4278141.0,       3.6,       3.6,       0.0);        ( 630344.0,
4278161.0,       3.7,       3.7,       0.0);
     ( 630364.0, 4277661.0,       4.4,       4.4,       0.0);        ( 630364.0,
4277681.0,       4.4,       4.4,       0.0);
     ( 630364.0, 4277701.0,       4.3,       4.3,       0.0);        ( 630364.0,
4277721.0,       4.2,       4.2,       0.0);
     ( 630364.0, 4277741.0,       4.2,       4.2,       0.0);        ( 630364.0,
4277761.0,       4.1,       4.1,       0.0);
     ( 630364.0, 4277781.0,       4.0,       4.0,       0.0);        ( 630364.0,
4277801.0,       3.8,       3.8,       0.0);
     ( 630364.0, 4277821.0,       3.6,       3.6,       0.0);        ( 630364.0,
4277881.0,       4.0,       4.0,       0.0);
     ( 630364.0, 4277901.0,       4.0,       4.0,       0.0);        ( 630364.0,
4277921.0,       3.9,       3.9,       0.0);
     ( 630364.0, 4277941.0,       3.8,       3.8,       0.0);        ( 630364.0,
4277961.0,       3.7,       3.7,       0.0);
     ( 630364.0, 4277981.0,       3.6,       3.6,       0.0);        ( 630364.0,
4278001.0,       3.6,       3.6,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630364.0, 4278021.0, 4.0, 4.0, 0.0); (630364.0, 4278041.0, 4.2, 4.2, 0.0);
(630364.0, 4278061.0, 4.2, 4.2, 0.0); (630364.0, 4278081.0, 4.2, 4.2, 0.0);
(630364.0, 4278101.0, 4.0, 4.0, 0.0); (630364.0, 4278121.0, 3.7, 3.7, 0.0);
(630364.0, 4278141.0, 3.6, 3.6, 0.0); (630364.0, 4278161.0, 3.7, 3.7, 0.0);
(630384.0, 4277661.0, 4.6, 4.6, 0.0); (630384.0, 4277681.0, 4.6, 4.6, 0.0);
(630384.0, 4277701.0, 4.5, 4.5, 0.0); (630384.0, 4277721.0, 4.5, 4.5, 0.0);
(630384.0, 4277741.0, 4.4, 4.4, 0.0); (630384.0, 4277761.0, 4.3, 4.3, 0.0);
(630384.0, 4277781.0, 4.1, 4.1, 0.0); (630384.0, 4277801.0, 3.8, 3.8, 0.0);
(630384.0, 4277821.0, 3.6, 3.6, 0.0); (630384.0, 4277881.0, 4.0, 4.0, 0.0);
(630384.0, 4277901.0, 4.0, 4.0, 0.0); (630384.0, 4277921.0, 3.9, 3.9, 0.0);
(630384.0, 4277941.0, 3.6, 3.6, 0.0); (630384.0, 4277961.0, 3.5, 3.5, 0.0);
(630384.0, 4277981.0, 3.5, 3.5, 0.0); (630384.0, 4278001.0, 3.6, 3.6, 0.0);
(630384.0, 4278021.0, 3.8, 3.8, 0.0); (630384.0, 4278041.0, 3.9, 3.9, 0.0);
(630384.0, 4278061.0, 3.9, 3.9, 0.0); (630384.0, 4278081.0, 3.9, 3.9, 0.0);
(630384.0, 4278101.0, 3.9, 3.9, 0.0); (630384.0, 4278121.0, 3.7, 3.7, 0.0);
(630384.0, 4278141.0, 3.6, 3.6, 0.0); (630384.0, 4278161.0, 3.7, 3.7, 0.0);
(630404.0, 4277661.0, 4.6, 4.6, 0.0); (630404.0, 4277681.0, 4.6, 4.6, 0.0);
(630404.0, 4277701.0, 4.6, 4.6, 0.0); (630404.0, 4277721.0, 4.5, 4.5, 0.0);
(630404.0, 4277741.0, 4.5, 4.5, 0.0); (630404.0, 4277761.0, 4.3, 4.3, 0.0);
(630404.0, 4277781.0, 4.1, 4.1, 0.0); (630404.0, 4277801.0, 3.8, 3.8, 0.0);
(630404.0, 4277821.0, 3.5, 3.5, 0.0); (630404.0, 4277881.0, 3.8, 3.8, 0.0);
(630404.0, 4277901.0, 3.8, 3.8, 0.0); (630404.0, 4277921.0, 3.7, 3.7, 0.0);
(630404.0, 4277941.0, 3.5, 3.5, 0.0); (630404.0, 4277961.0, 3.5, 3.5, 0.0);
(630404.0, 4277981.0, 3.5, 3.5, 0.0); (630404.0, 4278001.0, 3.6, 3.6, 0.0);
(630404.0, 4278021.0, 3.8, 3.8, 0.0); (630404.0, 4278041.0, 3.9, 3.9, 0.0);
(630404.0, 4278061.0, 3.9, 3.9, 0.0); (630404.0, 4278081.0, 4.0, 4.0, 0.0);
(630404.0, 4278101.0, 3.9, 3.9, 0.0); (630404.0, 4278121.0, 3.7, 3.7, 0.0);
(630404.0, 4278141.0, 3.5, 3.5, 0.0); (630404.0, 4278161.0, 3.4, 3.4, 0.0);
(630424.0, 4277661.0, 4.5, 4.5, 0.0); (630424.0, 4277681.0, 4.5, 4.5, 0.0);
(630424.0, 4277701.0, 4.5, 4.5, 0.0); (630424.0,

```
4277721.0,       4.5,       4.5,       0.0);
     ( 630424.0, 4277741.0,       4.5,       4.5,       0.0);        ( 630424.0,
4277761.0,       4.3,       4.3,       0.0);
     ( 630424.0, 4277781.0,       4.1,       4.1,       0.0);        ( 630424.0,
4277801.0,       3.7,       3.7,       0.0);
     ( 630424.0, 4277821.0,       3.4,       3.4,       0.0);        ( 630424.0,
4277881.0,       3.6,       3.6,       0.0);
     ( 630424.0, 4277901.0,       3.5,       3.5,       0.0);        ( 630424.0,
4277921.0,       3.5,       3.5,       0.0);
     ( 630424.0, 4277941.0,       3.4,       3.4,       0.0);        ( 630424.0,
4277961.0,       3.4,       3.4,       0.0);
     ( 630424.0, 4277981.0,       3.5,       3.5,       0.0);        ( 630424.0,
4278001.0,       3.6,       3.6,       0.0);
     ( 630424.0, 4278021.0,       3.9,       3.9,       0.0);        ( 630424.0,
4278041.0,       4.1,       4.1,       0.0);
     ( 630424.0, 4278061.0,       4.2,       4.2,       0.0);        ( 630424.0,
4278081.0,       4.3,       4.3,       0.0);
     ( 630424.0, 4278101.0,       4.2,       4.2,       0.0);        ( 630424.0,
4278121.0,       3.7,       3.7,       0.0);
     ( 630424.0, 4278141.0,       3.5,       3.5,       0.0);        ( 630424.0,
4278161.0,       3.4,       3.4,       0.0);
     ( 630444.0, 4277661.0,       4.2,       4.2,       0.0);        ( 630444.0,
4277681.0,       4.3,       4.3,       0.0);
     ( 630444.0, 4277701.0,       4.4,       4.4,       0.0);        ( 630444.0,
4277721.0,       4.5,       4.5,       0.0);
     ( 630444.0, 4277741.0,       4.5,       4.5,       0.0);        ( 630444.0,
4277761.0,       4.4,       4.4,       0.0);
     ( 630444.0, 4277781.0,       4.1,       4.1,       0.0);        ( 630444.0,
4277801.0,       3.7,       3.7,       0.0);
     ( 630444.0, 4277821.0,       3.4,       3.4,       0.0);        ( 630444.0,
4277881.0,       3.4,       3.4,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630444.0, 4277901.0, 3.3, 3.3, 0.0); (630444.0, 4277921.0, 3.4, 3.4, 0.0);
(630444.0, 4277941.0, 3.5, 3.5, 0.0); (630444.0, 4277961.0, 3.6, 3.6, 0.0);
(630444.0, 4277981.0, 3.7, 3.7, 0.0); (630444.0, 4278001.0, 3.8, 3.8, 0.0);
(630444.0, 4278021.0, 4.1, 4.1, 0.0); (630444.0, 4278041.0, 4.4, 4.4, 0.0);
(630444.0, 4278061.0, 4.5, 4.5, 0.0); (630444.0, 4278081.0, 4.5, 4.5, 0.0);
(630444.0, 4278101.0, 4.2, 4.2, 0.0); (630444.0, 4278121.0, 3.8, 3.8, 0.0);
(630444.0, 4278141.0, 3.5, 3.5, 0.0); (630444.0, 4278161.0, 3.4, 3.4, 0.0);
(630464.0, 4277661.0, 3.9, 3.9, 0.0); (630464.0, 4277681.0, 4.0, 4.0, 0.0);
(630464.0, 4277701.0, 4.2, 4.2, 0.0); (630464.0, 4277721.0, 4.4, 4.4, 0.0);
(630464.0, 4277741.0, 4.4, 4.4, 0.0); (630464.0, 4277761.0, 4.4, 4.4, 0.0);
(630464.0, 4277781.0, 4.1, 4.1, 0.0); (630464.0, 4277801.0, 3.8, 3.8, 0.0);
(630464.0, 4277821.0, 3.5, 3.5, 0.0); (630464.0, 4277881.0, 3.3, 3.3, 0.0);
(630464.0, 4277901.0, 3.4, 3.4, 0.0); (630464.0, 4277921.0, 3.5, 3.5, 0.0);
(630464.0, 4277941.0, 3.8, 3.8, 0.0); (630464.0, 4277961.0, 3.8, 3.8, 0.0);
(630464.0, 4277981.0, 3.9, 3.9, 0.0); (630464.0, 4278001.0, 4.1, 4.1, 0.0);
(630464.0, 4278021.0, 4.4, 4.4, 0.0); (630464.0, 4278041.0, 4.6, 4.6, 0.0);
(630464.0, 4278061.0, 4.6, 4.6, 0.0); (630464.0, 4278081.0, 4.4, 4.4, 0.0);
(630464.0, 4278101.0, 4.2, 4.2, 0.0); (630464.0, 4278121.0, 3.7, 3.7, 0.0);
(630464.0, 4278141.0, 3.5, 3.5, 0.0); (630464.0, 4278161.0, 3.3, 3.3, 0.0);
(630484.0, 4277661.0, 3.9, 3.9, 0.0); (630484.0, 4277681.0, 4.0, 4.0, 0.0);
(630484.0, 4277701.0, 4.1, 4.1, 0.0); (630484.0, 4277721.0, 4.3, 4.3, 0.0);
(630484.0, 4277741.0, 4.4, 4.4, 0.0); (630484.0, 4277761.0, 4.4, 4.4, 0.0);
(630484.0, 4277781.0, 4.2, 4.2, 0.0); (630484.0, 4277801.0, 4.0, 4.0, 0.0);
(630484.0, 4277821.0, 3.7, 3.7, 0.0); (630484.0, 4277881.0, 3.4, 3.4, 0.0);
(630484.0, 4277901.0, 3.4, 3.4, 0.0); (630484.0, 4277921.0, 3.6, 3.6, 0.0);
(630484.0, 4277941.0, 3.8, 3.8, 0.0); (630484.0, 4277961.0, 3.9, 3.9, 0.0);
(630484.0, 4277981.0, 4.0, 4.0, 0.0); (630484.0, 4278001.0, 4.2, 4.2, 0.0);
(630484.0, 4278021.0, 4.5, 4.5, 0.0); (630484.0, 4278041.0, 4.6, 4.6, 0.0);
(630484.0, 4278061.0, 4.5, 4.5, 0.0); (630484.0, 4278081.0, 4.3, 4.3, 0.0);
(630484.0, 4278101.0, 4.1, 4.1, 0.0); (630484.0,

```
4278121.0,       3.7,       3.7,       0.0);
     ( 630484.0, 4278141.0,       3.5,       3.5,       0.0);        ( 630484.0,
4278161.0,       3.5,       3.5,       0.0);
     ( 630504.0, 4277661.0,       3.9,       3.9,       0.0);        ( 630504.0,
4277681.0,       3.9,       3.9,       0.0);
     ( 630504.0, 4277701.0,       4.0,       4.0,       0.0);        ( 630504.0,
4277721.0,       4.3,       4.3,       0.0);
     ( 630504.0, 4277741.0,       4.3,       4.3,       0.0);        ( 630504.0,
4277761.0,       4.2,       4.2,       0.0);
     ( 630504.0, 4277781.0,       4.1,       4.1,       0.0);        ( 630504.0,
4277801.0,       4.0,       4.0,       0.0);
     ( 630504.0, 4277821.0,       3.7,       3.7,       0.0);        ( 630504.0,
4277881.0,       3.4,       3.4,       0.0);
     ( 630504.0, 4277901.0,       3.6,       3.6,       0.0);        ( 630504.0,
4277921.0,       3.8,       3.8,       0.0);
     ( 630504.0, 4277941.0,       3.9,       3.9,       0.0);        ( 630504.0,
4277961.0,       3.9,       3.9,       0.0);
     ( 630504.0, 4277981.0,       4.0,       4.0,       0.0);        ( 630504.0,
4278001.0,       4.3,       4.3,       0.0);
     ( 630504.0, 4278021.0,       4.5,       4.5,       0.0);        ( 630504.0,
4278041.0,       4.6,       4.6,       0.0);
     ( 630504.0, 4278061.0,       4.5,       4.5,       0.0);        ( 630504.0,
4278081.0,       4.3,       4.3,       0.0);
     ( 630504.0, 4278101.0,       4.1,       4.1,       0.0);        ( 630504.0,
4278121.0,       3.8,       3.8,       0.0);
     ( 630504.0, 4278141.0,       3.7,       3.7,       0.0);        ( 630504.0,
4278161.0,       3.7,       3.7,       0.0);
     ( 630524.0, 4277661.0,       3.7,       3.7,       0.0);        ( 630524.0,
4277681.0,       3.8,       3.8,       0.0);
     ( 630524.0, 4277701.0,       3.9,       3.9,       0.0);        ( 630524.0,
4277721.0,       4.1,       4.1,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630524.0, 4277741.0, 4.1, 4.1, 0.0); (630524.0, 4277761.0, 4.0, 4.0, 0.0);
(630524.0, 4277781.0, 4.0, 4.0, 0.0); (630524.0, 4277801.0, 3.9, 3.9, 0.0);
(630524.0, 4277821.0, 3.7, 3.7, 0.0); (630524.0, 4277881.0, 3.3, 3.3, 0.0);
(630524.0, 4277901.0, 3.8, 3.8, 0.0); (630524.0, 4277921.0, 4.0, 4.0, 0.0);
(630524.0, 4277941.0, 4.0, 4.0, 0.0); (630524.0, 4277961.0, 4.0, 4.0, 0.0);
(630524.0, 4277981.0, 4.1, 4.1, 0.0); (630524.0, 4278001.0, 4.3, 4.3, 0.0);
(630524.0, 4278021.0, 4.5, 4.5, 0.0); (630524.0, 4278041.0, 4.6, 4.6, 0.0);
(630524.0, 4278061.0, 4.5, 4.5, 0.0); (630524.0, 4278081.0, 4.4, 4.4, 0.0);
(630524.0, 4278101.0, 4.1, 4.1, 0.0); (630524.0, 4278121.0, 3.8, 3.8, 0.0);
(630524.0, 4278141.0, 3.7, 3.7, 0.0); (630524.0, 4278161.0, 3.7, 3.7, 0.0);
(630024.0, 4278211.0, 4.2, 4.2, 0.0); (630024.0, 4278261.0, 3.8, 3.8, 0.0);
(630024.0, 4278311.0, 3.8, 3.8, 0.0); (630024.0, 4278361.0, 3.8, 3.8, 0.0);
(630024.0, 4278411.0, 4.0, 4.0, 0.0); (630024.0, 4278461.0, 4.6, 4.6, 0.0);
(630024.0, 4278511.0, 3.6, 3.6, 0.0); (630024.0, 4278561.0, 3.8, 3.8, 0.0);
(630024.0, 4278611.0, 4.2, 4.2, 0.0); (630024.0, 4278711.0, 4.2, 4.2, 0.0);
(630024.0, 4278761.0, 4.1, 4.1, 0.0); (630024.0, 4278811.0, 4.0, 4.0, 0.0);
(630024.0, 4278861.0, 4.0, 4.0, 0.0); (630024.0, 4278911.0, 4.1, 4.1, 0.0);
(630074.0, 4278211.0, 3.8, 3.8, 0.0); (630074.0, 4278261.0, 3.7, 3.7, 0.0);
(630074.0, 4278311.0, 3.8, 3.8, 0.0); (630074.0, 4278361.0, 3.8, 3.8, 0.0);
(630074.0, 4278411.0, 3.8, 3.8, 0.0); (630074.0, 4278461.0, 4.2, 4.2, 0.0);
(630074.0, 4278511.0, 3.7, 3.7, 0.0); (630074.0, 4278561.0, 3.7, 3.7, 0.0);
(630074.0, 4278611.0, 4.1, 4.1, 0.0); (630074.0, 4278711.0, 4.0, 4.0, 0.0);
(630074.0, 4278761.0, 4.1, 4.1, 0.0); (630074.0, 4278811.0, 4.0, 4.0, 0.0);
(630074.0, 4278861.0, 4.0, 4.0, 0.0); (630074.0, 4278911.0, 4.0, 4.0, 0.0);
(630124.0, 4278211.0, 3.6, 3.6, 0.0); (630124.0, 4278261.0, 3.5, 3.5, 0.0);
(630124.0, 4278311.0, 3.5, 3.5, 0.0); (630124.0, 4278361.0, 3.5, 3.5, 0.0);
(630124.0, 4278411.0, 3.5, 3.5, 0.0); (630124.0, 4278461.0, 3.5, 3.5, 0.0);
(630124.0, 4278511.0, 3.8, 3.8, 0.0); (630124.0, 4278561.0, 4.2, 4.2, 0.0);
(630124.0, 4278611.0, 4.3, 4.3, 0.0); (630124.0, 4278711.0, 4.0, 4.0, 0.0);
(630124.0, 4278761.0, 4.0, 4.0, 0.0); (630124.0,

```
4278811.0,       4.1,       4.1,       0.0);
     ( 630124.0, 4278861.0,       4.1,       4.1,       0.0);        ( 630124.0,
4278911.0,       3.8,       3.8,       0.0);
     ( 630174.0, 4278211.0,       3.6,       3.6,       0.0);        ( 630174.0,
4278261.0,       3.5,       3.5,       0.0);
     ( 630174.0, 4278311.0,       3.9,       3.9,       0.0);        ( 630174.0,
4278361.0,       4.0,       4.0,       0.0);
     ( 630174.0, 4278411.0,       3.7,       3.7,       0.0);        ( 630174.0,
4278461.0,       3.9,       3.9,       0.0);
     ( 630174.0, 4278511.0,       4.0,       4.0,       0.0);        ( 630174.0,
4278561.0,       4.2,       4.2,       0.0);
     ( 630174.0, 4278611.0,       4.2,       4.2,       0.0);        ( 630174.0,
4278711.0,       4.1,       4.1,       0.0);
     ( 630174.0, 4278761.0,       3.9,       3.9,       0.0);        ( 630174.0,
4278811.0,       4.1,       4.1,       0.0);
     ( 630174.0, 4278861.0,       4.2,       4.2,       0.0);        ( 630174.0,
4278911.0,       3.9,       3.9,       0.0);
     ( 630224.0, 4278211.0,       3.7,       3.7,       0.0);        ( 630224.0,
4278261.0,       3.8,       3.8,       0.0);
     ( 630224.0, 4278311.0,       3.8,       3.8,       0.0);        ( 630224.0,
4278361.0,       3.9,       3.9,       0.0);
     ( 630224.0, 4278411.0,       3.8,       3.8,       0.0);        ( 630224.0,
4278461.0,       3.9,       3.9,       0.0);
     ( 630224.0, 4278511.0,       4.2,       4.2,       0.0);        ( 630224.0,
4278561.0,       4.3,       4.3,       0.0);
     ( 630224.0, 4278611.0,       4.2,       4.2,       0.0);        ( 630224.0,
4278711.0,       4.1,       4.1,       0.0);
     ( 630224.0, 4278761.0,       4.1,       4.1,       0.0);        ( 630224.0,
4278811.0,       4.1,       4.1,       0.0);
     ( 630224.0, 4278861.0,       4.1,       4.1,       0.0);        ( 630224.0,
4278911.0,       4.0,       4.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630274.0, 4278211.0, 3.6, 3.6, 0.0); (630274.0, 4278261.0, 3.6, 3.6, 0.0);
(630274.0, 4278311.0, 3.8, 3.8, 0.0); (630274.0, 4278361.0, 3.8, 3.8, 0.0);
(630274.0, 4278411.0, 3.8, 3.8, 0.0); (630274.0, 4278461.0, 3.9, 3.9, 0.0);
(630274.0, 4278511.0, 4.0, 4.0, 0.0); (630274.0, 4278561.0, 4.1, 4.1, 0.0);
(630274.0, 4278611.0, 3.8, 3.8, 0.0); (630274.0, 4278711.0, 4.1, 4.1, 0.0);
(630274.0, 4278761.0, 4.1, 4.1, 0.0); (630274.0, 4278811.0, 3.9, 3.9, 0.0);
(630274.0, 4278861.0, 4.3, 4.3, 0.0); (630274.0, 4278911.0, 4.4, 4.4, 0.0);
(630374.0, 4278211.0, 4.1, 4.1, 0.0); (630374.0, 4278261.0, 3.6, 3.6, 0.0);
(630374.0, 4278311.0, 3.8, 3.8, 0.0); (630374.0, 4278361.0, 4.0, 4.0, 0.0);
(630374.0, 4278411.0, 3.4, 3.4, 0.0); (630374.0, 4278461.0, 3.5, 3.5, 0.0);
(630374.0, 4278511.0, 3.3, 3.3, 0.0); (630374.0, 4278561.0, 3.8, 3.8, 0.0);
(630374.0, 4278611.0, 3.7, 3.7, 0.0); (630374.0, 4278711.0, 3.8, 3.8, 0.0);
(630374.0, 4278761.0, 3.8, 3.8, 0.0); (630374.0, 4278811.0, 3.7, 3.7, 0.0);
(630374.0, 4278861.0, 4.4, 4.4, 0.0); (630374.0, 4278911.0, 4.0, 4.0, 0.0);
(630424.0, 4278211.0, 3.8, 3.8, 0.0); (630424.0, 4278261.0, 3.6, 3.6, 0.0);
(630424.0, 4278311.0, 3.7, 3.7, 0.0); (630424.0, 4278361.0, 3.9, 3.9, 0.0);
(630424.0, 4278411.0, 3.4, 3.4, 0.0); (630424.0, 4278461.0, 3.5, 3.5, 0.0);
(630424.0, 4278511.0, 3.3, 3.3, 0.0); (630424.0, 4278561.0, 3.8, 3.8, 0.0);
(630424.0, 4278611.0, 3.7, 3.7, 0.0); (630424.0, 4278711.0, 3.9, 3.9, 0.0);
(630424.0, 4278761.0, 3.9, 3.9, 0.0); (630424.0, 4278811.0, 3.7, 3.7, 0.0);
(630424.0, 4278861.0, 4.0, 4.0, 0.0); (630424.0, 4278911.0, 3.8, 3.8, 0.0);
(630474.0, 4278211.0, 3.8, 3.8, 0.0); (630474.0, 4278261.0, 3.6, 3.6, 0.0);
(630474.0, 4278311.0, 3.7, 3.7, 0.0); (630474.0, 4278361.0, 4.0, 4.0, 0.0);
(630474.0, 4278411.0, 3.6, 3.6, 0.0); (630474.0, 4278461.0, 3.8, 3.8, 0.0);
(630474.0, 4278511.0, 3.8, 3.8, 0.0); (630474.0, 4278561.0, 4.0, 4.0, 0.0);
(630474.0, 4278611.0, 3.8, 3.8, 0.0); (630474.0, 4278711.0, 3.5, 3.5, 0.0);
(630474.0, 4278761.0, 3.5, 3.5, 0.0); (630474.0, 4278811.0, 3.5, 3.5, 0.0);
(630474.0, 4278861.0, 4.3, 4.3, 0.0); (630474.0, 4278911.0, 4.4, 4.4, 0.0);
(630524.0, 4278211.0, 4.0, 4.0, 0.0); (630524.0, 4278261.0, 3.8, 3.8, 0.0);
(630524.0, 4278311.0, 3.7, 3.7, 0.0); (630524.0,

```
4278361.0,       3.9,       3.9,       0.0);
     ( 630524.0, 4278411.0,       3.9,       3.9,       0.0);        ( 630524.0,
4278461.0,       3.9,       3.9,       0.0);
     ( 630524.0, 4278511.0,       3.7,       3.7,       0.0);        ( 630524.0,
4278561.0,       4.1,       4.1,       0.0);
     ( 630524.0, 4278611.0,       4.0,       4.0,       0.0);        ( 630524.0,
4278711.0,       3.8,       3.8,       0.0);
     ( 630524.0, 4278761.0,       3.8,       3.8,       0.0);        ( 630524.0,
4278811.0,       3.6,       3.6,       0.0);
     ( 630524.0, 4278861.0,       4.0,       4.0,       0.0);        ( 630524.0,
4278911.0,       4.3,       4.3,       0.0);
     ( 630574.0, 4278211.0,       3.6,       3.6,       0.0);        ( 630574.0,
4278261.0,       3.5,       3.5,       0.0);
     ( 630574.0, 4278311.0,       3.7,       3.7,       0.0);        ( 630574.0,
4278361.0,       4.0,       4.0,       0.0);
     ( 630574.0, 4278411.0,       3.9,       3.9,       0.0);        ( 630574.0,
4278461.0,       3.8,       3.8,       0.0);
     ( 630574.0, 4278511.0,       3.6,       3.6,       0.0);        ( 630574.0,
4278561.0,       4.1,       4.1,       0.0);
     ( 630574.0, 4278611.0,       4.0,       4.0,       0.0);        ( 630574.0,
4278711.0,       4.5,       4.5,       0.0);
     ( 630574.0, 4278761.0,       4.5,       4.5,       0.0);        ( 630574.0,
4278811.0,       3.9,       3.9,       0.0);
     ( 630574.0, 4278861.0,       3.9,       3.9,       0.0);        ( 630574.0,
4278911.0,       4.3,       4.3,       0.0);
     ( 630624.0, 4278211.0,       3.8,       3.8,       0.0);        ( 630624.0,
4278261.0,       3.8,       3.8,       0.0);
     ( 630624.0, 4278311.0,       3.6,       3.6,       0.0);        ( 630624.0,
4278361.0,       4.0,       4.0,       0.0);
     ( 630624.0, 4278411.0,       3.9,       3.9,       0.0);        ( 630624.0,
4278461.0,       3.6,       3.6,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630624.0, 4278511.0, 3.6, 3.6, 0.0); (630624.0, 4278561.0, 3.9, 3.9, 0.0);
(630624.0, 4278611.0, 3.9, 3.9, 0.0); (630624.0, 4278711.0, 4.5, 4.5, 0.0);
(630624.0, 4278761.0, 4.5, 4.5, 0.0); (630624.0, 4278811.0, 4.0, 4.0, 0.0);
(630624.0, 4278861.0, 3.9, 3.9, 0.0); (630624.0, 4278911.0, 4.3, 4.3, 0.0);
(630674.0, 4278211.0, 3.8, 3.8, 0.0); (630674.0, 4278261.0, 3.6, 3.6, 0.0);
(630674.0, 4278311.0, 3.6, 3.6, 0.0); (630674.0, 4278361.0, 4.0, 4.0, 0.0);
(630674.0, 4278411.0, 3.9, 3.9, 0.0); (630674.0, 4278461.0, 3.7, 3.7, 0.0);
(630674.0, 4278511.0, 3.6, 3.6, 0.0); (630674.0, 4278561.0, 4.0, 4.0, 0.0);
(630674.0, 4278611.0, 3.8, 3.8, 0.0); (630674.0, 4278711.0, 4.0, 4.0, 0.0);
(630674.0, 4278761.0, 4.1, 4.1, 0.0); (630674.0, 4278811.0, 3.7, 3.7, 0.0);
(630674.0, 4278861.0, 4.1, 4.1, 0.0); (630674.0, 4278911.0, 4.4, 4.4, 0.0);
(630724.0, 4278211.0, 3.8, 3.8, 0.0); (630724.0, 4278261.0, 3.7, 3.7, 0.0);
(630724.0, 4278311.0, 3.4, 3.4, 0.0); (630724.0, 4278361.0, 3.7, 3.7, 0.0);
(630724.0, 4278411.0, 3.7, 3.7, 0.0); (630724.0, 4278461.0, 3.8, 3.8, 0.0);
(630724.0, 4278511.0, 4.0, 4.0, 0.0); (630724.0, 4278561.0, 3.8, 3.8, 0.0);
(630724.0, 4278611.0, 3.7, 3.7, 0.0); (630724.0, 4278711.0, 3.8, 3.8, 0.0);
(630724.0, 4278761.0, 3.9, 3.9, 0.0); (630724.0, 4278811.0, 3.7, 3.7, 0.0);
(630724.0, 4278861.0, 4.4, 4.4, 0.0); (630724.0, 4278911.0, 4.5, 4.5, 0.0);
(630774.0, 4278211.0, 3.3, 3.3, 0.0); (630774.0, 4278261.0, 3.7, 3.7, 0.0);
(630774.0, 4278311.0, 3.5, 3.5, 0.0); (630774.0, 4278361.0, 3.4, 3.4, 0.0);
(630774.0, 4278411.0, 3.3, 3.3, 0.0); (630774.0, 4278461.0, 3.7, 3.7, 0.0);
(630774.0, 4278511.0, 4.1, 4.1, 0.0); (630774.0, 4278561.0, 3.9, 3.9, 0.0);
(630774.0, 4278611.0, 3.8, 3.8, 0.0); (630774.0, 4278711.0, 4.2, 4.2, 0.0);
(630774.0, 4278761.0, 4.2, 4.2, 0.0); (630774.0, 4278811.0, 4.0, 4.0, 0.0);
(630774.0, 4278861.0, 4.2, 4.2, 0.0); (630774.0, 4278911.0, 4.6, 4.6, 0.0);
(630824.0, 4278211.0, 3.7, 3.7, 0.0); (630824.0, 4278261.0, 3.8, 3.8, 0.0);
(630824.0, 4278311.0, 3.5, 3.5, 0.0); (630824.0, 4278361.0, 3.9, 3.9, 0.0);
(630824.0, 4278411.0, 3.8, 3.8, 0.0); (630824.0, 4278461.0, 3.8, 3.8, 0.0);
(630824.0, 4278511.0, 3.7, 3.7, 0.0); (630824.0, 4278561.0, 3.6, 3.6, 0.0);
(630824.0, 4278611.0, 3.6, 3.6, 0.0); (630824.0,

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4278711.0,       3.8,       3.8,       0.0);
     ( 630824.0, 4278761.0,       3.8,       3.8,       0.0);         ( 630824.0,
4278811.0,       3.8,       3.8,       0.0);
     ( 630824.0, 4278861.0,       4.3,       4.3,       0.0);         ( 630824.0,
4278911.0,       4.4,       4.4,       0.0);
     ( 630874.0, 4278211.0,       3.8,       3.8,       0.0);         ( 630874.0,
4278261.0,       3.8,       3.8,       0.0);
     ( 630874.0, 4278311.0,       3.5,       3.5,       0.0);         ( 630874.0,
4278361.0,       3.6,       3.6,       0.0);
     ( 630874.0, 4278411.0,       3.6,       3.6,       0.0);         ( 630874.0,
4278461.0,       3.5,       3.5,       0.0);
     ( 630874.0, 4278511.0,       4.0,       4.0,       0.0);         ( 630874.0,
4278561.0,       3.9,       3.9,       0.0);
     ( 630874.0, 4278611.0,       3.8,       3.8,       0.0);         ( 630874.0,
4278711.0,       4.0,       4.0,       0.0);
     ( 630874.0, 4278761.0,       4.0,       4.0,       0.0);         ( 630874.0,
4278811.0,       4.0,       4.0,       0.0);
     ( 630874.0, 4278861.0,       4.2,       4.2,       0.0);         ( 630874.0,
4278911.0,       4.2,       4.2,       0.0);
     ( 630924.0, 4278211.0,       3.7,       3.7,       0.0);         ( 630924.0,
4278261.0,       3.7,       3.7,       0.0);
     ( 630924.0, 4278311.0,       3.5,       3.5,       0.0);         ( 630924.0,
4278361.0,       4.0,       4.0,       0.0);
     ( 630924.0, 4278411.0,       4.1,       4.1,       0.0);         ( 630924.0,
4278461.0,       4.0,       4.0,       0.0);
     ( 630924.0, 4278511.0,       4.5,       4.5,       0.0);         ( 630924.0,
4278561.0,       4.3,       4.3,       0.0);
     ( 630924.0, 4278611.0,       4.2,       4.2,       0.0);         ( 630924.0,
4278711.0,       4.2,       4.2,       0.0);
     ( 630924.0, 4278761.0,       4.3,       4.3,       0.0);         ( 630924.0,
4278811.0,       4.3,       4.3,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630924.0, 4278861.0, 4.5, 4.5, 0.0); (630924.0, 4278911.0, 4.5, 4.5, 0.0);
(630974.0, 4278211.0, 3.2, 3.2, 0.0); (630974.0, 4278261.0, 3.7, 3.7, 0.0);
(630974.0, 4278311.0, 3.3, 3.3, 0.0); (630974.0, 4278361.0, 4.0, 4.0, 0.0);
(630974.0, 4278411.0, 3.9, 3.9, 0.0); (630974.0, 4278461.0, 3.9, 3.9, 0.0);
(630974.0, 4278511.0, 4.3, 4.3, 0.0); (630974.0, 4278561.0, 4.1, 4.1, 0.0);
(630974.0, 4278611.0, 4.1, 4.1, 0.0); (630974.0, 4278711.0, 4.3, 4.3, 0.0);
(630974.0, 4278761.0, 4.3, 4.3, 0.0); (630974.0, 4278811.0, 4.3, 4.3, 0.0);
(630974.0, 4278861.0, 4.5, 4.5, 0.0); (630974.0, 4278911.0, 4.5, 4.5, 0.0);
(631024.0, 4278211.0, 3.6, 3.6, 0.0); (631024.0, 4278261.0, 3.8, 3.8, 0.0);
(631024.0, 4278311.0, 3.5, 3.5, 0.0); (631024.0, 4278361.0, 4.5, 4.5, 0.0);
(631024.0, 4278411.0, 4.1, 4.1, 0.0); (631024.0, 4278461.0, 4.0, 4.0, 0.0);
(631024.0, 4278511.0, 4.3, 4.3, 0.0); (631024.0, 4278561.0, 4.1, 4.1, 0.0);
(631024.0, 4278611.0, 4.2, 4.2, 0.0); (631024.0, 4278711.0, 4.2, 4.2, 0.0);
(631024.0, 4278761.0, 4.3, 4.3, 0.0); (631024.0, 4278811.0, 4.3, 4.3, 0.0);
(631024.0, 4278861.0, 4.5, 4.5, 0.0); (631024.0, 4278911.0, 4.5, 4.5, 0.0);
(631074.0, 4278211.0, 4.0, 4.0, 0.0); (631074.0, 4278261.0, 4.0, 4.0, 0.0);
(631074.0, 4278311.0, 3.6, 3.6, 0.0); (631074.0, 4278361.0, 4.5, 4.5, 0.0);
(631074.0, 4278411.0, 4.7, 4.7, 0.0); (631074.0, 4278461.0, 4.2, 4.2, 0.0);
(631074.0, 4278511.0, 4.4, 4.4, 0.0); (631074.0, 4278561.0, 4.0, 4.0, 0.0);
(631074.0, 4278611.0, 4.2, 4.2, 0.0); (631074.0, 4278711.0, 4.3, 4.3, 0.0);
(631074.0, 4278761.0, 4.4, 4.4, 0.0); (631074.0, 4278811.0, 4.4, 4.4, 0.0);
(631074.0, 4278861.0, 4.2, 4.2, 0.0); (631074.0, 4278911.0, 4.5, 4.5, 0.0);
(631124.0, 4278211.0, 4.1, 4.1, 0.0); (631124.0, 4278261.0, 4.2, 4.2, 0.0);
(631124.0, 4278311.0, 3.7, 3.7, 0.0); (631124.0, 4278361.0, 4.2, 4.2, 0.0);
(631124.0, 4278411.0, 4.5, 4.5, 0.0); (631124.0, 4278461.0, 4.2, 4.2, 0.0);
(631124.0, 4278511.0, 4.2, 4.2, 0.0); (631124.0, 4278561.0, 4.3, 4.3, 0.0);
(631124.0, 4278611.0, 4.3, 4.3, 0.0); (631124.0, 4278711.0, 4.3, 4.3, 0.0);
(631124.0, 4278761.0, 4.4, 4.4, 0.0); (631124.0, 4278811.0, 4.4, 4.4, 0.0);
(631124.0, 4278861.0, 4.6, 4.6, 0.0); (631124.0, 4278911.0, 4.9, 4.9, 0.0);
(631174.0, 4278211.0, 4.0, 4.0, 0.0); (631174.0,

```
4278261.0,       4.0,       4.0,       0.0);
     ( 631174.0, 4278311.0,       3.8,       3.8,       0.0);        ( 631174.0,
4278361.0,       4.3,       4.3,       0.0);
     ( 631174.0, 4278411.0,       4.3,       4.3,       0.0);        ( 631174.0,
4278461.0,       4.4,       4.4,       0.0);
     ( 631174.0, 4278511.0,       4.3,       4.3,       0.0);        ( 631174.0,
4278561.0,       4.4,       4.4,       0.0);
     ( 631174.0, 4278611.0,       4.6,       4.6,       0.0);        ( 631174.0,
4278711.0,       4.5,       4.5,       0.0);
     ( 631174.0, 4278761.0,       4.1,       4.1,       0.0);        ( 631174.0,
4278811.0,       4.1,       4.1,       0.0);
     ( 631174.0, 4278861.0,       4.4,       4.4,       0.0);        ( 631174.0,
4278911.0,       5.0,       5.0,       0.0);
     ( 631224.0, 4278211.0,       4.5,       4.5,       0.0);        ( 631224.0,
4278261.0,       4.2,       4.2,       0.0);
     ( 631224.0, 4278311.0,       3.5,       3.5,       0.0);        ( 631224.0,
4278361.0,       4.1,       4.1,       0.0);
     ( 631224.0, 4278411.0,       4.1,       4.1,       0.0);        ( 631224.0,
4278461.0,       4.1,       4.1,       0.0);
     ( 631224.0, 4278511.0,       4.0,       4.0,       0.0);        ( 631224.0,
4278561.0,       4.5,       4.5,       0.0);
     ( 631224.0, 4278611.0,       4.6,       4.6,       0.0);        ( 631224.0,
4278711.0,       4.5,       4.5,       0.0);
     ( 631224.0, 4278761.0,       4.5,       4.5,       0.0);        ( 631224.0,
4278811.0,       4.5,       4.5,       0.0);
     ( 631224.0, 4278861.0,       4.6,       4.6,       0.0);        ( 631224.0,
4278911.0,       5.0,       5.0,       0.0);
     ( 631274.0, 4278311.0,       3.4,       3.4,       0.0);        ( 631274.0,
4278361.0,       4.2,       4.2,       0.0);
     ( 631274.0, 4278411.0,       3.8,       3.8,       0.0);        ( 631274.0,
4278461.0,       4.0,       4.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(631274.0, 4278511.0, 4.1, 4.1, 0.0); (631274.0, 4278561.0, 4.4, 4.4, 0.0);
(631274.0, 4278611.0, 4.7, 4.7, 0.0); (631274.0, 4278661.0, 3.7, 3.7, 0.0);
(631274.0, 4278711.0, 4.5, 4.5, 0.0); (631274.0, 4278761.0, 4.6, 4.6, 0.0);
(631274.0, 4278811.0, 4.5, 4.5, 0.0); (631274.0, 4278861.0, 4.7, 4.7, 0.0);
(631274.0, 4278911.0, 5.1, 5.1, 0.0); (630574.0, 4278161.0, 3.5, 3.5, 0.0);
(630574.0, 4278111.0, 4.0, 4.0, 0.0); (630574.0, 4278061.0, 4.5, 4.5, 0.0);
(630574.0, 4278011.0, 4.5, 4.5, 0.0); (630574.0, 4277511.0, 4.1, 4.1, 0.0);
(630574.0, 4277461.0, 3.7, 3.7, 0.0); (630574.0, 4277411.0, 4.3, 4.3, 0.0);
(630574.0, 4277311.0, 4.1, 4.1, 0.0); (630574.0, 4277161.0, 9.5, 9.5, 0.0);
(630574.0, 4277111.0, 10.3, 10.3, 0.0); (630574.0, 4276961.0, 3.6, 3.6, 0.0);
(630574.0, 4276911.0, 4.0, 4.0, 0.0); (630624.0, 4278161.0, 3.2, 3.2, 0.0);
(630624.0, 4278111.0, 4.1, 4.1, 0.0); (630624.0, 4278061.0, 4.2, 4.2, 0.0);
(630624.0, 4278011.0, 4.4, 4.4, 0.0); (630624.0, 4277961.0, 3.9, 3.9, 0.0);
(630624.0, 4277911.0, 3.6, 3.6, 0.0); (630624.0, 4277811.0, 3.6, 3.6, 0.0);
(630624.0, 4277761.0, 3.3, 3.3, 0.0); (630624.0, 4277711.0, 3.2, 3.2, 0.0);
(630624.0, 4277661.0, 3.1, 3.1, 0.0); (630624.0, 4277561.0, 3.5, 3.5, 0.0);
(630624.0, 4277511.0, 4.2, 4.2, 0.0); (630624.0, 4277461.0, 3.7, 3.7, 0.0);
(630624.0, 4277411.0, 4.2, 4.2, 0.0); (630624.0, 4277311.0, 4.4, 4.4, 0.0);
(630624.0, 4277211.0, 4.7, 4.7, 0.0); (630624.0, 4276911.0, 3.7, 3.7, 0.0);
(630674.0, 4278161.0, 3.5, 3.5, 0.0); (630674.0, 4278111.0, 4.4, 4.4, 0.0);
(630674.0, 4278061.0, 4.7, 4.7, 0.0); (630674.0, 4278011.0, 4.4, 4.4, 0.0);
(630674.0, 4277961.0, 3.9, 3.9, 0.0); (630674.0, 4277911.0, 3.5, 3.5, 0.0);
(630674.0, 4277861.0, 3.4, 3.4, 0.0); (630674.0, 4277811.0, 3.6, 3.6, 0.0);
(630674.0, 4277761.0, 3.7, 3.7, 0.0); (630674.0, 4277711.0, 3.5, 3.5, 0.0);
(630674.0, 4277661.0, 3.1, 3.1, 0.0); (630674.0, 4277561.0, 3.8, 3.8, 0.0);
(630674.0, 4277511.0, 4.2, 4.2, 0.0); (630674.0, 4277461.0, 4.2, 4.2, 0.0);
(630674.0, 4277411.0, 4.7, 4.7, 0.0); (630674.0, 4277211.0, 3.7, 3.7, 0.0);
(630674.0, 4277161.0, 3.5, 3.5, 0.0); (630674.0, 4277111.0, 3.5, 3.5, 0.0);
(630674.0, 4277061.0, 4.3, 4.3, 0.0); (630674.0, 4277011.0, 5.0, 5.0, 0.0);
(630724.0, 4278161.0, 3.5, 3.5, 0.0); (630724.0,

```
4278111.0,       4.1,       4.1,       0.0);
     ( 630724.0, 4278061.0,       4.4,       4.4,       0.0);        ( 630724.0,
4278011.0,       4.4,       4.4,       0.0);
     ( 630724.0, 4277961.0,       3.9,       3.9,       0.0);        ( 630724.0,
4277911.0,       3.6,       3.6,       0.0);
     ( 630724.0, 4277861.0,       3.5,       3.5,       0.0);        ( 630724.0,
4277811.0,       3.5,       3.5,       0.0);
     ( 630724.0, 4277761.0,       3.6,       3.6,       0.0);        ( 630724.0,
4277711.0,       3.6,       3.6,       0.0);
     ( 630724.0, 4277661.0,       3.3,       3.3,       0.0);        ( 630724.0,
4277611.0,       3.4,       3.4,       0.0);
     ( 630724.0, 4277561.0,       3.8,       3.8,       0.0);        ( 630724.0,
4277511.0,       3.7,       3.7,       0.0);
     ( 630724.0, 4277461.0,       3.7,       3.7,       0.0);        ( 630724.0,
4277411.0,       4.6,       4.6,       0.0);
     ( 630724.0, 4277261.0,       3.7,       3.7,       0.0);        ( 630724.0,
4277211.0,       3.5,       3.5,       0.0);
     ( 630724.0, 4277161.0,       3.5,       3.5,       0.0);        ( 630724.0,
4277111.0,       3.5,       3.5,       0.0);
     ( 630724.0, 4277061.0,       3.9,       3.9,       0.0);        ( 630724.0,
4277011.0,       4.1,       4.1,       0.0);
     ( 630724.0, 4276961.0,       4.0,       4.0,       0.0);        ( 630774.0,
4278161.0,       3.1,       3.1,       0.0);
     ( 630774.0, 4278111.0,       4.0,       4.0,       0.0);        ( 630774.0,
4278061.0,       4.2,       4.2,       0.0);
     ( 630774.0, 4278011.0,       4.2,       4.2,       0.0);        ( 630774.0,
4277961.0,       3.7,       3.7,       0.0);
     ( 630774.0, 4277911.0,       3.5,       3.5,       0.0);        ( 630774.0,
4277861.0,       3.8,       3.8,       0.0);
     ( 630774.0, 4277761.0,       3.1,       3.1,       0.0);        ( 630774.0,
4277711.0,       3.2,       3.2,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630774.0, 4277611.0, 3.3, 3.3, 0.0); (630774.0, 4277561.0, 3.6, 3.6, 0.0);
(630774.0, 4277511.0, 3.1, 3.1, 0.0); (630774.0, 4277461.0, 3.5, 3.5, 0.0);
(630774.0, 4277311.0, 4.3, 4.3, 0.0); (630774.0, 4277261.0, 3.6, 3.6, 0.0);
(630774.0, 4277211.0, 3.5, 3.5, 0.0); (630774.0, 4277161.0, 3.6, 3.6, 0.0);
(630774.0, 4277111.0, 3.8, 3.8, 0.0); (630774.0, 4277061.0, 4.3, 4.3, 0.0);
(630774.0, 4277011.0, 4.3, 4.3, 0.0); (630774.0, 4276961.0, 3.9, 3.9, 0.0);
(630774.0, 4276911.0, 3.9, 3.9, 0.0); (630824.0, 4278161.0, 3.4, 3.4, 0.0);
(630824.0, 4278111.0, 4.1, 4.1, 0.0); (630824.0, 4278061.0, 4.5, 4.5, 0.0);
(630824.0, 4278011.0, 4.2, 4.2, 0.0); (630824.0, 4277961.0, 3.7, 3.7, 0.0);
(630824.0, 4277911.0, 3.4, 3.4, 0.0); (630824.0, 4277861.0, 3.8, 3.8, 0.0);
(630824.0, 4277811.0, 3.4, 3.4, 0.0); (630824.0, 4277661.0, 3.5, 3.5, 0.0);
(630824.0, 4277611.0, 3.6, 3.6, 0.0); (630824.0, 4277561.0, 3.1, 3.1, 0.0);
(630824.0, 4277511.0, 2.3, 2.3, 0.0); (630824.0, 4277461.0, 4.7, 4.7, 0.0);
(630824.0, 4277311.0, 3.9, 3.9, 0.0); (630824.0, 4277261.0, 3.5, 3.5, 0.0);
(630824.0, 4277211.0, 3.4, 3.4, 0.0); (630824.0, 4277161.0, 3.5, 3.5, 0.0);
(630824.0, 4277111.0, 3.7, 3.7, 0.0); (630824.0, 4277061.0, 3.9, 3.9, 0.0);
(630824.0, 4277011.0, 3.8, 3.8, 0.0); (630824.0, 4276961.0, 3.9, 3.9, 0.0);
(630824.0, 4276911.0, 4.1, 4.1, 0.0); (630874.0, 4278161.0, 3.9, 3.9, 0.0);
(630874.0, 4278111.0, 4.0, 4.0, 0.0); (630874.0, 4278061.0, 4.4, 4.4, 0.0);
(630874.0, 4278011.0, 4.1, 4.1, 0.0); (630874.0, 4277961.0, 3.6, 3.6, 0.0);
(630874.0, 4277911.0, 3.4, 3.4, 0.0); (630874.0, 4277861.0, 3.5, 3.5, 0.0);
(630874.0, 4277811.0, 3.5, 3.5, 0.0); (630874.0, 4277711.0, 3.4, 3.4, 0.0);
(630874.0, 4277661.0, 3.9, 3.9, 0.0); (630874.0, 4277611.0, 3.7, 3.7, 0.0);
(630874.0, 4277561.0, 2.1, 2.1, 0.0); (630874.0, 4277511.0, 3.8, 3.8, 0.0);
(630874.0, 4277361.0, 3.8, 3.8, 0.0); (630874.0, 4277311.0, 3.9, 3.9, 0.0);
(630874.0, 4277261.0, 3.6, 3.6, 0.0); (630874.0, 4277211.0, 3.5, 3.5, 0.0);
(630874.0, 4277161.0, 3.5, 3.5, 0.0); (630874.0, 4277111.0, 3.6, 3.6, 0.0);
(630874.0, 4277061.0, 3.7, 3.7, 0.0); (630874.0, 4277011.0, 3.7, 3.7, 0.0);
(630874.0, 4276961.0, 4.0, 4.0, 0.0); (630874.0, 4276911.0, 4.1, 4.1, 0.0);
(630924.0, 4278161.0, 3.8, 3.8, 0.0); (630924.0,

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4278111.0,       3.8,       3.8,       0.0);
     ( 630924.0, 4278061.0,       4.3,       4.3,       0.0);        ( 630924.0,
4278011.0,       4.0,       4.0,       0.0);
     ( 630924.0, 4277961.0,       3.5,       3.5,       0.0);        ( 630924.0,
4277911.0,       3.5,       3.5,       0.0);
     ( 630924.0, 4277861.0,       3.5,       3.5,       0.0);        ( 630924.0,
4277811.0,       3.6,       3.6,       0.0);
     ( 630924.0, 4277761.0,       3.5,       3.5,       0.0);        ( 630924.0,
4277661.0,       3.8,       3.8,       0.0);
     ( 630924.0, 4277611.0,       2.9,       2.9,       0.0);        ( 630924.0,
4277561.0,       2.4,       2.4,       0.0);
     ( 630924.0, 4277511.0,       5.2,       5.2,       0.0);        ( 630924.0,
4277411.0,       3.7,       3.7,       0.0);
     ( 630924.0, 4277361.0,       3.8,       3.8,       0.0);        ( 630924.0,
4277311.0,       3.9,       3.9,       0.0);
     ( 630924.0, 4277261.0,       3.6,       3.6,       0.0);        ( 630924.0,
4277211.0,       3.6,       3.6,       0.0);
     ( 630924.0, 4277161.0,       3.5,       3.5,       0.0);        ( 630924.0,
4277111.0,       3.6,       3.6,       0.0);
     ( 630924.0, 4277061.0,       3.7,       3.7,       0.0);        ( 630924.0,
4277011.0,       3.7,       3.7,       0.0);
     ( 630924.0, 4276961.0,       3.7,       3.7,       0.0);        ( 630924.0,
4276911.0,       3.8,       3.8,       0.0);
     ( 630974.0, 4278161.0,       3.8,       3.8,       0.0);        ( 630974.0,
4278111.0,       3.8,       3.8,       0.0);
     ( 630974.0, 4278061.0,       3.9,       3.9,       0.0);        ( 630974.0,
4278011.0,       4.2,       4.2,       0.0);
     ( 630974.0, 4277961.0,       3.9,       3.9,       0.0);        ( 630974.0,
4277911.0,       3.5,       3.5,       0.0);
     ( 630974.0, 4277861.0,       3.5,       3.5,       0.0);        ( 630974.0,
4277811.0,       3.6,       3.6,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630974.0, 4277761.0, 3.7, 3.7, 0.0); (630974.0, 4277661.0, 3.5, 3.5, 0.0);
(630974.0, 4277611.0, 1.7, 1.7, 0.0); (630974.0, 4277561.0, 4.4, 4.4, 0.0);
(630974.0, 4277461.0, 4.2, 4.2, 0.0); (630974.0, 4277411.0, 3.7, 3.7, 0.0);
(630974.0, 4277361.0, 3.8, 3.8, 0.0); (630974.0, 4277311.0, 4.0, 4.0, 0.0);
(630974.0, 4277261.0, 3.7, 3.7, 0.0); (630974.0, 4277211.0, 3.9, 3.9, 0.0);
(630974.0, 4277161.0, 3.9, 3.9, 0.0); (630974.0, 4277111.0, 3.7, 3.7, 0.0);
(630974.0, 4277061.0, 3.7, 3.7, 0.0); (630974.0, 4277011.0, 3.7, 3.7, 0.0);
(630974.0, 4276961.0, 3.7, 3.7, 0.0); (630974.0, 4276911.0, 3.7, 3.7, 0.0);
(631024.0, 4278161.0, 3.8, 3.8, 0.0); (631024.0, 4278111.0, 3.9, 3.9, 0.0);
(631024.0, 4278061.0, 4.1, 4.1, 0.0); (631024.0, 4278011.0, 4.3, 4.3, 0.0);
(631024.0, 4277961.0, 4.3, 4.3, 0.0); (631024.0, 4277911.0, 3.9, 3.9, 0.0);
(631024.0, 4277861.0, 3.5, 3.5, 0.0); (631024.0, 4277811.0, 3.6, 3.6, 0.0);
(631024.0, 4277761.0, 3.8, 3.8, 0.0); (631024.0, 4277711.0, 3.7, 3.7, 0.0);
(631024.0, 4277611.0, 3.7, 3.7, 0.0); (631024.0, 4277411.0, 4.5, 4.5, 0.0);
(631024.0, 4277361.0, 4.3, 4.3, 0.0); (631024.0, 4277311.0, 4.1, 4.1, 0.0);
(631024.0, 4277261.0, 3.7, 3.7, 0.0); (631024.0, 4277211.0, 3.4, 3.4, 0.0);
(631024.0, 4277161.0, 3.9, 3.9, 0.0); (631024.0, 4277111.0, 3.7, 3.7, 0.0);
(631024.0, 4277061.0, 3.8, 3.8, 0.0); (631024.0, 4277011.0, 3.8, 3.8, 0.0);
(631024.0, 4276961.0, 3.8, 3.8, 0.0); (631024.0, 4276911.0, 3.8, 3.8, 0.0);
(631074.0, 4278161.0, 4.1, 4.1, 0.0); (631074.0, 4278111.0, 3.9, 3.9, 0.0);
(631074.0, 4278061.0, 3.9, 3.9, 0.0); (631074.0, 4278011.0, 4.3, 4.3, 0.0);
(631074.0, 4277961.0, 4.1, 4.1, 0.0); (631074.0, 4277911.0, 4.0, 4.0, 0.0);
(631074.0, 4277861.0, 3.8, 3.8, 0.0); (631074.0, 4277811.0, 3.9, 3.9, 0.0);
(631074.0, 4277761.0, 4.1, 4.1, 0.0); (631074.0, 4277711.0, 3.6, 3.6, 0.0);
(631074.0, 4277461.0, 4.2, 4.2, 0.0); (631074.0, 4277311.0, 4.2, 4.2, 0.0);
(631074.0, 4277261.0, 3.8, 3.8, 0.0); (631074.0, 4277211.0, 3.3, 3.3, 0.0);
(631074.0, 4277161.0, 3.8, 3.8, 0.0); (631074.0, 4277111.0, 3.8, 3.8, 0.0);
(631074.0, 4277061.0, 4.0, 4.0, 0.0); (631074.0, 4277011.0, 3.9, 3.9, 0.0);
(631074.0, 4276961.0, 4.0, 4.0, 0.0); (631074.0, 4276911.0, 4.1, 4.1, 0.0);
(631124.0, 4278161.0, 4.1, 4.1, 0.0); (631124.0,

```
4278111.0,       3.9,       3.9,       0.0);
     ( 631124.0, 4278061.0,       3.8,       3.8,       0.0);        ( 631124.0,
4278011.0,       3.9,       3.9,       0.0);
     ( 631124.0, 4277961.0,       3.7,       3.7,       0.0);        ( 631124.0,
4277911.0,       3.8,       3.8,       0.0);
     ( 631124.0, 4277861.0,       3.8,       3.8,       0.0);        ( 631124.0,
4277811.0,       3.9,       3.9,       0.0);
     ( 631124.0, 4277761.0,       3.9,       3.9,       0.0);        ( 631124.0,
4277711.0,       3.8,       3.8,       0.0);
     ( 631124.0, 4277461.0,       4.7,       4.7,       0.0);        ( 631124.0,
4277411.0,       4.8,       4.8,       0.0);
     ( 631124.0, 4277261.0,       3.8,       3.8,       0.0);        ( 631124.0,
4277211.0,       3.3,       3.3,       0.0);
     ( 631124.0, 4277161.0,       3.4,       3.4,       0.0);        ( 631124.0,
4277111.0,       3.6,       3.6,       0.0);
     ( 631124.0, 4277061.0,       3.5,       3.5,       0.0);        ( 631124.0,
4277011.0,       3.4,       3.4,       0.0);
     ( 631124.0, 4276961.0,       3.6,       3.6,       0.0);        ( 631124.0,
4276911.0,       3.6,       3.6,       0.0);
     ( 631174.0, 4278161.0,       4.0,       4.0,       0.0);        ( 631174.0,
4278111.0,       3.9,       3.9,       0.0);
     ( 631174.0, 4278061.0,       3.9,       3.9,       0.0);        ( 631174.0,
4278011.0,       4.3,       4.3,       0.0);
     ( 631174.0, 4277961.0,       4.1,       4.1,       0.0);        ( 631174.0,
4277911.0,       4.1,       4.1,       0.0);
     ( 631174.0, 4277861.0,       3.9,       3.9,       0.0);        ( 631174.0,
4277811.0,       4.4,       4.4,       0.0);
     ( 631174.0, 4277761.0,       4.1,       4.1,       0.0);        ( 631174.0,
4277561.0,       4.5,       4.5,       0.0);
     ( 631174.0, 4277511.0,       4.6,       4.6,       0.0);        ( 631174.0,
4277461.0,       4.5,       4.5,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(631174.0, 4277311.0, 4.1, 4.1, 0.0); (631174.0, 4277261.0, 4.0, 4.0, 0.0);
(631174.0, 4277161.0, 3.4, 3.4, 0.0); (631174.0, 4277111.0, 3.4, 3.4, 0.0);
(631174.0, 4277061.0, 3.5, 3.5, 0.0); (631174.0, 4277011.0, 3.6, 3.6, 0.0);
(631174.0, 4276961.0, 3.5, 3.5, 0.0); (631174.0, 4276911.0, 3.8, 3.8, 0.0);
(631224.0, 4278161.0, 4.2, 4.2, 0.0); (631224.0, 4278111.0, 4.2, 4.2, 0.0);
(631224.0, 4278061.0, 3.9, 3.9, 0.0); (631224.0, 4278011.0, 3.8, 3.8, 0.0);
(631224.0, 4277961.0, 3.8, 3.8, 0.0); (631224.0, 4277911.0, 4.2, 4.2, 0.0);
(631224.0, 4277861.0, 4.0, 4.0, 0.0); (631224.0, 4277811.0, 4.4, 4.4, 0.0);
(631224.0, 4277761.0, 3.9, 3.9, 0.0); (631224.0, 4277561.0, 4.6, 4.6, 0.0);
(631224.0, 4277461.0, 4.1, 4.1, 0.0); (631224.0, 4277361.0, 4.4, 4.4, 0.0);
(631224.0, 4277311.0, 4.2, 4.2, 0.0); (631224.0, 4277261.0, 3.9, 3.9, 0.0);
(631224.0, 4277211.0, 3.9, 3.9, 0.0); (631224.0, 4277161.0, 3.6, 3.6, 0.0);
(631224.0, 4277111.0, 3.6, 3.6, 0.0); (631224.0, 4277061.0, 3.8, 3.8, 0.0);
(631224.0, 4277011.0, 3.6, 3.6, 0.0); (631224.0, 4276961.0, 3.7, 3.7, 0.0);
(631224.0, 4276911.0, 3.8, 3.8, 0.0); (631274.0, 4277611.0, 4.4, 4.4, 0.0);
(631274.0, 4277561.0, 4.5, 4.5, 0.0); (631274.0, 4277511.0, 4.4, 4.4, 0.0);
(631274.0, 4277461.0, 3.9, 3.9, 0.0); (631274.0, 4277361.0, 4.3, 4.3, 0.0);
(631274.0, 4277311.0, 4.1, 4.1, 0.0); (631274.0, 4277261.0, 4.0, 4.0, 0.0);
(631274.0, 4277211.0, 3.6, 3.6, 0.0); (631274.0, 4277161.0, 3.6, 3.6, 0.0);
(631274.0, 4277111.0, 3.7, 3.7, 0.0); (631274.0, 4277061.0, 3.8, 3.8, 0.0);
(631274.0, 4277011.0, 3.8, 3.8, 0.0); (631274.0, 4276961.0, 3.7, 3.7, 0.0);
(631274.0, 4276911.0, 3.8, 3.8, 0.0); (630524.0, 4277611.0, 3.7, 3.7, 0.0);
(630524.0, 4277561.0, 3.6, 3.6, 0.0); (630524.0, 4277511.0, 4.2, 4.2, 0.0);
(630524.0, 4277461.0, 3.9, 3.9, 0.0); (630524.0, 4277411.0, 4.8, 4.8, 0.0);
(630524.0, 4277261.0, 5.3, 11.5, 0.0); (630524.0, 4276961.0, 3.6, 3.6, 0.0);
(630524.0, 4276911.0, 3.9, 3.9, 0.0); (630474.0, 4277611.0, 3.9, 3.9, 0.0);
(630474.0, 4277561.0, 4.0, 4.0, 0.0); (630474.0, 4277511.0, 4.1, 4.1, 0.0);
(630474.0, 4277461.0, 3.9, 3.9, 0.0); (630474.0, 4277411.0, 5.8, 5.8, 0.0);
(630474.0, 4277061.0, 5.6, 5.6, 0.0); (630474.0, 4276961.0, 3.5, 3.5, 0.0);
(630474.0, 4276911.0, 3.8, 3.8, 0.0); (630424.0,

```
4277611.0,       4.2,       4.2,       0.0);
     ( 630424.0, 4277561.0,       4.0,       4.0,       0.0);        ( 630424.0,
4277511.0,       3.7,       3.7,       0.0);
     ( 630424.0, 4277461.0,       4.3,       4.3,       0.0);        ( 630424.0,
4277411.0,       5.8,       5.8,       0.0);
     ( 630424.0, 4277211.0,       4.5,       4.5,       0.0);        ( 630424.0,
4277061.0,       4.9,       4.9,       0.0);
     ( 630424.0, 4276961.0,       3.5,       3.5,       0.0);        ( 630424.0,
4276911.0,       3.8,       3.8,       0.0);
     ( 630374.0, 4277611.0,       4.4,       4.4,       0.0);        ( 630374.0,
4277561.0,       3.8,       3.8,       0.0);
     ( 630374.0, 4277511.0,       3.8,       3.8,       0.0);        ( 630374.0,
4277461.0,       4.8,       4.8,       0.0);
     ( 630374.0, 4276961.0,       3.5,       3.5,       0.0);        ( 630374.0,
4276911.0,       3.6,       3.6,       0.0);
     ( 630324.0, 4277611.0,       4.2,       4.2,       0.0);        ( 630324.0,
4277561.0,       4.3,       4.3,       0.0);
     ( 630324.0, 4277511.0,       4.6,       4.6,       0.0);        ( 630324.0,
4277361.0,       4.1,       4.1,       0.0);
     ( 630324.0, 4277311.0,       4.2,       4.2,       0.0);        ( 630324.0,
4277261.0,       4.2,       4.2,       0.0);
     ( 630324.0, 4277211.0,       4.1,       4.1,       0.0);        ( 630324.0,
4277161.0,       4.5,       4.5,       0.0);
     ( 630324.0, 4277111.0,       5.2,       5.2,       0.0);        ( 630324.0,
4276961.0,       4.0,       4.0,       0.0);
     ( 630324.0, 4276911.0,       3.8,       3.8,       0.0);        ( 630274.0,
4277611.0,       4.1,       4.1,       0.0);
     ( 630274.0, 4277461.0,       3.8,       3.8,       0.0);        ( 630274.0,
4277411.0,       4.1,       4.1,       0.0);
     ( 630274.0, 4277361.0,       4.1,       4.1,       0.0);        ( 630274.0,
4277311.0,       4.1,       4.1,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(630274.0, 4277261.0, 4.1, 4.1, 0.0); (630274.0, 4277211.0, 4.0, 4.0, 0.0);
(630274.0, 4277161.0, 4.2, 4.2, 0.0); (630274.0, 4277111.0, 4.5, 4.5, 0.0);
(630274.0, 4276961.0, 3.8, 3.8, 0.0); (630274.0, 4276911.0, 3.8, 3.8, 0.0);
(630224.0, 4277511.0, 4.0, 4.0, 0.0); (630224.0, 4277461.0, 3.8, 3.8, 0.0);
(630224.0, 4277411.0, 3.5, 3.5, 0.0); (630224.0, 4277361.0, 3.5, 3.5, 0.0);
(630224.0, 4277311.0, 3.5, 3.5, 0.0); (630224.0, 4277261.0, 3.5, 3.5, 0.0);
(630224.0, 4277211.0, 3.6, 3.6, 0.0); (630224.0, 4277161.0, 4.3, 4.3, 0.0);
(630224.0, 4277111.0, 4.2, 4.2, 0.0); (630224.0, 4277061.0, 4.6, 4.6, 0.0);
(630224.0, 4276911.0, 3.8, 3.8, 0.0); (630174.0, 4277561.0, 3.9, 3.9, 0.0);
(630174.0, 4277511.0, 3.8, 3.8, 0.0); (630174.0, 4277461.0, 3.7, 3.7, 0.0);
(630174.0, 4277411.0, 3.7, 3.7, 0.0); (630174.0, 4277361.0, 3.7, 3.7, 0.0);
(630174.0, 4277311.0, 3.6, 3.6, 0.0); (630174.0, 4277261.0, 3.5, 3.5, 0.0);
(630174.0, 4277211.0, 3.6, 3.6, 0.0); (630174.0, 4277161.0, 4.1, 4.1, 0.0);
(630174.0, 4277111.0, 4.1, 4.1, 0.0); (630174.0, 4277061.0, 4.0, 4.0, 0.0);
(630174.0, 4277011.0, 4.8, 4.8, 0.0); (630174.0, 4276911.0, 3.7, 3.7, 0.0);
(630124.0, 4277611.0, 3.9, 3.9, 0.0); (630124.0, 4277561.0, 3.6, 3.6, 0.0);
(630124.0, 4277511.0, 4.0, 4.0, 0.0); (630124.0, 4277461.0, 3.6, 3.6, 0.0);
(630124.0, 4277411.0, 3.5, 3.5, 0.0); (630124.0, 4277361.0, 3.5, 3.5, 0.0);
(630124.0, 4277311.0, 3.5, 3.5, 0.0); (630124.0, 4277261.0, 3.4, 3.4, 0.0);
(630124.0, 4277211.0, 3.4, 3.4, 0.0); (630124.0, 4277161.0, 3.5, 3.5, 0.0);
(630124.0, 4277111.0, 3.5, 3.5, 0.0); (630124.0, 4277061.0, 3.8, 3.8, 0.0);
(630124.0, 4277011.0, 4.1, 4.1, 0.0); (630074.0, 4277611.0, 3.6, 3.6, 0.0);
(630074.0, 4277561.0, 3.7, 3.7, 0.0); (630074.0, 4277511.0, 3.9, 3.9, 0.0);
(630074.0, 4277461.0, 4.0, 4.0, 0.0); (630074.0, 4277411.0, 4.0, 4.0, 0.0);
(630074.0, 4277361.0, 4.1, 4.1, 0.0); (630074.0, 4277311.0, 4.0, 4.0, 0.0);
(630074.0, 4277261.0, 3.8, 3.8, 0.0); (630074.0, 4277211.0, 3.8, 3.8, 0.0);
(630074.0, 4277161.0, 3.9, 3.9, 0.0); (630074.0, 4277111.0, 3.9, 3.9, 0.0);
(630074.0, 4277061.0, 3.9, 3.9, 0.0); (630074.0, 4277011.0, 4.1, 4.1, 0.0);
(630024.0, 4277611.0, 4.0, 4.0, 0.0); (630024.0, 4277561.0, 4.1, 4.1, 0.0);
(630024.0, 4277511.0, 3.9, 3.9, 0.0); (630024.0,

```
4277461.0,       4.2,       4.2,       0.0);
     ( 630024.0, 4277411.0,       4.1,       4.1,       0.0);        ( 630024.0,
4277361.0,       4.0,       4.0,       0.0);
     ( 630024.0, 4277311.0,       4.1,       4.1,       0.0);        ( 630024.0,
4277261.0,       3.9,       3.9,       0.0);
     ( 630024.0, 4277211.0,       4.2,       4.2,       0.0);        ( 630024.0,
4277161.0,       4.2,       4.2,       0.0);
     ( 630024.0, 4277111.0,       4.2,       4.2,       0.0);        ( 630024.0,
4277061.0,       4.2,       4.2,       0.0);
     ( 630024.0, 4277011.0,       4.0,       4.0,       0.0);        ( 630024.0,
4276961.0,       3.9,       3.9,       0.0);
     ( 629974.0, 4277611.0,       3.8,       3.8,       0.0);        ( 629974.0,
4277561.0,       3.8,       3.8,       0.0);
     ( 629974.0, 4277511.0,       3.8,       3.8,       0.0);        ( 629974.0,
4277461.0,       4.1,       4.1,       0.0);
     ( 629974.0, 4277411.0,       3.9,       3.9,       0.0);        ( 629974.0,
4277361.0,       3.8,       3.8,       0.0);
     ( 629974.0, 4277311.0,       3.8,       3.8,       0.0);        ( 629974.0,
4277261.0,       3.9,       3.9,       0.0);
     ( 629974.0, 4277211.0,       3.9,       3.9,       0.0);        ( 629974.0,
4277161.0,       3.8,       3.8,       0.0);
     ( 629974.0, 4277111.0,       4.1,       4.1,       0.0);        ( 629974.0,
4277061.0,       4.1,       4.1,       0.0);
     ( 629974.0, 4277011.0,       3.8,       3.8,       0.0);        ( 629974.0,
4276961.0,       3.3,       3.3,       0.0);
     ( 629974.0, 4276911.0,       4.0,       4.0,       0.0);        ( 629924.0,
4277611.0,       3.8,       3.8,       0.0);
     ( 629924.0, 4277561.0,       3.8,       3.8,       0.0);        ( 629924.0,
4277511.0,       3.8,       3.8,       0.0);
     ( 629924.0, 4277461.0,       3.9,       3.9,       0.0);        ( 629924.0,
4277411.0,       3.8,       3.8,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629924.0, 4277361.0, 3.8, 3.8, 0.0); (629924.0, 4277311.0, 3.8, 3.8, 0.0);
(629924.0, 4277261.0, 3.8, 3.8, 0.0); (629924.0, 4277211.0, 3.8, 3.8, 0.0);
(629924.0, 4277161.0, 3.8, 3.8, 0.0); (629924.0, 4277111.0, 3.8, 3.8, 0.0);
(629924.0, 4277061.0, 4.1, 4.1, 0.0); (629924.0, 4277011.0, 3.4, 3.4, 0.0);
(629924.0, 4276961.0, 1.4, 1.4, 0.0); (629924.0, 4276911.0, 3.1, 3.1, 0.0);
(629874.0, 4277611.0, 3.7, 3.7, 0.0); (629874.0, 4277561.0, 3.7, 3.7, 0.0);
(629874.0, 4277511.0, 3.7, 3.7, 0.0); (629874.0, 4277461.0, 3.8, 3.8, 0.0);
(629874.0, 4277411.0, 3.8, 3.8, 0.0); (629874.0, 4277361.0, 4.0, 4.0, 0.0);
(629874.0, 4277311.0, 3.8, 3.8, 0.0); (629874.0, 4277261.0, 3.9, 3.9, 0.0);
(629874.0, 4277211.0, 3.8, 3.8, 0.0); (629874.0, 4277161.0, 3.9, 3.9, 0.0);
(629874.0, 4277111.0, 3.2, 3.2, 0.0); (629874.0, 4277061.0, 4.0, 4.0, 0.0);
(629874.0, 4277011.0, 3.8, 3.8, 0.0); (629874.0, 4276961.0, 3.6, 3.6, 0.0);
(629874.0, 4276911.0, 4.5, 4.5, 0.0); (629824.0, 4277611.0, 4.5, 4.5, 0.0);
(629824.0, 4277561.0, 4.4, 4.4, 0.0); (629824.0, 4277511.0, 4.3, 4.3, 0.0);
(629824.0, 4277461.0, 4.6, 4.6, 0.0); (629824.0, 4277411.0, 4.5, 4.5, 0.0);
(629824.0, 4277361.0, 4.8, 4.8, 0.0); (629824.0, 4277311.0, 4.5, 4.5, 0.0);
(629824.0, 4277261.0, 4.7, 4.7, 0.0); (629824.0, 4277211.0, 4.3, 4.3, 0.0);
(629824.0, 4277161.0, 4.6, 4.6, 0.0); (629824.0, 4277111.0, 1.8, 1.8, 0.0);
(629824.0, 4277061.0, 0.5, 0.5, 0.0); (629824.0, 4277011.0, 2.3, 2.3, 0.0);
(629824.0, 4276961.0, 3.9, 3.9, 0.0); (629824.0, 4276911.0, 3.7, 3.7, 0.0);
(629774.0, 4277611.0, 4.5, 4.5, 0.0); (629774.0, 4277561.0, 4.4, 4.4, 0.0);
(629774.0, 4277511.0, 4.3, 4.3, 0.0); (629774.0, 4277461.0, 4.7, 4.7, 0.0);
(629774.0, 4277411.0, 4.7, 4.7, 0.0); (629774.0, 4277361.0, 4.8, 4.8, 0.0);
(629774.0, 4277311.0, 4.7, 4.7, 0.0); (629774.0, 4277261.0, 4.4, 4.4, 0.0);
(629774.0, 4277211.0, 4.6, 4.6, 0.0); (629774.0, 4277161.0, 4.4, 4.4, 0.0);
(629774.0, 4277111.0, 3.0, 3.0, 0.0); (629774.0, 4277061.0, 0.5, 3.0, 0.0);
(629774.0, 4277011.0, 0.2, 0.2, 0.0); (629774.0, 4276961.0, 0.3, 0.3, 0.0);
(629774.0, 4276911.0, 3.0, 3.0, 0.0); (629724.0, 4277611.0, 4.1, 4.1, 0.0);
(629724.0, 4277561.0, 4.0, 4.0, 0.0); (629724.0, 4277511.0, 3.8, 3.8, 0.0);
(629724.0, 4277461.0, 4.1, 4.1, 0.0); (629724.0,

```
4277411.0,       3.9,       3.9,       0.0);
     ( 629724.0, 4277361.0,       4.0,       4.0,       0.0);        ( 629724.0,
4277311.0,       3.9,       3.9,       0.0);
     ( 629724.0, 4277261.0,       3.7,       3.7,       0.0);        ( 629724.0,
4277211.0,       3.8,       3.8,       0.0);
     ( 629724.0, 4277161.0,       3.5,       3.5,       0.0);        ( 629724.0,
4277111.0,       3.9,       3.9,       0.0);
     ( 629724.0, 4277061.0,       3.5,       3.5,       0.0);        ( 629724.0,
4277011.0,       0.8,       0.8,       0.0);
     ( 629724.0, 4276961.0,      -0.4,      -0.4,       0.0);        ( 629724.0,
4276911.0,       0.9,       0.9,       0.0);
     ( 629674.0, 4277611.0,       4.5,       4.5,       0.0);        ( 629674.0,
4277561.0,       4.5,       4.5,       0.0);
     ( 629674.0, 4277511.0,       4.2,       4.2,       0.0);        ( 629674.0,
4277461.0,       4.4,       4.4,       0.0);
     ( 629674.0, 4277411.0,       4.4,       4.4,       0.0);        ( 629674.0,
4277361.0,       4.5,       4.5,       0.0);
     ( 629674.0, 4277311.0,       4.6,       4.6,       0.0);        ( 629674.0,
4277261.0,       4.1,       4.1,       0.0);
     ( 629674.0, 4277211.0,       4.5,       4.5,       0.0);        ( 629674.0,
4277161.0,       4.4,       4.4,       0.0);
     ( 629674.0, 4277111.0,       3.8,       3.8,       0.0);        ( 629674.0,
4277061.0,       3.3,       3.3,       0.0);
     ( 629674.0, 4277011.0,       1.9,       1.9,       0.0);        ( 629674.0,
4276961.0,      -0.2,      -0.2,       0.0);
     ( 629674.0, 4276911.0,      -0.4,      -0.4,       0.0);        ( 629624.0,
4277611.0,       4.1,       4.1,       0.0);
     ( 629624.0, 4277561.0,       4.2,       4.2,       0.0);        ( 629624.0,
4277511.0,       4.4,       4.4,       0.0);
     ( 629624.0, 4277461.0,       4.3,       4.3,       0.0);        ( 629624.0,
4277411.0,       3.8,       3.8,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629624.0, 4277361.0, 3.9, 3.9, 0.0); (629624.0, 4277311.0, 4.0, 4.0, 0.0);
(629624.0, 4277261.0, 3.8, 3.8, 0.0); (629624.0, 4277211.0, 4.2, 4.2, 0.0);
(629624.0, 4277161.0, 4.3, 4.3, 0.0); (629624.0, 4277111.0, 3.9, 3.9, 0.0);
(629624.0, 4277061.0, 3.4, 3.4, 0.0); (629624.0, 4277011.0, 2.6, 2.6, 0.0);
(629624.0, 4276961.0, 0.6, 0.6, 0.0); (629624.0, 4276911.0, -0.4, -0.4, 0.0);
(629574.0, 4277611.0, 4.5, 4.5, 0.0); (629574.0, 4277561.0, 4.2, 4.2, 0.0);
(629574.0, 4277511.0, 4.0, 4.0, 0.0); (629574.0, 4277461.0, 4.0, 4.0, 0.0);
(629574.0, 4277411.0, 4.2, 4.2, 0.0); (629574.0, 4277361.0, 4.7, 4.7, 0.0);
(629574.0, 4277311.0, 4.7, 4.7, 0.0); (629574.0, 4277261.0, 4.5, 4.5, 0.0);
(629574.0, 4277211.0, 4.8, 4.8, 0.0); (629574.0, 4277161.0, 4.5, 4.5, 0.0);
(629574.0, 4277111.0, 4.0, 4.0, 0.0); (629574.0, 4277061.0, 3.2, 3.2, 0.0);
(629574.0, 4277011.0, 2.7, 2.7, 0.0); (629574.0, 4276961.0, 0.9, 0.9, 0.0);
(629574.0, 4276911.0, -0.3, -0.3, 0.0); (629524.0, 4277611.0, 4.0, 4.0, 0.0);
(629524.0, 4277561.0, 4.5, 4.5, 0.0); (629524.0, 4277511.0, 4.3, 4.3, 0.0);
(629524.0, 4277461.0, 4.8, 4.8, 0.0); (629524.0, 4277411.0, 4.8, 4.8, 0.0);
(629524.0, 4277361.0, 4.7, 4.7, 0.0); (629524.0, 4277311.0, 4.7, 4.7, 0.0);
(629524.0, 4277261.0, 4.6, 4.6, 0.0); (629524.0, 4277211.0, 4.7, 4.7, 0.0);
(629524.0, 4277161.0, 4.3, 4.3, 0.0); (629524.0, 4277111.0, 4.0, 4.0, 0.0);
(629524.0, 4277061.0, 3.5, 3.5, 0.0); (629524.0, 4277011.0, 3.3, 3.3, 0.0);
(629524.0, 4276961.0, 2.0, 2.0, 0.0); (629524.0, 4276911.0, -0.1, -0.1, 0.0);
(629474.0, 4277611.0, 3.7, 3.7, 0.0); (629474.0, 4277561.0, 4.3, 4.3, 0.0);
(629474.0, 4277511.0, 4.7, 4.7, 0.0); (629474.0, 4277461.0, 4.5, 4.5, 0.0);
(629474.0, 4277411.0, 4.9, 4.9, 0.0); (629474.0, 4277361.0, 4.8, 4.8, 0.0);
(629474.0, 4277311.0, 5.1, 5.1, 0.0); (629474.0, 4277261.0, 5.0, 5.0, 0.0);
(629474.0, 4277211.0, 4.9, 4.9, 0.0); (629474.0, 4277161.0, 4.5, 4.5, 0.0);
(629474.0, 4277111.0, 4.1, 4.1, 0.0); (629474.0, 4277061.0, 4.1, 4.1, 0.0);
(629474.0, 4277011.0, 3.7, 3.7, 0.0); (629474.0, 4276961.0, 2.8, 2.8, 0.0);
(629474.0, 4276911.0, 1.8, 1.8, 0.0); (629424.0, 4277611.0, 4.6, 4.6, 0.0);
(629424.0, 4277561.0, 4.1, 4.1, 0.0); (629424.0, 4277511.0, 4.4, 4.4, 0.0);
(629424.0, 4277461.0, 4.7, 4.7, 0.0); (629424.0,

```
4277411.0,       5.0,       5.0,       0.0);
     ( 629424.0, 4277361.0,       5.0,       5.0,       0.0);        ( 629424.0,
4277311.0,       5.2,       5.2,       0.0);
     ( 629424.0, 4277261.0,       5.0,       5.0,       0.0);        ( 629424.0,
4277211.0,       5.2,       5.2,       0.0);
     ( 629424.0, 4277161.0,       5.0,       5.0,       0.0);        ( 629424.0,
4277111.0,       4.7,       4.7,       0.0);
     ( 629424.0, 4277061.0,       4.5,       4.5,       0.0);        ( 629424.0,
4277011.0,       4.5,       4.5,       0.0);
     ( 629424.0, 4276961.0,       3.7,       3.7,       0.0);        ( 629424.0,
4276911.0,       3.6,       3.6,       0.0);
     ( 629374.0, 4277611.0,       4.9,       4.9,       0.0);        ( 629374.0,
4277561.0,       4.8,       4.8,       0.0);
     ( 629374.0, 4277511.0,       4.7,       4.7,       0.0);        ( 629374.0,
4277461.0,       5.0,       5.0,       0.0);
     ( 629374.0, 4277411.0,       5.0,       5.0,       0.0);        ( 629374.0,
4277361.0,       4.9,       4.9,       0.0);
     ( 629374.0, 4277311.0,       5.4,       5.4,       0.0);        ( 629374.0,
4277261.0,       5.1,       5.1,       0.0);
     ( 629374.0, 4277211.0,       5.3,       5.3,       0.0);        ( 629374.0,
4277161.0,       5.2,       5.2,       0.0);
     ( 629374.0, 4277111.0,       5.2,       5.2,       0.0);        ( 629374.0,
4277061.0,       5.0,       5.0,       0.0);
     ( 629374.0, 4277011.0,       4.4,       4.4,       0.0);        ( 629374.0,
4276961.0,       4.0,       4.0,       0.0);
     ( 629374.0, 4276911.0,       4.1,       4.1,       0.0);        ( 629324.0,
4277611.0,       5.8,       5.8,       0.0);
     ( 629324.0, 4277561.0,       5.7,       5.7,       0.0);        ( 629324.0,
4277511.0,       5.5,       5.5,       0.0);
     ( 629324.0, 4277461.0,       5.3,       5.3,       0.0);        ( 629324.0,
4277411.0,       5.3,       5.3,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629324.0, 4277361.0, 5.3, 5.3, 0.0); (629324.0, 4277311.0, 5.5, 5.5, 0.0);
(629324.0, 4277261.0, 5.3, 5.3, 0.0); (629324.0, 4277211.0, 5.2, 5.2, 0.0);
(629324.0, 4277161.0, 5.1, 5.1, 0.0); (629324.0, 4277111.0, 5.1, 5.1, 0.0);
(629324.0, 4277061.0, 5.1, 5.1, 0.0); (629324.0, 4277011.0, 4.7, 4.7, 0.0);
(629324.0, 4276961.0, 4.1, 4.1, 0.0); (629324.0, 4276911.0, 3.9, 3.9, 0.0);
(629274.0, 4277611.0, 6.3, 6.3, 0.0); (629274.0, 4277561.0, 6.0, 6.0, 0.0);
(629274.0, 4277511.0, 5.6, 5.6, 0.0); (629274.0, 4277461.0, 5.4, 5.4, 0.0);
(629274.0, 4277411.0, 5.4, 5.4, 0.0); (629274.0, 4277361.0, 5.3, 5.3, 0.0);
(629274.0, 4277311.0, 5.4, 5.4, 0.0); (629274.0, 4277261.0, 5.0, 5.0, 0.0);
(629274.0, 4277211.0, 4.7, 4.7, 0.0); (629274.0, 4277161.0, 4.6, 4.6, 0.0);
(629274.0, 4277111.0, 4.6, 4.6, 0.0); (629274.0, 4277061.0, 4.8, 4.8, 0.0);
(629274.0, 4277011.0, 4.8, 4.8, 0.0); (629274.0, 4276961.0, 4.0, 4.0, 0.0);
(629274.0, 4276911.0, 3.8, 3.8, 0.0); (629974.0, 4277661.0, 3.8, 3.8, 0.0);
(629974.0, 4277711.0, 4.1, 4.1, 0.0); (629974.0, 4277811.0, 5.3, 5.3, 0.0);
(629974.0, 4277861.0, 4.7, 4.7, 0.0); (629974.0, 4277911.0, 4.6, 4.6, 0.0);
(629974.0, 4277961.0, 4.1, 4.1, 0.0); (629974.0, 4278011.0, 4.0, 4.0, 0.0);
(629974.0, 4278061.0, 3.4, 3.4, 0.0); (629974.0, 4278111.0, 3.5, 3.5, 0.0);
(629974.0, 4278161.0, 4.1, 4.1, 0.0); (629974.0, 4278211.0, 4.3, 4.3, 0.0);
(629974.0, 4278261.0, 3.7, 3.7, 0.0); (629974.0, 4278311.0, 3.4, 3.4, 0.0);
(629974.0, 4278361.0, 3.5, 3.5, 0.0); (629974.0, 4278411.0, 3.7, 3.7, 0.0);
(629974.0, 4278461.0, 4.0, 4.0, 0.0); (629974.0, 4278511.0, 3.7, 3.7, 0.0);
(629974.0, 4278561.0, 4.0, 4.0, 0.0); (629974.0, 4278611.0, 4.2, 4.2, 0.0);
(629974.0, 4278711.0, 4.3, 4.3, 0.0); (629974.0, 4278761.0, 4.0, 4.0, 0.0);
(629974.0, 4278811.0, 4.1, 4.1, 0.0); (629974.0, 4278861.0, 4.1, 4.1, 0.0);
(629974.0, 4278911.0, 4.2, 4.2, 0.0); (629924.0, 4277661.0, 3.8, 3.8, 0.0);
(629924.0, 4277711.0, 3.9, 3.9, 0.0); (629924.0, 4277761.0, 4.0, 4.0, 0.0);
(629924.0, 4277861.0, 4.3, 4.3, 0.0); (629924.0, 4277911.0, 4.1, 4.1, 0.0);
(629924.0, 4277961.0, 4.1, 4.1, 0.0); (629924.0, 4278011.0, 4.0, 4.0, 0.0);
(629924.0, 4278061.0, 4.0, 4.0, 0.0); (629924.0, 4278111.0, 4.1, 4.1, 0.0);
(629924.0, 4278161.0, 4.1, 4.1, 0.0); (629924.0,

```
4278211.0,       4.1,       4.1,       0.0);
     ( 629924.0, 4278261.0,       4.0,       4.0,       0.0);        ( 629924.0,
4278311.0,       4.0,       4.0,       0.0);
     ( 629924.0, 4278361.0,       3.9,       3.9,       0.0);        ( 629924.0,
4278411.0,       4.0,       4.0,       0.0);
     ( 629924.0, 4278461.0,       3.9,       3.9,       0.0);        ( 629924.0,
4278511.0,       3.9,       3.9,       0.0);
     ( 629924.0, 4278561.0,       4.0,       4.0,       0.0);        ( 629924.0,
4278611.0,       4.1,       4.1,       0.0);
     ( 629924.0, 4278711.0,       4.2,       4.2,       0.0);        ( 629924.0,
4278761.0,       4.1,       4.1,       0.0);
     ( 629924.0, 4278811.0,       4.1,       4.1,       0.0);        ( 629924.0,
4278861.0,       4.1,       4.1,       0.0);
     ( 629924.0, 4278911.0,       4.0,       4.0,       0.0);        ( 629874.0,
4277661.0,       3.7,       3.7,       0.0);
     ( 629874.0, 4277711.0,       3.8,       3.8,       0.0);        ( 629874.0,
4277761.0,       4.1,       4.1,       0.0);
     ( 629874.0, 4277811.0,       4.6,       4.6,       0.0);        ( 629874.0,
4277961.0,       4.0,       4.0,       0.0);
     ( 629874.0, 4278011.0,       3.9,       3.9,       0.0);        ( 629874.0,
4278061.0,       3.9,       3.9,       0.0);
     ( 629874.0, 4278111.0,       4.2,       4.2,       0.0);        ( 629874.0,
4278161.0,       4.0,       4.0,       0.0);
     ( 629874.0, 4278211.0,       4.0,       4.0,       0.0);        ( 629874.0,
4278261.0,       4.2,       4.2,       0.0);
     ( 629874.0, 4278311.0,       4.3,       4.3,       0.0);        ( 629874.0,
4278361.0,       4.2,       4.2,       0.0);
     ( 629874.0, 4278411.0,       4.3,       4.3,       0.0);        ( 629874.0,
4278461.0,       4.0,       4.0,       0.0);
     ( 629874.0, 4278511.0,       3.8,       3.8,       0.0);        ( 629874.0,
4278561.0,       3.9,       3.9,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629874.0, 4278611.0, 4.3, 4.3, 0.0); (629874.0, 4278711.0, 4.3, 4.3, 0.0);
(629874.0, 4278761.0, 4.2, 4.2, 0.0); (629874.0, 4278811.0, 4.1, 4.1, 0.0);
(629874.0, 4278861.0, 4.1, 4.1, 0.0); (629874.0, 4278911.0, 4.0, 4.0, 0.0);
(629824.0, 4277661.0, 4.6, 4.6, 0.0); (629824.0, 4277711.0, 4.6, 4.6, 0.0);
(629824.0, 4277761.0, 4.1, 4.1, 0.0); (629824.0, 4277811.0, 4.4, 4.4, 0.0);
(629824.0, 4277861.0, 4.4, 4.4, 0.0); (629824.0, 4277911.0, 3.9, 3.9, 0.0);
(629824.0, 4278061.0, 3.9, 3.9, 0.0); (629824.0, 4278111.0, 4.0, 4.0, 0.0);
(629824.0, 4278161.0, 4.1, 4.1, 0.0); (629824.0, 4278211.0, 4.1, 4.1, 0.0);
(629824.0, 4278261.0, 4.2, 4.2, 0.0); (629824.0, 4278311.0, 4.1, 4.1, 0.0);
(629824.0, 4278361.0, 3.9, 3.9, 0.0); (629824.0, 4278411.0, 4.1, 4.1, 0.0);
(629824.0, 4278461.0, 4.1, 4.1, 0.0); (629824.0, 4278511.0, 4.2, 4.2, 0.0);
(629824.0, 4278561.0, 4.2, 4.2, 0.0); (629824.0, 4278611.0, 4.3, 4.3, 0.0);
(629824.0, 4278711.0, 4.0, 4.0, 0.0); (629824.0, 4278761.0, 3.9, 3.9, 0.0);
(629824.0, 4278811.0, 3.9, 3.9, 0.0); (629824.0, 4278861.0, 4.0, 4.0, 0.0);
(629824.0, 4278911.0, 4.0, 4.0, 0.0); (629774.0, 4277661.0, 4.3, 4.3, 0.0);
(629774.0, 4277711.0, 4.4, 4.4, 0.0); (629774.0, 4277761.0, 4.1, 4.1, 0.0);
(629774.0, 4277811.0, 4.1, 4.1, 0.0); (629774.0, 4277861.0, 4.2, 4.2, 0.0);
(629774.0, 4277911.0, 4.0, 4.0, 0.0); (629774.0, 4277961.0, 4.0, 4.0, 0.0);
(629774.0, 4278011.0, 3.8, 3.8, 0.0); (629774.0, 4278861.0, 4.1, 4.1, 0.0);
(629774.0, 4278911.0, 4.2, 4.2, 0.0); (629724.0, 4277661.0, 3.8, 3.8, 0.0);
(629724.0, 4277711.0, 3.7, 3.7, 0.0); (629724.0, 4277761.0, 3.7, 3.7, 0.0);
(629724.0, 4277811.0, 3.8, 3.8, 0.0); (629724.0, 4277861.0, 4.0, 4.0, 0.0);
(629724.0, 4277911.0, 4.2, 4.2, 0.0); (629724.0, 4277961.0, 4.3, 4.3, 0.0);
(629724.0, 4278011.0, 4.2, 4.2, 0.0); (629724.0, 4278061.0, 4.0, 4.0, 0.0);
(629724.0, 4278111.0, 4.0, 4.0, 0.0); (629724.0, 4278161.0, 3.8, 3.8, 0.0);
(629724.0, 4278211.0, 3.7, 3.7, 0.0); (629724.0, 4278261.0, 3.7, 3.7, 0.0);
(629724.0, 4278311.0, 3.5, 3.5, 0.0); (629724.0, 4278361.0, 3.3, 3.3, 0.0);
(629724.0, 4278411.0, 3.7, 3.7, 0.0); (629724.0, 4278461.0, 3.8, 3.8, 0.0);
(629724.0, 4278511.0, 3.5, 3.5, 0.0); (629724.0, 4278561.0, 3.6, 3.6, 0.0);
(629724.0, 4278611.0, 3.8, 3.8, 0.0); (629724.0,

```
4278711.0,       3.7,       3.7,       0.0);
     ( 629724.0, 4278761.0,       3.5,       3.5,       0.0);        ( 629724.0,
4278811.0,       3.6,       3.6,       0.0);
     ( 629674.0, 4277661.0,       4.1,       4.1,       0.0);        ( 629674.0,
4277711.0,       4.4,       4.4,       0.0);
     ( 629674.0, 4277761.0,       4.5,       4.5,       0.0);        ( 629674.0,
4277811.0,       4.2,       4.2,       0.0);
     ( 629674.0, 4277861.0,       3.8,       3.8,       0.0);        ( 629674.0,
4277911.0,       4.1,       4.1,       0.0);
     ( 629674.0, 4277961.0,       4.3,       4.3,       0.0);        ( 629674.0,
4278011.0,       4.0,       4.0,       0.0);
     ( 629674.0, 4278061.0,       3.9,       3.9,       0.0);        ( 629674.0,
4278111.0,       4.0,       4.0,       0.0);
     ( 629674.0, 4278161.0,       4.0,       4.0,       0.0);        ( 629674.0,
4278211.0,       3.9,       3.9,       0.0);
     ( 629674.0, 4278261.0,       3.8,       3.8,       0.0);        ( 629674.0,
4278311.0,       3.7,       3.7,       0.0);
     ( 629674.0, 4278361.0,       3.6,       3.6,       0.0);        ( 629674.0,
4278411.0,       4.1,       4.1,       0.0);
     ( 629674.0, 4278461.0,       4.4,       4.4,       0.0);        ( 629674.0,
4278511.0,       4.2,       4.2,       0.0);
     ( 629674.0, 4278561.0,       4.1,       4.1,       0.0);        ( 629674.0,
4278611.0,       4.0,       4.0,       0.0);
     ( 629674.0, 4278711.0,       4.4,       4.4,       0.0);        ( 629674.0,
4278761.0,       4.3,       4.3,       0.0);
     ( 629674.0, 4278811.0,       4.3,       4.3,       0.0);        ( 629674.0,
4278861.0,       4.1,       4.1,       0.0);
     ( 629674.0, 4278911.0,       3.8,       3.8,       0.0);        ( 629624.0,
4277661.0,       4.2,       4.2,       0.0);
     ( 629624.0, 4277711.0,       4.4,       4.4,       0.0);        ( 629624.0,
4277761.0,       4.0,       4.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629624.0, 4277811.0, 3.7, 3.7, 0.0); (629624.0, 4277861.0, 4.4, 4.4, 0.0);
(629624.0, 4277911.0, 4.5, 4.5, 0.0); (629624.0, 4277961.0, 4.1, 4.1, 0.0);
(629624.0, 4278011.0, 3.8, 3.8, 0.0); (629624.0, 4278061.0, 3.9, 3.9, 0.0);
(629624.0, 4278111.0, 4.0, 4.0, 0.0); (629624.0, 4278161.0, 4.1, 4.1, 0.0);
(629624.0, 4278211.0, 4.0, 4.0, 0.0); (629624.0, 4278261.0, 3.9, 3.9, 0.0);
(629624.0, 4278311.0, 3.8, 3.8, 0.0); (629624.0, 4278361.0, 3.7, 3.7, 0.0);
(629624.0, 4278411.0, 3.9, 3.9, 0.0); (629624.0, 4278461.0, 4.2, 4.2, 0.0);
(629624.0, 4278511.0, 4.1, 4.1, 0.0); (629624.0, 4278561.0, 4.1, 4.1, 0.0);
(629624.0, 4278611.0, 4.1, 4.1, 0.0); (629624.0, 4278711.0, 4.3, 4.3, 0.0);
(629624.0, 4278761.0, 4.5, 4.5, 0.0); (629624.0, 4278811.0, 4.4, 4.4, 0.0);
(629624.0, 4278861.0, 3.9, 3.9, 0.0); (629624.0, 4278911.0, 3.9, 3.9, 0.0);
(629574.0, 4277661.0, 4.5, 4.5, 0.0); (629574.0, 4277711.0, 3.9, 3.9, 0.0);
(629574.0, 4277761.0, 3.9, 3.9, 0.0); (629574.0, 4277811.0, 3.8, 3.8, 0.0);
(629574.0, 4277861.0, 4.5, 4.5, 0.0); (629574.0, 4277911.0, 4.9, 4.9, 0.0);
(629574.0, 4277961.0, 4.8, 4.8, 0.0); (629574.0, 4278011.0, 4.0, 4.0, 0.0);
(629574.0, 4278061.0, 3.8, 3.8, 0.0); (629574.0, 4278111.0, 4.0, 4.0, 0.0);
(629574.0, 4278161.0, 4.1, 4.1, 0.0); (629574.0, 4278211.0, 4.3, 4.3, 0.0);
(629574.0, 4278261.0, 4.1, 4.1, 0.0); (629574.0, 4278311.0, 3.9, 3.9, 0.0);
(629574.0, 4278361.0, 4.1, 4.1, 0.0); (629574.0, 4278411.0, 4.3, 4.3, 0.0);
(629574.0, 4278461.0, 4.3, 4.3, 0.0); (629574.0, 4278511.0, 4.5, 4.5, 0.0);
(629574.0, 4278561.0, 4.3, 4.3, 0.0); (629574.0, 4278611.0, 4.1, 4.1, 0.0);
(629574.0, 4278711.0, 4.4, 4.4, 0.0); (629574.0, 4278761.0, 4.5, 4.5, 0.0);
(629574.0, 4278811.0, 4.4, 4.4, 0.0); (629574.0, 4278861.0, 4.3, 4.3, 0.0);
(629574.0, 4278911.0, 3.8, 3.8, 0.0); (629524.0, 4277661.0, 3.9, 3.9, 0.0);
(629524.0, 4277711.0, 4.0, 4.0, 0.0); (629524.0, 4277761.0, 4.2, 4.2, 0.0);
(629524.0, 4277811.0, 4.6, 4.6, 0.0); (629524.0, 4277861.0, 4.9, 4.9, 0.0);
(629524.0, 4277911.0, 4.7, 4.7, 0.0); (629524.0, 4277961.0, 4.8, 4.8, 0.0);
(629524.0, 4278011.0, 4.3, 4.3, 0.0); (629524.0, 4278061.0, 3.8, 3.8, 0.0);
(629524.0, 4278111.0, 4.3, 4.3, 0.0); (629524.0, 4278161.0, 4.6, 4.6, 0.0);
(629524.0, 4278211.0, 4.4, 4.4, 0.0); (629524.0,

```
4278261.0,       4.3,       4.3,       0.0);
     ( 629524.0, 4278311.0,       4.1,       4.1,       0.0);        ( 629524.0,
4278361.0,       4.3,       4.3,       0.0);
     ( 629524.0, 4278411.0,       4.3,       4.3,       0.0);        ( 629524.0,
4278461.0,       4.4,       4.4,       0.0);
     ( 629524.0, 4278511.0,       4.2,       4.2,       0.0);        ( 629524.0,
4278561.0,       4.4,       4.4,       0.0);
     ( 629524.0, 4278661.0,       4.3,       4.3,       0.0);        ( 629524.0,
4278711.0,       4.6,       4.6,       0.0);
     ( 629524.0, 4278761.0,       4.7,       4.7,       0.0);        ( 629524.0,
4278811.0,       4.5,       4.5,       0.0);
     ( 629524.0, 4278861.0,       4.4,       4.4,       0.0);        ( 629524.0,
4278911.0,       3.8,       3.8,       0.0);
     ( 629474.0, 4277661.0,       3.8,       3.8,       0.0);        ( 629474.0,
4277711.0,       4.5,       4.5,       0.0);
     ( 629474.0, 4277761.0,       4.2,       4.2,       0.0);        ( 629474.0,
4277811.0,       4.3,       4.3,       0.0);
     ( 629474.0, 4277861.0,       4.7,       4.7,       0.0);        ( 629474.0,
4277911.0,       4.5,       4.5,       0.0);
     ( 629474.0, 4277961.0,       4.1,       4.1,       0.0);        ( 629474.0,
4278011.0,       4.2,       4.2,       0.0);
     ( 629474.0, 4278061.0,       4.2,       4.2,       0.0);        ( 629474.0,
4278111.0,       4.6,       4.6,       0.0);
     ( 629474.0, 4278161.0,       4.8,       4.8,       0.0);        ( 629474.0,
4278211.0,       4.7,       4.7,       0.0);
     ( 629474.0, 4278261.0,       4.7,       4.7,       0.0);        ( 629474.0,
4278311.0,       5.3,       5.3,       0.0);
     ( 629474.0, 4278361.0,       5.0,       5.0,       0.0);        ( 629474.0,
4278411.0,       4.4,       4.4,       0.0);
     ( 629474.0, 4278461.0,       4.5,       4.5,       0.0);        ( 629474.0,
4278511.0,       4.4,       4.4,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629474.0, 4278561.0, 4.5, 4.5, 0.0); (629474.0, 4278661.0, 4.4, 4.4, 0.0);
(629474.0, 4278711.0, 4.6, 4.6, 0.0); (629474.0, 4278761.0, 4.4, 4.4, 0.0);
(629474.0, 4278811.0, 4.7, 4.7, 0.0); (629474.0, 4278861.0, 4.5, 4.5, 0.0);
(629474.0, 4278911.0, 4.0, 4.0, 0.0); (629424.0, 4277661.0, 4.9, 4.9, 0.0);
(629424.0, 4277711.0, 5.9, 5.9, 0.0); (629424.0, 4277761.0, 5.2, 5.2, 0.0);
(629424.0, 4277811.0, 4.9, 4.9, 0.0); (629424.0, 4277861.0, 5.4, 5.4, 0.0);
(629424.0, 4277911.0, 4.9, 4.9, 0.0); (629424.0, 4277961.0, 4.2, 4.2, 0.0);
(629424.0, 4278011.0, 4.5, 4.5, 0.0); (629424.0, 4278061.0, 4.6, 4.6, 0.0);
(629424.0, 4278111.0, 4.7, 4.7, 0.0); (629424.0, 4278161.0, 4.6, 4.6, 0.0);
(629424.0, 4278211.0, 4.7, 4.7, 0.0); (629424.0, 4278261.0, 5.5, 5.5, 0.0);
(629424.0, 4278311.0, 5.5, 5.5, 0.0); (629424.0, 4278361.0, 5.4, 5.4, 0.0);
(629424.0, 4278411.0, 5.4, 5.4, 0.0); (629424.0, 4278461.0, 5.1, 5.1, 0.0);
(629424.0, 4278511.0, 4.6, 4.6, 0.0); (629424.0, 4278611.0, 4.7, 4.7, 0.0);
(629424.0, 4278661.0, 5.1, 5.1, 0.0); (629424.0, 4278711.0, 4.9, 4.9, 0.0);
(629424.0, 4278761.0, 4.5, 4.5, 0.0); (629424.0, 4278811.0, 4.3, 4.3, 0.0);
(629424.0, 4278861.0, 4.2, 4.2, 0.0); (629424.0, 4278911.0, 4.5, 4.5, 0.0);
(629374.0, 4277661.0, 5.2, 5.2, 0.0); (629374.0, 4277711.0, 5.2, 5.2, 0.0);
(629374.0, 4277761.0, 5.5, 5.5, 0.0); (629374.0, 4277811.0, 4.9, 4.9, 0.0);
(629374.0, 4277861.0, 4.9, 4.9, 0.0); (629374.0, 4277911.0, 5.3, 5.3, 0.0);
(629374.0, 4277961.0, 4.7, 4.7, 0.0); (629374.0, 4278011.0, 4.8, 4.8, 0.0);
(629374.0, 4278061.0, 4.9, 4.9, 0.0); (629374.0, 4278111.0, 4.7, 4.7, 0.0);
(629374.0, 4278161.0, 4.9, 4.9, 0.0); (629374.0, 4278211.0, 5.3, 5.3, 0.0);
(629374.0, 4278261.0, 5.7, 5.7, 0.0); (629374.0, 4278311.0, 5.6, 5.6, 0.0);
(629374.0, 4278361.0, 5.8, 5.8, 0.0); (629374.0, 4278411.0, 5.8, 5.8, 0.0);
(629374.0, 4278461.0, 5.6, 5.6, 0.0); (629374.0, 4278611.0, 4.9, 4.9, 0.0);
(629374.0, 4278661.0, 4.9, 4.9, 0.0); (629374.0, 4278711.0, 4.3, 4.3, 0.0);
(629374.0, 4278761.0, 4.2, 4.2, 0.0); (629374.0, 4278811.0, 4.3, 4.3, 0.0);
(629374.0, 4278861.0, 4.2, 4.2, 0.0); (629374.0, 4278911.0, 4.3, 4.3, 0.0);
(629324.0, 4277661.0, 6.0, 6.0, 0.0); (629324.0, 4277711.0, 6.1, 6.1, 0.0);
(629324.0, 4277761.0, 6.2, 6.2, 0.0); (629324.0,

```
4277811.0,       6.1,       6.1,       0.0);
     ( 629324.0, 4277861.0,       6.0,       6.0,       0.0);        ( 629324.0,
4277911.0,       6.6,       6.6,       0.0);
     ( 629324.0, 4277961.0,       6.2,       6.2,       0.0);        ( 629324.0,
4278011.0,       5.8,       5.8,       0.0);
     ( 629324.0, 4278061.0,       5.5,       5.5,       0.0);        ( 629324.0,
4278111.0,       5.6,       5.6,       0.0);
     ( 629324.0, 4278161.0,       5.5,       5.5,       0.0);        ( 629324.0,
4278211.0,       5.6,       5.6,       0.0);
     ( 629324.0, 4278261.0,       5.7,       5.7,       0.0);        ( 629324.0,
4278311.0,       5.7,       5.7,       0.0);
     ( 629324.0, 4278361.0,       5.8,       5.8,       0.0);        ( 629324.0,
4278411.0,       5.7,       5.7,       0.0);
     ( 629324.0, 4278561.0,       5.0,       5.0,       0.0);        ( 629324.0,
4278611.0,       4.7,       4.7,       0.0);
     ( 629324.0, 4278661.0,       4.6,       4.6,       0.0);        ( 629324.0,
4278711.0,       4.3,       4.3,       0.0);
     ( 629324.0, 4278761.0,       4.1,       4.1,       0.0);        ( 629324.0,
4278811.0,       4.3,       4.3,       0.0);
     ( 629324.0, 4278861.0,       4.2,       4.2,       0.0);        ( 629324.0,
4278911.0,       4.3,       4.3,       0.0);
     ( 629274.0, 4277661.0,       6.7,       6.7,       0.0);        ( 629274.0,
4277711.0,       6.6,       6.6,       0.0);
     ( 629274.0, 4277761.0,       6.5,       6.5,       0.0);        ( 629274.0,
4277811.0,       6.7,       6.7,       0.0);
     ( 629274.0, 4277861.0,       6.7,       6.7,       0.0);        ( 629274.0,
4277911.0,       7.0,       7.0,       0.0);
     ( 629274.0, 4277961.0,       7.2,       7.2,       0.0);        ( 629274.0,
4278011.0,       7.5,       7.5,       0.0);
     ( 629274.0, 4278061.0,       7.3,       7.3,       0.0);        ( 629274.0,
4278111.0,       6.7,       6.7,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629274.0, 4278161.0, 6.3, 6.3, 0.0); (629274.0, 4278211.0, 6.1, 6.1, 0.0);
(629274.0, 4278261.0, 5.8, 5.8, 0.0); (629274.0, 4278311.0, 5.8, 5.8, 0.0);
(629274.0, 4278361.0, 5.5, 5.5, 0.0); (629274.0, 4278511.0, 5.2, 5.2, 0.0);
(629274.0, 4278561.0, 4.9, 4.9, 0.0); (629274.0, 4278611.0, 4.8, 4.8, 0.0);
(629274.0, 4278661.0, 4.6, 4.6, 0.0); (629274.0, 4278711.0, 4.3, 4.3, 0.0);
(629274.0, 4278761.0, 4.3, 4.3, 0.0); (629274.0, 4278811.0, 4.3, 4.3, 0.0);
(629274.0, 4278861.0, 4.3, 4.3, 0.0); (629274.0, 4278911.0, 4.4, 4.4, 0.0);

```
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\ARCO\ARCO.isc
***        02/13/23
 *** AERMET - VERSION  19191 ***   ***
***        12:15:59

PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.


                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA
***

Surface file: MET data\14-18.SFC
Met Version: 19191
Profile file: MET data\14-18.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93225 Upper air station no.: 23230
Name: SMF Name: OAKLAND/WSO_AP
Year: 2014 Year: 2014

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
14	01	01	1	01	-15.5	0.166	-9.000	-9.000	-999.	162.	30.3	0.05	0.69	1.00	2.36	211.	10.1	275.4	2.0
14	01	01	1	02	-3.4	0.079	-9.000	-9.000	-999.	56.	13.1	0.06	0.69	1.00	1.06	188.	10.1	273.8	2.0
14	01	01	1	03	-12.2	0.146	-9.000	-9.000	-999.	134.	23.5	0.05	0.69	1.00	2.10	136.	10.1	275.9	2.0
14	01	01	1	04	-23.3	0.226	-9.000	-9.000	-999.	257.	56.0	0.05	0.69	1.00	3.15	142.	10.1	277.0	2.0
14	01	01	1	05	-16.2	0.171	-9.000	-9.000	-999.	170.	32.2	0.06	0.69	1.00	2.33	186.	10.1	274.9	2.0
14	01	01	1	06	-3.0	0.076	-9.000	-9.000	-999.	55.	12.9	0.06	0.69	1.00	0.99	204.	10.1	273.1	2.0
14	01	01	1	07	-4.8	0.092	-9.000	-9.000	-999.	67.	14.7	0.07	0.69	1.00	1.28	171.	10.1	272.0	2.0
14	01	01	1	08	-1.8	0.065	-9.000	-9.000	-999.	40.	14.3	0.06	0.69	1.00	0.67	183.	10.1	273.1	2.0
14	01	01	1	09	-0.3	0.062	-9.000	-9.000	-999.	37.	75.4	0.06	0.69	0.41	0.82	181.	10.1	278.1	2.0
14	01	01	1	10	36.6	0.151	0.431	0.020	80.	141.	-8.6	0.05	0.69	0.28	1.55	141.	10.1	280.4	2.0
14	01	01	1	11	65.9	0.162	0.666	0.019	163.	157.	-5.9	0.07	0.69	0.24	1.48	161.	10.1	283.1	2.0
14	01	01	1	12	82.5	0.174	0.784	0.017	212.	175.	-5.8	0.07	0.69	0.22	1.59	152.	10.1	285.9	2.0
14	01	01	1	13	86.0	0.219	0.835	0.015	246.	246.	-11.1	0.07	0.69	0.22	2.18	154.	10.1	288.1	2.0
14	01	01	1	14	74.8	0.234	0.838	0.014	286.	272.	-15.6	0.05	0.69	0.23	2.56	229.	10.1	288.1	2.0
14	01	01	1	15	42.8	0.198	0.714	0.013	308.	212.	-16.5	0.06	0.69	0.26	2.08	180.	10.1	288.8	2.0
14	01	01	1	16	15.1	0.151	0.507	0.013	315.	141.	-20.7	0.06	0.69	0.35	1.62	194.	10.1	288.1	2.0
14	01	01	1	17	-9.6	0.137	-9.000	-9.000	-999.	122.	24.4	0.05	0.69	0.61	1.96	223.	10.1	286.4	2.0
14	01	01	1	18	-1.5	0.061	-9.000	-9.000	-999.	38.	13.6	0.04	0.69	1.00	0.65	251.	10.1	283.8	2.0
14	01	01	1	19	-1.5	0.058	-9.000	-9.000	-999.	34.	12.1	0.02	0.69	1.00	0.72	47.	10.1	280.9	2.0
14	01	01	1	20	-3.4	0.076	-9.000	-9.000	-999.	50.	11.8	0.03	0.69	1.00	1.20	81.	10.1	278.8	2.0
14	01	01	1	21	-2.2	0.065	-9.000	-9.000	-999.	40.	11.5	0.03	0.69	1.00	0.91	73.	10.1	278.8	2.0
14	01	01	1	22	-1.6	0.059	-9.000	-9.000	-999.	35.	12.0	0.02	0.69	1.00	0.74	22.	10.1	279.2	2.0
14	01	01	1	23	-1.9	0.063	-9.000	-9.000	-999.	38.	11.9	0.03	0.69	1.00	0.82	60.	10.1	277.0	2.0

```
 14 01 01   1 24   -5.1  0.090 -9.000 -9.000 -999.   65.     13.1  0.02   0.69   1.00
1.57   34.   10.1  276.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 14 01 01 01   10.1 1  211.    2.36   275.4   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630024.00	4277661.00	1.46528	630024.00	4277681.00	1.55629
630024.00	4277761.00	1.82235	630024.00	4277781.00	1.86422
630024.00	4277801.00	1.90571	630024.00	4277821.00	1.94204
630024.00	4277841.00	1.97016	630024.00	4277861.00	1.98360
630024.00	4277881.00	1.97352	630024.00	4277901.00	1.93933
630024.00	4277921.00	1.90308	630024.00	4277941.00	1.86808
630024.00	4277961.00	1.84572	630024.00	4277981.00	1.83793
630024.00	4278001.00	1.85117	630024.00	4278021.00	1.88279
630024.00	4278041.00	1.93179	630024.00	4278061.00	1.98425
630024.00	4278081.00	2.03811	630024.00	4278101.00	2.08882
630024.00	4278121.00	2.13271	630024.00	4278141.00	2.16458
630024.00	4278161.00	2.18322	630044.00	4277661.00	1.61976
630044.00	4277681.00	1.73806	630044.00	4277741.00	2.05154
630044.00	4277761.00	2.12902	630044.00	4277781.00	2.19191
630044.00	4277801.00	2.25570	630044.00	4277821.00	2.30980
630044.00	4277841.00	2.35146	630044.00	4277861.00	2.36822
630044.00	4277881.00	2.35364	630044.00	4277901.00	2.30807
630044.00	4277921.00	2.26755	630044.00	4277941.00	2.23084
630044.00	4277961.00	2.21289	630044.00	4277981.00	2.21233
630044.00	4278001.00	2.23808	630044.00	4278021.00	2.28614
630044.00	4278041.00	2.35515	630044.00	4278061.00	2.42676
630044.00	4278081.00	2.49356	630044.00	4278101.00	2.55141
630044.00	4278121.00	2.59542	630044.00	4278141.00	2.62236
630044.00	4278161.00	2.62849	630064.00	4277661.00	1.78987
630064.00	4277741.00	2.38659	630064.00	4277761.00	2.50730

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         630064.00    4277781.00        2.60593                    630064.00
4277801.00        2.70726
         630064.00    4277821.00        2.78841                    630064.00
4277841.00        2.84623
         630064.00    4277861.00        2.86869                    630064.00
4277881.00        2.85233
         630064.00    4277901.00        2.79788                    630064.00
4277921.00        2.75091
         630064.00    4277941.00        2.71268                    630064.00
4277961.00        2.70316
         630064.00    4277981.00        2.71862                    630064.00
4278001.00        2.76645
         630064.00    4278021.00        2.83813                    630064.00
4278041.00        2.92713
         630064.00    4278061.00        3.01832                    630064.00
4278081.00        3.09654
         630064.00    4278101.00        3.15601                    630064.00
4278121.00        3.19121
         630064.00    4278141.00        3.20101                    630064.00
4278161.00        3.17902
         630084.00    4277741.00        2.78401                    630084.00
4277761.00        2.97290
         630084.00    4277781.00        3.13703                    630084.00
4277801.00        3.29461
         630084.00    4277821.00        3.41786                    630084.00
4277841.00        3.50307
         630084.00    4277861.00        3.54260                    630084.00
4277881.00        3.53038
         630084.00    4277901.00        3.46728                    630084.00
4277921.00        3.41323
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630084.00	4277941.00	3.37433	630084.00	4277961.00	3.38029
630084.00	4277981.00	3.42667	630084.00	4278001.00	3.51186
630084.00	4278021.00	3.62694	630084.00	4278041.00	3.74359
630084.00	4278061.00	3.84435	630084.00	4278081.00	3.92141
630084.00	4278101.00	3.96556	630084.00	4278121.00	3.96970
630084.00	4278141.00	3.93073	630084.00	4278161.00	3.85238
630104.00	4277701.00	2.67629	630104.00	4277721.00	2.95695
630104.00	4277761.00	3.53928	630104.00	4277781.00	3.81867
630104.00	4277801.00	4.06445	630104.00	4277821.00	4.26331
630104.00	4277841.00	4.40703	630104.00	4277861.00	4.48435
630104.00	4277881.00	4.48631	630104.00	4277901.00	4.41768
630104.00	4277921.00	4.35387	630104.00	4277941.00	4.31768
630104.00	4277961.00	4.35427	630104.00	4277981.00	4.44811
630104.00	4278001.00	4.59155	630104.00	4278021.00	4.76024
630104.00	4278041.00	4.91478	630104.00	4278061.00	5.02443
630104.00	4278081.00	5.06742	630104.00	4278101.00	5.05300
630104.00	4278121.00	4.97159	630104.00	4278141.00	4.83799
630104.00	4278161.00	4.66495	630124.00	4277701.00	3.02031
630124.00	4277721.00	3.38307	630124.00	4277741.00	3.78427
630124.00	4277761.00	4.22205	630124.00	4277821.00	5.43794
630124.00	4277841.00	5.69891	630124.00	4277861.00	5.85192
630124.00	4277881.00	5.89193	630124.00	4277901.00	5.83786
630124.00	4277921.00	5.75875	630124.00	4277941.00	5.72950
630124.00	4277961.00	5.82674	630124.00	4277981.00	6.00480
630124.00	4278001.00	6.23670	630124.00	4278021.00	6.46365

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         630124.00    4278041.00        6.62290                    630124.00
4278061.00        6.67777
         630124.00    4278081.00        6.62049                    630124.00
4278101.00        6.46377
         630124.00    4278121.00        6.22936                    630124.00
4278141.00        5.94136
         630124.00    4278161.00        5.62203                    630144.00
4277681.00        3.02366
         630144.00    4277701.00        3.41731                    630144.00
4277721.00        3.87813
         630144.00    4277741.00        4.42954                    630144.00
4277761.00        5.06514
         630144.00    4277781.00        5.76521                    630144.00
4277841.00        7.61143
         630144.00    4277861.00        7.92111                    630144.00
4277881.00        8.04255
         630144.00    4277901.00        8.02968                    630144.00
4277921.00        7.93418
         630144.00    4277941.00        7.93845                    630144.00
4277961.00        8.18624
         630144.00    4277981.00        8.52080                    630144.00
4278001.00        8.86110
         630144.00    4278021.00        9.09870                    630144.00
4278041.00        9.15209
         630144.00    4278061.00        9.00731                    630144.00
4278081.00        8.69550
         630144.00    4278101.00        8.26688                    630144.00
4278121.00        7.76953
         630144.00    4278141.00        7.24233                    630144.00
4278161.00        6.71392
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630164.00	4277661.00	3.00582	630164.00	4277681.00	3.40894
630164.00	4277701.00	3.88985	630164.00	4277721.00	4.47237
630164.00	4277741.00	5.20888	630164.00	4277761.00	6.10402
630164.00	4277781.00	7.16424	630164.00	4277801.00	8.31379
630164.00	4277861.00	11.26648	630164.00	4277881.00	11.60923
630164.00	4277901.00	11.66190	630164.00	4277921.00	11.60315
630164.00	4277941.00	11.75063	630164.00	4277961.00	12.29561
630164.00	4277981.00	12.85965	630164.00	4278001.00	13.22272
630164.00	4278021.00	13.23648	630164.00	4278041.00	12.87278
630164.00	4278061.00	12.21566	630164.00	4278081.00	11.38914
630164.00	4278101.00	10.48596	630164.00	4278121.00	9.57949
630164.00	4278141.00	8.71303	630164.00	4278161.00	7.90833
630184.00	4277661.00	3.39934	630184.00	4277681.00	3.88377
630184.00	4277701.00	4.47648	630184.00	4277721.00	5.21384
630184.00	4277741.00	6.18019	630184.00	4277761.00	7.40958
630184.00	4277781.00	8.96727	630184.00	4277801.00	10.83745
630184.00	4277861.00	17.00802	630184.00	4277881.00	18.02569
630184.00	4277901.00	18.34149	630184.00	4277921.00	18.53255
630184.00	4277941.00	19.10071	630184.00	4277961.00	20.15150
630184.00	4277981.00	20.81401	630184.00	4278001.00	20.64372
630184.00	4278021.00	19.67325	630184.00	4278041.00	18.17084
630184.00	4278061.00	16.44140	630184.00	4278081.00	14.69959
630184.00	4278101.00	13.06384	630184.00	4278121.00	11.58654
630184.00	4278141.00	10.28134	630184.00	4278161.00	9.14129
630204.00	4277661.00	3.89337	630204.00	4277681.00	4.48799

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         630204.00    4277701.00        5.23119                    630204.00
4277721.00        6.17463
         630204.00    4277741.00        7.44088                    630204.00
4277761.00        9.11416
         630204.00    4277781.00       11.37032                    630204.00
4277801.00       14.35735
         630204.00    4277821.00       18.31358                    630204.00
4277901.00       32.45782
         630204.00    4277921.00       33.86183                    630204.00
4277941.00       35.37253
         630204.00    4277961.00       36.66866                    630204.00
4277981.00       35.96458
         630204.00    4278001.00       33.05084                    630204.00
4278021.00       29.15075
         630204.00    4278041.00       25.16614                    630204.00
4278061.00       21.54379
         630204.00    4278081.00       18.42391                    630204.00
4278101.00       15.80296
         630204.00    4278121.00       13.62299                    630204.00
4278141.00       11.81371
         630204.00    4278161.00       10.30859                    630224.00
4277661.00        4.51458
         630224.00    4277681.00        5.27711                    630224.00
4277701.00        6.22967
         630224.00    4277721.00        7.45659                    630224.00
4277741.00        9.13935
         630224.00    4277761.00       11.45633                    630224.00
4277781.00       14.77240
         630224.00    4277801.00       19.58913                    630224.00
4277821.00       26.75682
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630224.00	4277901.00	67.34302	630224.00	4277921.00	73.81882
630224.00	4277941.00	75.93562	630224.00	4277961.00	73.49057
630224.00	4277981.00	63.61455	630224.00	4278001.00	51.71935
630224.00	4278021.00	41.33671	630224.00	4278041.00	33.14685
630224.00	4278061.00	26.86004	630224.00	4278081.00	22.04286
630224.00	4278101.00	18.32227	630224.00	4278121.00	15.41498
630224.00	4278141.00	13.11376	630224.00	4278161.00	11.26875
630244.00	4277701.00	7.55232	630244.00	4277721.00	9.24752
630244.00	4277741.00	11.59140	630244.00	4277761.00	14.93436
630244.00	4277781.00	19.92624	630244.00	4277801.00	27.94927
630244.00	4277821.00	41.42042	630244.00	4277841.00	63.75016
630244.00	4277941.00	166.28047	630244.00	4277961.00	143.54334
630244.00	4277981.00	102.66170	630244.00	4278001.00	72.70116
630244.00	4278021.00	53.05363	630244.00	4278041.00	40.00613
630244.00	4278061.00	31.06148	630244.00	4278081.00	24.72112
630244.00	4278101.00	20.09056	630244.00	4278121.00	16.61815
630244.00	4278141.00	13.95286	630244.00	4278161.00	11.86656
630264.00	4277741.00	14.99287	630264.00	4277761.00	20.06784
630264.00	4277781.00	28.12588	630264.00	4277801.00	41.80043
630264.00	4277821.00	67.18061	630264.00	4277841.00	115.05160
630264.00	4277941.00	241.83578	630264.00	4277961.00	196.62631
630264.00	4277981.00	127.24950	630264.00	4278001.00	83.84707
630264.00	4278021.00	58.46101	630264.00	4278041.00	42.81744
630264.00	4278061.00	32.60480	630264.00	4278081.00	25.60554
630264.00	4278101.00	20.61320	630264.00	4278121.00	16.93253

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         630264.00    4278141.00       14.14267                    630264.00
4278161.00       11.97969
         630284.00    4277661.00        7.31396                    630284.00
4277681.00        8.95604
         630284.00    4277801.00       56.10918                    630284.00
4277821.00       90.29965
         630284.00    4277841.00      147.71224                    630284.00
4277941.00      218.19332
         630284.00    4277961.00      174.26102                    630284.00
4277981.00      113.88179
         630284.00    4278001.00       76.38922                    630284.00
4278021.00       54.07600
         630284.00    4278041.00       40.06808                    630284.00
4278061.00       30.78218
         630284.00    4278081.00       24.33938                    630284.00
4278101.00       19.69787
         630284.00    4278121.00       16.24873                    630284.00
4278141.00       13.61847
         630284.00    4278161.00       11.56875                    630304.00
4277661.00        8.51713
         630304.00    4277681.00       10.47700                    630304.00
4277701.00       13.15518
         630304.00    4277721.00       16.90579                    630324.00
4277661.00        9.59877
         630324.00    4277681.00       11.76473                    630324.00
4277701.00       14.64368
         630324.00    4277721.00       18.51795                    630324.00
4277741.00       23.80632
         630324.00    4277761.00       30.98891                    630324.00
4277781.00       40.63655
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630344.00	4277661.00	10.31330	630344.00	4277681.00	12.47152
630344.00	4277701.00	15.20067	630344.00	4277721.00	18.64089
630344.00	4277741.00	22.92537	630344.00	4277761.00	28.11227
630344.00	4277781.00	34.02639	630344.00	4277801.00	40.02532
630344.00	4277821.00	44.78645	630344.00	4277881.00	42.03733
630344.00	4277901.00	38.86457	630344.00	4277921.00	36.64559
630344.00	4277941.00	34.80283	630344.00	4277961.00	32.04264
630344.00	4277981.00	28.55719	630344.00	4278001.00	24.93596
630344.00	4278021.00	21.49644	630344.00	4278041.00	18.45070
630344.00	4278061.00	15.91749	630344.00	4278081.00	13.83549
630344.00	4278101.00	12.09268	630344.00	4278121.00	10.59661
630344.00	4278141.00	9.31934	630344.00	4278161.00	8.23844
630364.00	4277661.00	10.50269	630364.00	4277681.00	12.40253
630364.00	4277701.00	14.65999	630364.00	4277721.00	17.28180
630364.00	4277741.00	20.20968	630364.00	4277761.00	23.28456
630364.00	4277781.00	26.19481	630364.00	4277801.00	28.37874
630364.00	4277821.00	29.21155	630364.00	4277881.00	24.33820
630364.00	4277901.00	22.84382	630364.00	4277921.00	22.05788
630364.00	4277941.00	21.31456	630364.00	4277961.00	20.18140
630364.00	4277981.00	18.66155	630364.00	4278001.00	16.96091
630364.00	4278021.00	15.22050	630364.00	4278041.00	13.54362
630364.00	4278061.00	12.07475	630364.00	4278081.00	10.78524
630364.00	4278101.00	9.66003	630364.00	4278121.00	8.65440
630364.00	4278141.00	7.75850	630364.00	4278161.00	6.97441
630384.00	4277661.00	10.17066	630384.00	4277681.00	11.67050

```
         630384.00    4277701.00       13.32023                    630384.00
4277721.00       15.06072
         630384.00    4277741.00       16.77605                    630384.00
4277761.00       18.30056
         630384.00    4277781.00       19.42691                    630384.00
4277801.00       19.88905
         630384.00    4277821.00       19.45403                    630384.00
4277881.00       15.60661
         630384.00    4277901.00       14.85024                    630384.00
4277921.00       14.51821
         630384.00    4277941.00       14.19066                    630384.00
4277961.00       13.66450
         630384.00    4277981.00       12.91922                    630384.00
4278001.00       12.03686
         630384.00    4278021.00       11.10127                    630384.00
4278041.00       10.16994
         630384.00    4278061.00        9.28620                    630384.00
4278081.00        8.46073
         630384.00    4278101.00        7.70408                    630384.00
4278121.00        7.01701
         630384.00    4278141.00        6.39629                    630384.00
4278161.00        5.83754
         630404.00    4277661.00        9.42858                    630404.00
4277681.00       10.50241
         630404.00    4277701.00       11.58478                    630404.00
4277721.00       12.60648
         630404.00    4277741.00       13.47219                    630404.00
4277761.00       14.07986
         630404.00    4277781.00       14.33375                    630404.00
4277801.00       14.12190
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630404.00	4277821.00	13.41798	630404.00	4277881.00	10.75866
630404.00	4277901.00	10.37593	630404.00	4277921.00	10.20339
630404.00	4277941.00	10.04744	630404.00	4277961.00	9.78065
630404.00	4277981.00	9.38163	630404.00	4278001.00	8.88578
630404.00	4278021.00	8.33760	630404.00	4278041.00	7.77258
630404.00	4278061.00	7.21458	630404.00	4278081.00	6.66850
630404.00	4278101.00	6.17212	630404.00	4278121.00	5.70347
630404.00	4278141.00	5.26925	630404.00	4278161.00	4.87010
630424.00	4277661.00	8.45598	630424.00	4277681.00	9.15735
630424.00	4277701.00	9.79667	630424.00	4277721.00	10.31734
630424.00	4277741.00	10.66578	630424.00	4277761.00	10.79044
630424.00	4277781.00	10.66952	630424.00	4277801.00	10.26032
630424.00	4277821.00	9.60426	630424.00	4277881.00	7.82225
630424.00	4277901.00	7.61255	630424.00	4277921.00	7.52727
630424.00	4277941.00	7.45085	630424.00	4277961.00	7.30744
630424.00	4277981.00	7.07936	630424.00	4278001.00	6.78279
630424.00	4278021.00	6.44280	630424.00	4278041.00	6.05976
630424.00	4278061.00	5.68111	630424.00	4278081.00	5.31746
630424.00	4278101.00	4.98362	630424.00	4278121.00	4.67476
630424.00	4278141.00	4.36413	630424.00	4278161.00	4.07423
630444.00	4277661.00	7.41700	630444.00	4277681.00	7.83153
630444.00	4277701.00	8.15767	630444.00	4277721.00	8.35963
630444.00	4277741.00	8.41848	630444.00	4277761.00	8.31508
630444.00	4277781.00	8.05988	630444.00	4277801.00	7.64948
630444.00	4277821.00	7.11809	630444.00	4277881.00	5.92443

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         630444.00    4277901.00        5.80515                    630444.00
4277921.00        5.76313
         630444.00    4277941.00        5.72590                    630444.00
4277961.00        5.64628
         630444.00    4277981.00        5.50951                    630444.00
4278001.00        5.32328
         630444.00    4278021.00        5.08379                    630444.00
4278041.00        4.82134
         630444.00    4278061.00        4.56286                    630444.00
4278081.00        4.31873
         630444.00    4278101.00        4.08955                    630444.00
4278121.00        3.87425
         630444.00    4278141.00        3.64621                    630444.00
4278161.00        3.43094
         630464.00    4277661.00        6.40342                    630464.00
4277681.00        6.62488
         630464.00    4277701.00        6.75266                    630464.00
4277721.00        6.77152
         630464.00    4277741.00        6.68638                    630464.00
4277761.00        6.49215
         630464.00    4277781.00        6.21295                    630464.00
4277801.00        5.84944
         630464.00    4277821.00        5.44138                    630464.00
4277881.00        4.63200
         630464.00    4277901.00        4.56194                    630464.00
4277921.00        4.54223
         630464.00    4277941.00        4.52598                    630464.00
4277961.00        4.48129
         630464.00    4277981.00        4.39567                    630464.00
4278001.00        4.26008
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630464.00	4278021.00	4.09006	630464.00	4278041.00	3.91397
630464.00	4278061.00	3.74081	630464.00	4278081.00	3.57347
630464.00	4278101.00	3.41120	630464.00	4278121.00	3.24844
630464.00	4278141.00	3.07725	630464.00	4278161.00	2.91380
630484.00	4277661.00	5.47024	630484.00	4277681.00	5.56515
630484.00	4277701.00	5.57915	630484.00	4277721.00	5.50172
630484.00	4277741.00	5.35523	630484.00	4277761.00	5.13780
630484.00	4277781.00	4.87158	630484.00	4277801.00	4.57652
630484.00	4277821.00	4.27125	630484.00	4277881.00	3.71411
630484.00	4277901.00	3.67211	630484.00	4277921.00	3.66479
630484.00	4277941.00	3.65992	630484.00	4277961.00	3.63540
630484.00	4277981.00	3.57778	630484.00	4278001.00	3.48042
630484.00	4278021.00	3.36449	630484.00	4278041.00	3.24171
630484.00	4278061.00	3.12067	630484.00	4278081.00	3.00020
630484.00	4278101.00	2.88027	630484.00	4278121.00	2.75408
630484.00	4278141.00	2.62333	630484.00	4278161.00	2.49657
630504.00	4277661.00	4.65441	630504.00	4277681.00	4.66910
630504.00	4277701.00	4.61943	630504.00	4277721.00	4.50230
630504.00	4277741.00	4.33911	630504.00	4277761.00	4.13280
630504.00	4277781.00	3.89808	630504.00	4277801.00	3.66059
630504.00	4277821.00	3.43038	630504.00	4277881.00	3.03982
630504.00	4277901.00	3.01457	630504.00	4277921.00	3.01384
630504.00	4277941.00	3.01530	630504.00	4277961.00	3.00270
630504.00	4277981.00	2.96283	630504.00	4278001.00	2.89465
630504.00	4278021.00	2.81292	630504.00	4278041.00	2.72419

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         630504.00    4278061.00        2.63399                    630504.00
4278081.00        2.54416
         630504.00    4278101.00        2.45314                    630504.00
4278121.00        2.35866
         630504.00    4278141.00        2.25748                    630504.00
4278161.00        2.15811
         630524.00    4277661.00        3.95808                    630524.00
4277681.00        3.92468
         630524.00    4277701.00        3.84757                    630524.00
4277721.00        3.71894
         630524.00    4277741.00        3.56104                    630524.00
4277761.00        3.37699
         630524.00    4277781.00        3.17887                    630524.00
4277801.00        2.98406
         630524.00    4277821.00        2.80924                    630524.00
4277881.00        2.53062
         630524.00    4277901.00        2.51543                    630524.00
4277921.00        2.51746
         630524.00    4277941.00        2.52195                    630524.00
4277961.00        2.51705
         630524.00    4277981.00        2.49048                    630524.00
4278001.00        2.44194
         630524.00    4278021.00        2.38275                    630524.00
4278041.00        2.31645
         630524.00    4278061.00        2.24839                    630524.00
4278081.00        2.17999
         630524.00    4278101.00        2.11097                    630524.00
4278121.00        2.03849
         630524.00    4278141.00        1.95931                    630524.00
4278161.00        1.88067
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630024.00	4278211.00	2.18112	630024.00	4278261.00	2.11115
630024.00	4278311.00	1.98227	630024.00	4278361.00	1.82652
630024.00	4278411.00	1.66207	630024.00	4278461.00	1.49942
630024.00	4278511.00	1.35743	630024.00	4278561.00	1.22395
630024.00	4278611.00	1.10346	630024.00	4278711.00	0.90583
630024.00	4278761.00	0.82442	630024.00	4278811.00	0.75326
630024.00	4278861.00	0.68977	630024.00	4278911.00	0.63372
630074.00	4278211.00	3.27610	630074.00	4278261.00	2.96609
630074.00	4278311.00	2.63424	630074.00	4278361.00	2.31806
630074.00	4278411.00	2.03378	630074.00	4278461.00	1.78349
630074.00	4278511.00	1.57274	630074.00	4278561.00	1.39071
630074.00	4278611.00	1.23443	630074.00	4278711.00	0.98935
630074.00	4278761.00	0.89147	630074.00	4278811.00	0.80760
630074.00	4278861.00	0.73453	630074.00	4278911.00	0.67080
630124.00	4278211.00	4.79102	630124.00	4278261.00	4.02468
630124.00	4278311.00	3.37461	630124.00	4278361.00	2.84173
630124.00	4278411.00	2.41015	630124.00	4278461.00	2.06090
630124.00	4278511.00	1.77709	630124.00	4278561.00	1.54292
630124.00	4278611.00	1.35119	630124.00	4278711.00	1.06075
630124.00	4278761.00	0.94839	630124.00	4278811.00	0.85225
630124.00	4278861.00	0.77033	630124.00	4278911.00	0.70030
630174.00	4278211.00	6.56344	630174.00	4278261.00	5.13518
630174.00	4278311.00	4.09205	630174.00	4278361.00	3.31895
630174.00	4278411.00	2.73719	630174.00	4278461.00	2.29009
630174.00	4278511.00	1.94055	630174.00	4278561.00	1.66226

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         630174.00    4278611.00        1.44011                    630174.00
4278711.00        1.11077
         630174.00    4278761.00        0.98711                    630174.00
4278811.00        0.88203
         630174.00    4278861.00        0.79333                    630174.00
4278911.00        0.71856
         630224.00    4278211.00        8.00986                    630224.00
4278261.00        5.94991
         630224.00    4278311.00        4.57611                    630224.00
4278361.00        3.61925
         630224.00    4278411.00        2.92909                    630224.00
4278461.00        2.41616
         630224.00    4278511.00        2.02331                    630224.00
4278561.00        1.71897
         630224.00    4278611.00        1.47988                    630224.00
4278711.00        1.12952
         630224.00    4278761.00        0.99950                    630224.00
4278811.00        0.89109
         630224.00    4278861.00        0.79959                    630224.00
4278911.00        0.72213
         630274.00    4278211.00        8.21967                    630274.00
4278261.00        6.01995
         630274.00    4278311.00        4.58805                    630274.00
4278361.00        3.60665
         630274.00    4278411.00        2.90653                    630274.00
4278461.00        2.39055
         630274.00    4278511.00        1.99959                    630274.00
4278561.00        1.69646
         630274.00    4278611.00        1.45885                    630274.00
4278711.00        1.11121
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630274.00	4278761.00	0.98292	630274.00	4278811.00	0.87648
630274.00	4278861.00	0.78560	630274.00	4278911.00	0.70898
630374.00	4278211.00	5.03030	630374.00	4278261.00	4.03558
630374.00	4278311.00	3.28222	630374.00	4278361.00	2.70799
630374.00	4278411.00	2.26659	630374.00	4278461.00	1.92004
630374.00	4278511.00	1.64498	630374.00	4278561.00	1.42356
630374.00	4278611.00	1.24348	630374.00	4278711.00	0.97201
630374.00	4278761.00	0.86859	630374.00	4278811.00	0.78103
630374.00	4278861.00	0.70498	630374.00	4278911.00	0.64180
630424.00	4278211.00	3.43636	630424.00	4278261.00	2.91039
630424.00	4278311.00	2.47806	630424.00	4278361.00	2.12327
630424.00	4278411.00	1.83183	630424.00	4278461.00	1.59126
630424.00	4278511.00	1.39215	630424.00	4278561.00	1.22598
630424.00	4278611.00	1.08681	630424.00	4278711.00	0.86962
630424.00	4278761.00	0.78439	630424.00	4278811.00	0.71104
630424.00	4278861.00	0.64740	630424.00	4278911.00	0.59249
630474.00	4278211.00	2.36427	630474.00	4278261.00	2.07890
630474.00	4278311.00	1.83318	630474.00	4278361.00	1.62073
630474.00	4278411.00	1.43897	630474.00	4278461.00	1.28140
630474.00	4278511.00	1.14543	630474.00	4278561.00	1.02778
630474.00	4278611.00	0.92626	630474.00	4278711.00	0.76122
630474.00	4278761.00	0.69410	630474.00	4278811.00	0.63528
630474.00	4278861.00	0.58237	630474.00	4278911.00	0.53682
630524.00	4278211.00	1.69025	630524.00	4278261.00	1.52147
630524.00	4278311.00	1.37140	630524.00	4278361.00	1.23981

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         630524.00    4278411.00        1.12396                    630524.00
4278461.00        1.02143
         630524.00    4278511.00        0.93046                    630524.00
4278561.00        0.84810
         630524.00    4278611.00        0.77716                    630524.00
4278711.00        0.65638
         630524.00    4278761.00        0.60533                    630524.00
4278811.00        0.55970
         630524.00    4278861.00        0.51865                    630524.00
4278911.00        0.48117
         630574.00    4278211.00        1.26093                    630574.00
4278261.00        1.15234
         630574.00    4278311.00        1.05331                    630574.00
4278361.00        0.96434
         630574.00    4278411.00        0.88731                    630574.00
4278461.00        0.81800
         630574.00    4278511.00        0.75592                    630574.00
4278561.00        0.69886
         630574.00    4278611.00        0.64903                    630574.00
4278711.00        0.55957
         630574.00    4278761.00        0.52173                    630574.00
4278811.00        0.48878
         630574.00    4278861.00        0.45719                    630574.00
4278911.00        0.42761
         630624.00    4278211.00        0.97079                    630624.00
4278261.00        0.90010
         630624.00    4278311.00        0.83234                    630624.00
4278361.00        0.76933
         630624.00    4278411.00        0.71421                    630624.00
4278461.00        0.66445
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630624.00	4278511.00	0.61996	630624.00	4278561.00	0.57983
630624.00	4278611.00	0.54346	630624.00	4278711.00	0.47760
630624.00	4278761.00	0.44952	630624.00	4278811.00	0.42487
630624.00	4278861.00	0.40097	630624.00	4278911.00	0.37792
630674.00	4278211.00	0.76730	630674.00	4278261.00	0.72060
630674.00	4278311.00	0.67388	630674.00	4278361.00	0.62863
630674.00	4278411.00	0.58733	630674.00	4278461.00	0.54976
630674.00	4278511.00	0.51612	630674.00	4278561.00	0.48582
630674.00	4278611.00	0.45859	630674.00	4278711.00	0.41049
630674.00	4278761.00	0.38901	630674.00	4278811.00	0.36971
630674.00	4278861.00	0.35099	630674.00	4278911.00	0.33325
630724.00	4278211.00	0.62029	630724.00	4278261.00	0.58852
630724.00	4278311.00	0.55615	630724.00	4278361.00	0.52371
630724.00	4278411.00	0.49243	630724.00	4278461.00	0.46330
630724.00	4278511.00	0.43648	630724.00	4278561.00	0.41303
630724.00	4278611.00	0.39155	630724.00	4278711.00	0.35427
630724.00	4278761.00	0.33786	630724.00	4278811.00	0.32260
630724.00	4278861.00	0.30758	630724.00	4278911.00	0.29406
630774.00	4278211.00	0.51167	630774.00	4278261.00	0.48895
630774.00	4278311.00	0.46614	630774.00	4278361.00	0.44279
630774.00	4278411.00	0.41940	630774.00	4278461.00	0.39675
630774.00	4278511.00	0.37518	630774.00	4278561.00	0.35624
630774.00	4278611.00	0.33872	630774.00	4278711.00	0.30790
630774.00	4278761.00	0.29478	630774.00	4278811.00	0.28311
630774.00	4278861.00	0.27142	630774.00	4278911.00	0.26041

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         630824.00    4278211.00        0.42969                    630824.00
4278261.00        0.41262
         630824.00    4278311.00        0.39593                    630824.00
4278361.00        0.37898
         630824.00    4278411.00        0.36160                    630824.00
4278461.00        0.34416
         630824.00    4278511.00        0.32727                    630824.00
4278561.00        0.31139
         630824.00    4278611.00        0.29680                    630824.00
4278711.00        0.27147
         630824.00    4278761.00        0.26052                    630824.00
4278811.00        0.25049
         630824.00    4278861.00        0.24076                    630824.00
4278911.00        0.23208
         630874.00    4278211.00        0.36659                    630874.00
4278261.00        0.35321
         630874.00    4278311.00        0.34042                    630874.00
4278361.00        0.32782
         630874.00    4278411.00        0.31489                    630874.00
4278461.00        0.30160
         630874.00    4278511.00        0.28814                    630874.00
4278561.00        0.27527
         630874.00    4278611.00        0.26304                    630874.00
4278711.00        0.24140
         630874.00    4278761.00        0.23190                    630874.00
4278811.00        0.22335
         630874.00    4278861.00        0.21533                    630874.00
4278911.00        0.20811
         630924.00    4278211.00        0.31705                    630924.00
4278261.00        0.30629
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630924.00	4278311.00	0.29607	630924.00	4278361.00	0.28624
630924.00	4278411.00	0.27620	630924.00	4278461.00	0.26632
630924.00	4278511.00	0.25527	630924.00	4278561.00	0.24505
630924.00	4278611.00	0.23504	630924.00	4278711.00	0.21650
630924.00	4278761.00	0.20824	630924.00	4278811.00	0.20081
630924.00	4278861.00	0.19376	630924.00	4278911.00	0.18757
630974.00	4278211.00	0.27748	630974.00	4278261.00	0.26869
630974.00	4278311.00	0.26026	630974.00	4278361.00	0.25219
630974.00	4278411.00	0.24476	630974.00	4278461.00	0.23699
630974.00	4278511.00	0.22848	630974.00	4278561.00	0.22044
630974.00	4278611.00	0.21204	630974.00	4278711.00	0.19602
630974.00	4278761.00	0.18881	630974.00	4278811.00	0.18220
630974.00	4278861.00	0.17598	630974.00	4278911.00	0.17049
631024.00	4278211.00	0.24530	631024.00	4278261.00	0.23812
631024.00	4278311.00	0.23099	631024.00	4278361.00	0.22371
631024.00	4278411.00	0.21801	631024.00	4278461.00	0.21214
631024.00	4278511.00	0.20551	631024.00	4278561.00	0.19918
631024.00	4278611.00	0.19224	631024.00	4278711.00	0.17889
631024.00	4278761.00	0.17255	631024.00	4278811.00	0.16663
631024.00	4278861.00	0.16113	631024.00	4278911.00	0.15614
631074.00	4278211.00	0.21869	631074.00	4278261.00	0.21285
631074.00	4278311.00	0.20684	631074.00	4278361.00	0.20062
631074.00	4278411.00	0.19524	631074.00	4278461.00	0.19084
631074.00	4278511.00	0.18575	631074.00	4278561.00	0.18091
631074.00	4278611.00	0.17528	631074.00	4278711.00	0.16406

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         631074.00    4278761.00        0.15855                    631074.00
4278811.00        0.15337
         631074.00    4278861.00        0.14861                    631074.00
4278911.00        0.14394
         631124.00    4278211.00        0.19644                    631124.00
4278261.00        0.19160
         631124.00    4278311.00        0.18667                    631124.00
4278361.00        0.18144
         631124.00    4278411.00        0.17674                    631124.00
4278461.00        0.17286
         631124.00    4278511.00        0.16888                    631124.00
4278561.00        0.16469
         631124.00    4278611.00        0.16041                    631124.00
4278711.00        0.15124
         631124.00    4278761.00        0.14651                    631124.00
4278811.00        0.14191
         631124.00    4278861.00        0.13747                    631124.00
4278911.00        0.13325
         631174.00    4278211.00        0.17775                    631174.00
4278261.00        0.17397
         631174.00    4278311.00        0.16963                    631174.00
4278361.00        0.16501
         631174.00    4278411.00        0.16098                    631174.00
4278461.00        0.15740
         631174.00    4278511.00        0.15415                    631174.00
4278561.00        0.15077
         631174.00    4278611.00        0.14724                    631174.00
4278711.00        0.13978
         631174.00    4278761.00        0.13603                    631174.00
4278811.00        0.13212
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631174.00	4278861.00	0.12808	631174.00	4278911.00	0.12413
631224.00	4278211.00	0.16149	631224.00	4278261.00	0.15860
631224.00	4278311.00	0.15510	631224.00	4278361.00	0.15116
631224.00	4278411.00	0.14759	631224.00	4278461.00	0.14439
631224.00	4278511.00	0.14159	631224.00	4278561.00	0.13856
631224.00	4278611.00	0.13573	631224.00	4278711.00	0.12971
631224.00	4278761.00	0.12641	631224.00	4278811.00	0.12306
631224.00	4278861.00	0.11964	631224.00	4278911.00	0.11623
631274.00	4278311.00	0.14258	631274.00	4278361.00	0.13908
631274.00	4278411.00	0.13597	631274.00	4278461.00	0.13302
631274.00	4278511.00	0.13040	631274.00	4278561.00	0.12792
631274.00	4278611.00	0.12550	631274.00	4278661.00	0.12350
631274.00	4278711.00	0.12069	631274.00	4278761.00	0.11792
631274.00	4278811.00	0.11514	631274.00	4278861.00	0.11218
631274.00	4278911.00	0.10914	630574.00	4278161.00	1.37448
630574.00	4278111.00	1.48514	630574.00	4278061.00	1.58045
630574.00	4278011.00	1.66247	630574.00	4277511.00	2.58565
630574.00	4277461.00	2.38886	630574.00	4277411.00	2.15453
630574.00	4277311.00	1.68801	630574.00	4277161.00	1.09862
630574.00	4277111.00	0.95547	630574.00	4276961.00	0.67481
630574.00	4276911.00	0.60010	630624.00	4278161.00	1.04167
630624.00	4278111.00	1.10836	630624.00	4278061.00	1.16965
630624.00	4278011.00	1.21113	630624.00	4277961.00	1.22776
630624.00	4277911.00	1.21110	630624.00	4277811.00	1.29721
630624.00	4277761.00	1.45745	630624.00	4277711.00	1.65926

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         630624.00    4277661.00        1.84785                    630624.00
4277561.00        2.03837
         630624.00    4277511.00        2.02068                    630624.00
4277461.00        1.95285
         630624.00    4277411.00        1.83672                    630624.00
4277311.00        1.54797
         630624.00    4277211.00        1.25162                    630624.00
4276911.00        0.63344
         630674.00    4278161.00        0.81328                    630674.00
4278111.00        0.85426
         630674.00    4278061.00        0.89042                    630674.00
4278011.00        0.91678
         630674.00    4277961.00        0.92148                    630674.00
4277911.00        0.90557
         630674.00    4277861.00        0.90533                    630674.00
4277811.00        0.95143
         630674.00    4277761.00        1.04917                    630674.00
4277711.00        1.18240
         630674.00    4277661.00        1.32420                    630674.00
4277561.00        1.53220
         630674.00    4277511.00        1.56838                    630674.00
4277461.00        1.56515
         630674.00    4277411.00        1.52145                    630674.00
4277211.00        1.17280
         630674.00    4277161.00        1.07129                    630674.00
4277111.00        0.97373
         630674.00    4277061.00        0.88151                    630674.00
4277011.00        0.79623
         630724.00    4278161.00        0.65200                    630724.00
4278111.00        0.68187
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630724.00	4278061.00	0.70515	630724.00	4278011.00	0.71761
630724.00	4277961.00	0.71566	630724.00	4277911.00	0.70145
630724.00	4277861.00	0.69885	630724.00	4277811.00	0.72700
630724.00	4277761.00	0.78976	630724.00	4277711.00	0.87906
630724.00	4277661.00	0.98187	630724.00	4277611.00	1.08279
630724.00	4277561.00	1.16642	630724.00	4277511.00	1.22402
630724.00	4277461.00	1.25260	630724.00	4277411.00	1.24820
630724.00	4277261.00	1.13130	630724.00	4277211.00	1.06564
630724.00	4277161.00	0.99494	630724.00	4277111.00	0.92262
630724.00	4277061.00	0.85116	630724.00	4277011.00	0.78205
630724.00	4276961.00	0.71713	630774.00	4278161.00	0.53479
630774.00	4278111.00	0.55657	630774.00	4278061.00	0.57136
630774.00	4278011.00	0.57701	630774.00	4277961.00	0.57155
630774.00	4277911.00	0.55916	630774.00	4277861.00	0.55566
630774.00	4277761.00	0.61590	630774.00	4277711.00	0.67744
630774.00	4277611.00	0.82985	630774.00	4277561.00	0.90279
630774.00	4277511.00	0.96171	630774.00	4277461.00	1.00331
630774.00	4277311.00	1.01250	630774.00	4277261.00	0.98714
630774.00	4277211.00	0.94929	630774.00	4277161.00	0.90404
630774.00	4277111.00	0.85402	630774.00	4277061.00	0.80085
630774.00	4277011.00	0.74793	630774.00	4276961.00	0.69624
630774.00	4276911.00	0.64574	630824.00	4278161.00	0.44709
630824.00	4278111.00	0.46217	630824.00	4278061.00	0.47091
630824.00	4278011.00	0.47364	630824.00	4277961.00	0.46707
630824.00	4277911.00	0.45634	630824.00	4277861.00	0.45267

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         630824.00    4277811.00        0.46465                    630824.00
4277661.00        0.59208
         630824.00    4277611.00        0.65178                    630824.00
4277561.00        0.71134
         630824.00    4277511.00        0.76430                    630824.00
4277461.00        0.80520
         630824.00    4277311.00        0.86096                    630824.00
4277261.00        0.85314
         630824.00    4277211.00        0.83520                    630824.00
4277161.00        0.80925
         630824.00    4277111.00        0.77731                    630824.00
4277061.00        0.74117
         630824.00    4277011.00        0.70247                    630824.00
4276961.00        0.66256
         630824.00    4276911.00        0.62217                    630874.00
4278161.00        0.37998
         630874.00    4278111.00        0.39106                    630874.00
4278061.00        0.39605
         630874.00    4278011.00        0.39603                    630874.00
4277961.00        0.38907
         630874.00    4277911.00        0.37983                    630874.00
4277861.00        0.37622
         630874.00    4277811.00        0.38440                    630874.00
4277711.00        0.43800
         630874.00    4277661.00        0.47817                    630874.00
4277611.00        0.52372
         630874.00    4277561.00        0.57060                    630874.00
4277511.00        0.61778
         630874.00    4277361.00        0.71557                    630874.00
4277311.00        0.72944
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630874.00	4277261.00	0.73382	630874.00	4277211.00	0.72948
630874.00	4277161.00	0.71753	630874.00	4277111.00	0.69939
630874.00	4277061.00	0.67637	630874.00	4277011.00	0.64983
630874.00	4276961.00	0.62066	630874.00	4276911.00	0.59015
630924.00	4278161.00	0.32741	630924.00	4278111.00	0.33541
630924.00	4278061.00	0.33809	630924.00	4278011.00	0.33632
630924.00	4277961.00	0.32946	630924.00	4277911.00	0.32141
630924.00	4277861.00	0.31801	630924.00	4277811.00	0.32370
630924.00	4277761.00	0.33955	630924.00	4277661.00	0.39454
630924.00	4277611.00	0.42944	630924.00	4277561.00	0.46702
630924.00	4277511.00	0.50248	630924.00	4277411.00	0.57416
630924.00	4277361.00	0.59998	630924.00	4277311.00	0.61877
630924.00	4277261.00	0.63031	630924.00	4277211.00	0.63473
630924.00	4277161.00	0.63258	630924.00	4277111.00	0.62458
630924.00	4277061.00	0.61169	630924.00	4277011.00	0.59485
630924.00	4276961.00	0.57499	630924.00	4276911.00	0.55293
630974.00	4278161.00	0.28547	630974.00	4278111.00	0.29102
630974.00	4278061.00	0.29260	630974.00	4278011.00	0.28905
630974.00	4277961.00	0.28293	630974.00	4277911.00	0.27592
630974.00	4277861.00	0.27276	630974.00	4277811.00	0.27677
630974.00	4277761.00	0.28878	630974.00	4277661.00	0.33148
630974.00	4277611.00	0.35835	630974.00	4277561.00	0.38790
630974.00	4277461.00	0.45104	630974.00	4277411.00	0.48067
630974.00	4277361.00	0.50601	630974.00	4277311.00	0.52650
630974.00	4277261.00	0.54192	630974.00	4277211.00	0.55166

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         630974.00    4277161.00        0.55594                    630974.00
4277111.00        0.55521
         630974.00    4277061.00        0.54987                    630974.00
4277011.00        0.54060
         630974.00    4276961.00        0.52810                    630974.00
4276911.00        0.51305
         631024.00    4278161.00        0.25144                    631024.00
4278111.00        0.25519
         631024.00    4278061.00        0.25516                    631024.00
4278011.00        0.25150
         631024.00    4277961.00        0.24543                    631024.00
4277911.00        0.23976
         631024.00    4277861.00        0.23686                    631024.00
4277811.00        0.23972
         631024.00    4277761.00        0.24899                    631024.00
4277711.00        0.26383
         631024.00    4277611.00        0.30465                    631024.00
4277411.00        0.40512
         631024.00    4277361.00        0.42912                    631024.00
4277311.00        0.45007
         631024.00    4277261.00        0.46715                    631024.00
4277211.00        0.47978
         631024.00    4277161.00        0.48816                    631024.00
4277111.00        0.49229
         631024.00    4277061.00        0.49239                    631024.00
4277011.00        0.48888
         631024.00    4276961.00        0.48217                    631024.00
4276911.00        0.47279
         631074.00    4278161.00        0.22320                    631074.00
4278111.00        0.22581
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631074.00	4278061.00	0.22521	631074.00	4278011.00	0.22120
631074.00	4277961.00	0.21584	631074.00	4277911.00	0.21049
631074.00	4277861.00	0.20792	631074.00	4277811.00	0.20995
631074.00	4277761.00	0.21700	631074.00	4277711.00	0.22909
631074.00	4277461.00	0.32426	631074.00	4277311.00	0.38692
631074.00	4277261.00	0.40424	631074.00	4277211.00	0.41815
631074.00	4277161.00	0.42885	631074.00	4277111.00	0.43610
631074.00	4277061.00	0.43988	631074.00	4277011.00	0.44066
631074.00	4276961.00	0.43826	631074.00	4276911.00	0.43330
631124.00	4278161.00	0.19993	631124.00	4278111.00	0.20144
631124.00	4278061.00	0.20023	631124.00	4278011.00	0.19660
631124.00	4277961.00	0.19149	631124.00	4277911.00	0.18672
631124.00	4277861.00	0.18429	631124.00	4277811.00	0.18572
631124.00	4277761.00	0.19146	631124.00	4277711.00	0.20110
631124.00	4277461.00	0.27916	631124.00	4277411.00	0.29785
631124.00	4277261.00	0.35148	631124.00	4277211.00	0.36558
631124.00	4277161.00	0.37737	631124.00	4277111.00	0.38647
631124.00	4277061.00	0.39284	631124.00	4277011.00	0.39647
631124.00	4276961.00	0.39752	631124.00	4276911.00	0.39616
631174.00	4278161.00	0.18036	631174.00	4278111.00	0.18099
631174.00	4278061.00	0.17938	631174.00	4278011.00	0.17550
631174.00	4277961.00	0.17104	631174.00	4277911.00	0.16680
631174.00	4277861.00	0.16472	631174.00	4277811.00	0.16534
631174.00	4277761.00	0.17010	631174.00	4277561.00	0.21384
631174.00	4277511.00	0.22820	631174.00	4277461.00	0.24357

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         631174.00    4277311.00        0.29199                    631174.00
4277261.00        0.30725
         631174.00    4277161.00        0.33294                    631174.00
4277111.00        0.34296
         631174.00    4277061.00        0.35081                    631174.00
4277011.00        0.35645
         631174.00    4276961.00        0.35986                    631174.00
4276911.00        0.36111
         631224.00    4278161.00        0.16343                    631224.00
4278111.00        0.16344
         631224.00    4278061.00        0.16181                    631224.00
4278011.00        0.15836
         631224.00    4277961.00        0.15413                    631224.00
4277911.00        0.15014
         631224.00    4277861.00        0.14823                    631224.00
4277811.00        0.14865
         631224.00    4277761.00        0.15264                    631224.00
4277561.00        0.18926
         631224.00    4277461.00        0.21479                    631224.00
4277361.00        0.24210
         631224.00    4277311.00        0.25629                    631224.00
4277261.00        0.27017
         631224.00    4277211.00        0.28304                    631224.00
4277161.00        0.29473
         631224.00    4277111.00        0.30500                    631224.00
4277061.00        0.31363
         631224.00    4277011.00        0.32048                    631224.00
4276961.00        0.32551
         631224.00    4276911.00        0.32869                    631274.00
4277611.00        0.15927
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631274.00	4277561.00	0.16899	631274.00	4277511.00	0.17953
631274.00	4277461.00	0.19089	631274.00	4277361.00	0.21426
631274.00	4277311.00	0.22666	631274.00	4277261.00	0.23900
631274.00	4277211.00	0.25085	631274.00	4277161.00	0.26194
631274.00	4277111.00	0.27201	631274.00	4277061.00	0.28091
631274.00	4277011.00	0.28842	631274.00	4276961.00	0.29445
631274.00	4276911.00	0.29896	630524.00	4277611.00	3.86874
630524.00	4277561.00	3.59418	630524.00	4277511.00	3.21329
630524.00	4277461.00	2.80943	630524.00	4277411.00	2.40751
630524.00	4277261.00	1.48013	630524.00	4276961.00	0.62829
630524.00	4276911.00	0.55711	630474.00	4277611.00	5.30213
630474.00	4277561.00	4.52721	630474.00	4277511.00	3.76127
630474.00	4277461.00	3.08489	630474.00	4277411.00	2.50280
630474.00	4277061.00	0.74126	630474.00	4276961.00	0.57380
630474.00	4276911.00	0.50911	630424.00	4277611.00	6.69626
630424.00	4277561.00	5.16466	630424.00	4277511.00	3.96848
630424.00	4277461.00	3.06721	630424.00	4277411.00	2.38617
630424.00	4277211.00	1.06329	630424.00	4277061.00	0.66624
630424.00	4276961.00	0.51769	630424.00	4276911.00	0.46107
630374.00	4277611.00	7.14867	630374.00	4277561.00	5.04410
630374.00	4277511.00	3.66200	630374.00	4277461.00	2.72476
630374.00	4276961.00	0.46531	630374.00	4276911.00	0.41685
630324.00	4277611.00	6.09476	630324.00	4277561.00	4.14969
630324.00	4277511.00	2.97472	630324.00	4277361.00	1.39149
630324.00	4277311.00	1.13598	630324.00	4277261.00	0.94649

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         630324.00    4277211.00        0.80239                    630324.00
4277161.00        0.68781
         630324.00    4277111.00        0.59590                    630324.00
4276961.00        0.41954
         630324.00    4276911.00        0.37841                    630274.00
4277611.00        4.43066
         630274.00    4277461.00        1.78823                    630274.00
4277411.00        1.41791
         630274.00    4277361.00        1.15551                    630274.00
4277311.00        0.96036
         630274.00    4277261.00        0.81227                    630274.00
4277211.00        0.69793
         630274.00    4277161.00        0.60593                    630274.00
4277111.00        0.53134
         630274.00    4276961.00        0.38161                    630274.00
4276911.00        0.34633
         630224.00    4277511.00        1.81665                    630224.00
4277461.00        1.44385
         630224.00    4277411.00        1.17581                    630224.00
4277361.00        0.97714
         630224.00    4277311.00        0.82606                    630224.00
4277261.00        0.70861
         630224.00    4277211.00        0.61552                    630224.00
4277161.00        0.53926
         630224.00    4277111.00        0.47860                    630224.00
4277061.00        0.42713
         630224.00    4276911.00        0.31978                    630174.00
4277561.00        1.84323
         630174.00    4277511.00        1.46613                    630174.00
4277461.00        1.19465
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630174.00	4277411.00	0.99319	630174.00	4277361.00	0.83973
630174.00	4277311.00	0.72029	630174.00	4277261.00	0.62557
630174.00	4277211.00	0.54921	630174.00	4277161.00	0.48642
630174.00	4277111.00	0.43469	630174.00	4277061.00	0.39174
630174.00	4277011.00	0.35395	630174.00	4276911.00	0.29734
630124.00	4277611.00	1.87493	630124.00	4277561.00	1.49183
630124.00	4277511.00	1.21459	630124.00	4277461.00	1.00936
630124.00	4277411.00	0.85288	630124.00	4277361.00	0.73120
630124.00	4277311.00	0.63480	630124.00	4277261.00	0.55714
630124.00	4277211.00	0.49371	630124.00	4277161.00	0.44121
630124.00	4277111.00	0.39728	630124.00	4277061.00	0.36013
630124.00	4277011.00	0.32808	630074.00	4277611.00	1.51872
630074.00	4277561.00	1.24204	630074.00	4277511.00	1.03235
630074.00	4277461.00	0.87084	630074.00	4277411.00	0.74506
630074.00	4277361.00	0.64522	630074.00	4277311.00	0.56571
630074.00	4277261.00	0.50054	630074.00	4277211.00	0.44673
630074.00	4277161.00	0.40185	630074.00	4277111.00	0.36405
630074.00	4277061.00	0.33183	630074.00	4277011.00	0.30403
630024.00	4277611.00	1.24082	630024.00	4277561.00	1.04609
630024.00	4277511.00	0.89052	630024.00	4277461.00	0.76303
630024.00	4277411.00	0.66164	630024.00	4277361.00	0.57945
630024.00	4277311.00	0.51107	630024.00	4277261.00	0.45522
630024.00	4277211.00	0.40782	630024.00	4277161.00	0.36855
630024.00	4277111.00	0.33529	630024.00	4277061.00	0.30687
630024.00	4277011.00	0.28264	630024.00	4276961.00	0.26138

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         629974.00    4277611.00        1.01467                    629974.00
4277561.00         0.88609
         629974.00    4277511.00        0.77143                    629974.00
4277461.00         0.67387
         629974.00    4277411.00        0.59340                    629974.00
4277361.00         0.52528
         629974.00    4277311.00        0.46781                    629974.00
4277261.00         0.41910
         629974.00    4277211.00        0.37774                    629974.00
4277161.00         0.34254
         629974.00    4277111.00        0.31224                    629974.00
4277061.00         0.28652
         629974.00    4277011.00        0.26442                    629974.00
4276961.00         0.24501
         629974.00    4276911.00        0.22799                    629924.00
4277611.00         0.82877
         629924.00    4277561.00        0.74931                    629924.00
4277511.00         0.66860
         629924.00    4277461.00        0.59534                    629924.00
4277411.00         0.53174
         629924.00    4277361.00        0.47697                    629924.00
4277311.00         0.42953
         629924.00    4277261.00        0.38828                    629924.00
4277211.00         0.35235
         629924.00    4277161.00        0.32105                    629924.00
4277111.00         0.29383
         629924.00    4277061.00        0.26998                    629924.00
4277011.00         0.24954
         629924.00    4276961.00        0.23096                    629924.00
4276911.00         0.21567
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629874.00	4277611.00	0.67803	629874.00	4277561.00	0.63352
629874.00	4277511.00	0.57984	629874.00	4277461.00	0.52568
629874.00	4277411.00	0.47608	629874.00	4277361.00	0.43214
629874.00	4277311.00	0.39373	629874.00	4277261.00	0.35963
629874.00	4277211.00	0.32926	629874.00	4277161.00	0.30215
629874.00	4277111.00	0.27794	629874.00	4277061.00	0.25643
629874.00	4277011.00	0.23747	629874.00	4276961.00	0.22066
629874.00	4276911.00	0.20540	629824.00	4277611.00	0.55566
629824.00	4277561.00	0.53450	629824.00	4277511.00	0.50205
629824.00	4277461.00	0.46344	629824.00	4277411.00	0.42557
629824.00	4277361.00	0.39000	629824.00	4277311.00	0.35921
629824.00	4277261.00	0.33111	629824.00	4277211.00	0.30639
629824.00	4277161.00	0.28338	629824.00	4277111.00	0.26264
629824.00	4277061.00	0.24325	629824.00	4277011.00	0.22683
629824.00	4276961.00	0.21157	629824.00	4276911.00	0.19761
629774.00	4277611.00	0.46097	629774.00	4277561.00	0.45289
629774.00	4277511.00	0.43561	629774.00	4277461.00	0.41010
629774.00	4277411.00	0.38187	629774.00	4277361.00	0.35391
629774.00	4277311.00	0.32817	629774.00	4277261.00	0.30529
629774.00	4277211.00	0.28429	629774.00	4277161.00	0.26549
629774.00	4277111.00	0.24825	629774.00	4277061.00	0.23120
629774.00	4277011.00	0.21614	629774.00	4276961.00	0.20240
629774.00	4276911.00	0.19040	629724.00	4277611.00	0.38727
629724.00	4277561.00	0.38609	629724.00	4277511.00	0.37858
629724.00	4277461.00	0.36372	629724.00	4277411.00	0.34443

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         629724.00    4277361.00        0.32273                    629724.00
4277311.00         0.30156
         629724.00    4277261.00        0.28190                    629724.00
4277211.00         0.26414
         629724.00    4277161.00        0.24808                    629724.00
4277111.00         0.23336
         629724.00    4277061.00        0.21971                    629724.00
4277011.00         0.20618
         629724.00    4276961.00        0.19379                    629724.00
4276911.00         0.18294
         629674.00    4277611.00        0.32854                    629674.00
4277561.00         0.33000
         629674.00    4277511.00        0.32860                    629674.00
4277461.00         0.32132
         629674.00    4277411.00        0.30914                    629674.00
4277361.00         0.29341
         629674.00    4277311.00        0.27651                    629674.00
4277261.00         0.26036
         629674.00    4277211.00        0.24471                    629674.00
4277161.00         0.23098
         629674.00    4277111.00        0.21869                    629674.00
4277061.00         0.20706
         629674.00    4277011.00        0.19591                    629674.00
4276961.00         0.18507
         629674.00    4276911.00        0.17530                    629624.00
4277611.00         0.28343
         629624.00    4277561.00        0.28532                    629624.00
4277511.00         0.28641
         629624.00    4277461.00        0.28430                    629624.00
4277411.00         0.27812
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629624.00	4277361.00	0.26774	629624.00	4277311.00	0.25494
629624.00	4277261.00	0.24144	629624.00	4277211.00	0.22801
629624.00	4277161.00	0.21573	629624.00	4277111.00	0.20489
629624.00	4277061.00	0.19480	629624.00	4277011.00	0.18534
629624.00	4276961.00	0.17613	629624.00	4276911.00	0.16760
629574.00	4277611.00	0.24709	629574.00	4277561.00	0.24889
629574.00	4277511.00	0.25146	629574.00	4277461.00	0.25211
629574.00	4277411.00	0.24942	629574.00	4277361.00	0.24301
629574.00	4277311.00	0.23420	629574.00	4277261.00	0.22376
629574.00	4277211.00	0.21252	629574.00	4277161.00	0.20199
629574.00	4277111.00	0.19232	629574.00	4277061.00	0.18327
629574.00	4277011.00	0.17497	629574.00	4276961.00	0.16701
629574.00	4276911.00	0.15958	629524.00	4277611.00	0.21884
629524.00	4277561.00	0.21907	629524.00	4277511.00	0.22170
629524.00	4277461.00	0.22349	629524.00	4277411.00	0.22353
629524.00	4277361.00	0.22086	629524.00	4277311.00	0.21531
629524.00	4277261.00	0.20775	629524.00	4277211.00	0.19888
629524.00	4277161.00	0.18988	629524.00	4277111.00	0.18112
629524.00	4277061.00	0.17289	629524.00	4277011.00	0.16538
629524.00	4276961.00	0.15838	629524.00	4276911.00	0.15167
629474.00	4277611.00	0.19572	629474.00	4277561.00	0.19514
629474.00	4277511.00	0.19688	629474.00	4277461.00	0.19961
629474.00	4277411.00	0.20096	629474.00	4277361.00	0.20053
629474.00	4277311.00	0.19753	629474.00	4277261.00	0.19254
629474.00	4277211.00	0.18596	629474.00	4277161.00	0.17857

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         629474.00    4277111.00        0.17097                    629474.00
4277061.00        0.16350
         629474.00    4277011.00        0.15664                    629474.00
4276961.00        0.15025
         629474.00    4276911.00        0.14441                    629424.00
4277611.00        0.17642
         629424.00    4277561.00        0.17552                    629424.00
4277511.00        0.17664
         629424.00    4277461.00        0.17892                    629424.00
4277411.00        0.18109
         629424.00    4277361.00        0.18210                    629424.00
4277311.00        0.18113
         629424.00    4277261.00        0.17832                    629424.00
4277211.00        0.17368
         629424.00    4277161.00        0.16790                    629424.00
4277111.00        0.16152
         629424.00    4277061.00        0.15497                    629424.00
4277011.00        0.14860
         629424.00    4276961.00        0.14292                    629424.00
4276911.00        0.13755
         629374.00    4277611.00        0.16065                    629374.00
4277561.00        0.15886
         629374.00    4277511.00        0.15943                    629374.00
4277461.00        0.16133
         629374.00    4277411.00        0.16383                    629374.00
4277361.00        0.16570
         629374.00    4277311.00        0.16599                    629374.00
4277261.00        0.16493
         629374.00    4277211.00        0.16203                    629374.00
4277161.00        0.15787
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629374.00	4277111.00	0.15271	629374.00	4277061.00	0.14713
629374.00	4277011.00	0.14159	629374.00	4276961.00	0.13623
629374.00	4276911.00	0.13114	629324.00	4277611.00	0.14720
629324.00	4277561.00	0.14494	629324.00	4277511.00	0.14485
629324.00	4277461.00	0.14640	629324.00	4277411.00	0.14874
629324.00	4277361.00	0.15095	629324.00	4277311.00	0.15223
629324.00	4277261.00	0.15234	629324.00	4277211.00	0.15098
629324.00	4277161.00	0.14830	629324.00	4277111.00	0.14447
629324.00	4277061.00	0.13987	629324.00	4277011.00	0.13502
629324.00	4276961.00	0.13020	629324.00	4276911.00	0.12545
629274.00	4277611.00	0.13593	629274.00	4277561.00	0.13347
629274.00	4277511.00	0.13282	629274.00	4277461.00	0.13377
629274.00	4277411.00	0.13575	629274.00	4277361.00	0.13803
629274.00	4277311.00	0.13983	629274.00	4277261.00	0.14085
629274.00	4277211.00	0.14066	629274.00	4277161.00	0.13915
629274.00	4277111.00	0.13653	629274.00	4277061.00	0.13296
629274.00	4277011.00	0.12884	629274.00	4276961.00	0.12469
629274.00	4276911.00	0.12030	629974.00	4277661.00	1.14054
629974.00	4277711.00	1.23536	629974.00	4277811.00	1.32347
629974.00	4277861.00	1.35316	629974.00	4277911.00	1.30977
629974.00	4277961.00	1.24732	629974.00	4278011.00	1.23722
629974.00	4278061.00	1.28849	629974.00	4278111.00	1.36405
629974.00	4278161.00	1.43170	629974.00	4278211.00	1.47441
629974.00	4278261.00	1.49017	629974.00	4278311.00	1.46316
629974.00	4278361.00	1.40575	629974.00	4278411.00	1.32810

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         629974.00    4278461.00        1.23938                    629974.00
4278511.00         1.14789
         629974.00    4278561.00        1.05737                    629974.00
4278611.00         0.97073
         629974.00    4278711.00        0.81861                    629974.00
4278761.00         0.75381
         629974.00    4278811.00        0.69434                    629974.00
4278861.00         0.64097
         629974.00    4278911.00        0.59266                    629924.00
4277661.00         0.89223
         629924.00    4277711.00        0.93052                    629924.00
4277761.00         0.95484
         629924.00    4277861.00        0.99192                    629924.00
4277911.00         0.95732
         629924.00    4277961.00        0.90308                    629924.00
4278011.00         0.88231
         629924.00    4278061.00        0.90376                    629924.00
4278111.00         0.94708
         629924.00    4278161.00        0.99482                    629924.00
4278211.00         1.03679
         629924.00    4278261.00        1.06664                    629924.00
4278311.00         1.07892
         629924.00    4278361.00        1.07074                    629924.00
4278411.00         1.04406
         629924.00    4278461.00        1.00388                    629924.00
4278511.00         0.95420
         629924.00    4278561.00        0.89924                    629924.00
4278611.00         0.84227
         629924.00    4278711.00        0.73208                    629924.00
4278761.00         0.68139
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629924.00	4278811.00	0.63404	629924.00	4278861.00	0.59044
629924.00	4278911.00	0.55067	629874.00	4277661.00	0.70584
629874.00	4277711.00	0.71978	629874.00	4277761.00	0.73338
629874.00	4277811.00	0.75141	629874.00	4277961.00	0.68797
629874.00	4278011.00	0.66503	629874.00	4278061.00	0.67218
629874.00	4278111.00	0.69659	629874.00	4278161.00	0.72960
629874.00	4278211.00	0.76003	629874.00	4278261.00	0.78606
629874.00	4278311.00	0.80575	629874.00	4278361.00	0.81674
629874.00	4278411.00	0.81541	629874.00	4278461.00	0.80476
629874.00	4278511.00	0.78349	629874.00	4278561.00	0.75478
629874.00	4278611.00	0.71994	629874.00	4278711.00	0.64671
629874.00	4278761.00	0.60998	629874.00	4278811.00	0.57427
629874.00	4278861.00	0.53971	629874.00	4278911.00	0.50750
629824.00	4277661.00	0.56483	629824.00	4277711.00	0.57018
629824.00	4277761.00	0.58421	629824.00	4277811.00	0.59929
629824.00	4277861.00	0.60029	629824.00	4277911.00	0.57826
629824.00	4278061.00	0.52109	629824.00	4278111.00	0.53634
629824.00	4278161.00	0.55800	629824.00	4278211.00	0.58026
629824.00	4278261.00	0.60054	629824.00	4278311.00	0.61932
629824.00	4278361.00	0.63434	629824.00	4278411.00	0.64225
629824.00	4278461.00	0.64405	629824.00	4278511.00	0.63872
629824.00	4278561.00	0.62721	629824.00	4278611.00	0.61003
629824.00	4278711.00	0.56657	629824.00	4278761.00	0.54147
629824.00	4278811.00	0.51562	629824.00	4278861.00	0.48970
629824.00	4278911.00	0.46437	629774.00	4277661.00	0.46352

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         629774.00    4277711.00        0.46689                    629774.00
4277761.00        0.47917
         629774.00    4277811.00        0.49173                    629774.00
4277861.00        0.49012
         629774.00    4277911.00        0.47070                    629774.00
4277961.00        0.44204
         629774.00    4278011.00        0.42209                    629774.00
4278861.00        0.44039
         629774.00    4278911.00        0.42164                    629724.00
4277661.00        0.38753
         629724.00    4277711.00        0.39194                    629724.00
4277761.00        0.40257
         629724.00    4277811.00        0.41209                    629724.00
4277861.00        0.40944
         629724.00    4277911.00        0.39172                    629724.00
4277961.00        0.36796
         629724.00    4278011.00        0.34999                    629724.00
4278061.00        0.34387
         629724.00    4278111.00        0.34866                    629724.00
4278161.00        0.35976
         629724.00    4278211.00        0.37254                    629724.00
4278261.00        0.38484
         629724.00    4278311.00        0.39619                    629724.00
4278361.00        0.40663
         629724.00    4278411.00        0.41617                    629724.00
4278461.00        0.42421
         629724.00    4278511.00        0.43003                    629724.00
4278561.00        0.43307
         629724.00    4278611.00        0.43308                    629724.00
4278711.00        0.42409
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629724.00	4278761.00	0.41575	629724.00	4278811.00	0.40542
629674.00	4277661.00	0.32900	629674.00	4277711.00	0.33387
629674.00	4277761.00	0.34340	629674.00	4277811.00	0.35089
629674.00	4277861.00	0.34825	629674.00	4277911.00	0.33316
629674.00	4277961.00	0.31290	629674.00	4278011.00	0.29722
629674.00	4278061.00	0.28986	629674.00	4278111.00	0.29133
629674.00	4278161.00	0.29894	629674.00	4278211.00	0.30915
629674.00	4278261.00	0.31917	629674.00	4278311.00	0.32834
629674.00	4278361.00	0.33673	629674.00	4278411.00	0.34410
629674.00	4278461.00	0.35078	629674.00	4278511.00	0.35740
629674.00	4278561.00	0.36225	629674.00	4278611.00	0.36546
629674.00	4278711.00	0.36437	629674.00	4278761.00	0.36116
629674.00	4278811.00	0.35585	629674.00	4278861.00	0.34925
629674.00	4278911.00	0.34127	629624.00	4277661.00	0.28430
629624.00	4277711.00	0.28994	629624.00	4277761.00	0.29898
629624.00	4277811.00	0.30432	629624.00	4277861.00	0.30009
629624.00	4277911.00	0.28712	629624.00	4277961.00	0.27078
629624.00	4278011.00	0.25658	629624.00	4278061.00	0.24879
629624.00	4278111.00	0.24820	629624.00	4278161.00	0.25328
629624.00	4278211.00	0.26114	629624.00	4278261.00	0.26960
629624.00	4278311.00	0.27731	629624.00	4278361.00	0.28421
629624.00	4278411.00	0.29052	629624.00	4278461.00	0.29600
629624.00	4278511.00	0.30161	629624.00	4278561.00	0.30656
629624.00	4278611.00	0.31042	629624.00	4278711.00	0.31425
629624.00	4278761.00	0.31361	629624.00	4278811.00	0.31191

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         629624.00    4278861.00        0.30914                    629624.00
4278911.00         0.30452
         629574.00    4277661.00        0.24911                    629574.00
4277711.00         0.25576
         629574.00    4277761.00        0.26317                    629574.00
4277811.00         0.26690
         629574.00    4277861.00        0.26246                    629574.00
4277911.00         0.25089
         629574.00    4277961.00        0.23653                    629574.00
4278011.00         0.22458
         629574.00    4278061.00        0.21689                    629574.00
4278111.00         0.21502
         629574.00    4278161.00        0.21811                    629574.00
4278211.00         0.22393
         629574.00    4278261.00        0.23104                    629574.00
4278311.00         0.23787
         629574.00    4278361.00        0.24364                    629574.00
4278411.00         0.24868
         629574.00    4278461.00        0.25343                    629574.00
4278511.00         0.25780
         629574.00    4278561.00        0.26235                    629574.00
4278611.00         0.26639
         629574.00    4278711.00        0.27177                    629574.00
4278761.00         0.27312
         629574.00    4278811.00        0.27351                    629574.00
4278861.00         0.27273
         629574.00    4278911.00        0.27100                    629524.00
4277661.00         0.22180
         629524.00    4277711.00        0.22777                    629524.00
4277761.00         0.23387
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629524.00	4277811.00	0.23607	629524.00	4277861.00	0.23196
629524.00	4277911.00	0.22231	629524.00	4277961.00	0.20971
629524.00	4278011.00	0.19874	629524.00	4278061.00	0.19160
629524.00	4278111.00	0.18868	629524.00	4278161.00	0.19005
629524.00	4278211.00	0.19476	629524.00	4278261.00	0.20060
629524.00	4278311.00	0.20650	629524.00	4278361.00	0.21161
629524.00	4278411.00	0.21614	629524.00	4278461.00	0.22017
629524.00	4278511.00	0.22414	629524.00	4278561.00	0.22748
629524.00	4278661.00	0.23412	629524.00	4278711.00	0.23657
629524.00	4278761.00	0.23867	629524.00	4278811.00	0.24025
629524.00	4278861.00	0.24090	629524.00	4278911.00	0.24100
629474.00	4277661.00	0.19923	629474.00	4277711.00	0.20452
629474.00	4277761.00	0.20998	629474.00	4277811.00	0.21156
629474.00	4277861.00	0.20741	629474.00	4277911.00	0.19888
629474.00	4277961.00	0.18820	629474.00	4278011.00	0.17804
629474.00	4278061.00	0.17098	629474.00	4278111.00	0.16758
629474.00	4278161.00	0.16801	629474.00	4278211.00	0.17135
629474.00	4278261.00	0.17599	629474.00	4278311.00	0.18060
629474.00	4278361.00	0.18547	629474.00	4278411.00	0.19006
629474.00	4278461.00	0.19364	629474.00	4278511.00	0.19686
629474.00	4278561.00	0.19972	629474.00	4278661.00	0.20529
629474.00	4278711.00	0.20774	629474.00	4278761.00	0.21016
629474.00	4278811.00	0.21188	629474.00	4278861.00	0.21338
629474.00	4278911.00	0.21444	629424.00	4277661.00	0.18006
629424.00	4277711.00	0.18481	629424.00	4277761.00	0.18950

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         629424.00    4277811.00        0.19058                    629424.00
4277861.00         0.18657
         629424.00    4277911.00        0.17909                    629424.00
4277961.00         0.16985
         629424.00    4278011.00        0.16068                    629424.00
4278061.00         0.15396
         629424.00    4278111.00        0.15051                    629424.00
4278161.00         0.15033
         629424.00    4278211.00        0.15251                    629424.00
4278261.00         0.15581
         629424.00    4278311.00        0.16016                    629424.00
4278361.00         0.16444
         629424.00    4278411.00        0.16824                    629424.00
4278461.00         0.17170
         629424.00    4278511.00        0.17480                    629424.00
4278611.00         0.17960
         629424.00    4278661.00        0.18155                    629424.00
4278711.00         0.18387
         629424.00    4278761.00        0.18623                    629424.00
4278811.00         0.18832
         629424.00    4278861.00        0.19001                    629424.00
4278911.00         0.19112
         629374.00    4277661.00        0.16446                    629374.00
4277711.00         0.16924
         629374.00    4277761.00        0.17262                    629374.00
4277811.00         0.17325
         629374.00    4277861.00        0.16962                    629374.00
4277911.00         0.16253
         629374.00    4277961.00        0.15423                    629374.00
4278011.00         0.14612
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629374.00	4278061.00	0.13992	629374.00	4278111.00	0.13645
629374.00	4278161.00	0.13556	629374.00	4278211.00	0.13678
629374.00	4278261.00	0.13956	629374.00	4278311.00	0.14329
629374.00	4278361.00	0.14698	629374.00	4278411.00	0.15046
629374.00	4278461.00	0.15362	629374.00	4278611.00	0.16080
629374.00	4278661.00	0.16265	629374.00	4278711.00	0.16474
629374.00	4278761.00	0.16659	629374.00	4278811.00	0.16833
629374.00	4278861.00	0.17002	629374.00	4278911.00	0.17141
629324.00	4277661.00	0.15103	629324.00	4277711.00	0.15525
629324.00	4277761.00	0.15806	629324.00	4277811.00	0.15805
629324.00	4277861.00	0.15459	629324.00	4277911.00	0.14809
629324.00	4277961.00	0.14064	629324.00	4278011.00	0.13354
629324.00	4278061.00	0.12792	629324.00	4278111.00	0.12434
629324.00	4278161.00	0.12313	629324.00	4278211.00	0.12388
629324.00	4278261.00	0.12611	629324.00	4278311.00	0.12918
629324.00	4278361.00	0.13250	629324.00	4278411.00	0.13575
629324.00	4278561.00	0.14347	629324.00	4278611.00	0.14539
629324.00	4278661.00	0.14698	629324.00	4278711.00	0.14863
629324.00	4278761.00	0.15016	629324.00	4278811.00	0.15155
629324.00	4278861.00	0.15305	629324.00	4278911.00	0.15443
629274.00	4277661.00	0.13960	629274.00	4277711.00	0.14338
629274.00	4277761.00	0.14565	629274.00	4277811.00	0.14521
629274.00	4277861.00	0.14187	629274.00	4277911.00	0.13611
629274.00	4277961.00	0.12925	629274.00	4278011.00	0.12262
629274.00	4278061.00	0.11736	629274.00	4278111.00	0.11406

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         629274.00    4278161.00        0.11267                    629274.00
4278211.00        0.11299
         629274.00    4278261.00        0.11476                    629274.00
4278311.00        0.11732
         629274.00    4278361.00        0.12037                    629274.00
4278511.00        0.12844
         629274.00    4278561.00        0.13055                    629274.00
4278611.00        0.13225
         629274.00    4278661.00        0.13374                    629274.00
4278711.00        0.13514
         629274.00    4278761.00        0.13630                    629274.00
4278811.00        0.13751
         629274.00    4278861.00        0.13873                    629274.00
4278911.00        0.13993
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630024.00	4277661.00	1.46528	630024.00	4277681.00	1.55629
630024.00	4277761.00	1.82235	630024.00	4277781.00	1.86422
630024.00	4277801.00	1.90571	630024.00	4277821.00	1.94204
630024.00	4277841.00	1.97016	630024.00	4277861.00	1.98360
630024.00	4277881.00	1.97352	630024.00	4277901.00	1.93933
630024.00	4277921.00	1.90308	630024.00	4277941.00	1.86808
630024.00	4277961.00	1.84572	630024.00	4277981.00	1.83793
630024.00	4278001.00	1.85117	630024.00	4278021.00	1.88279
630024.00	4278041.00	1.93179	630024.00	4278061.00	1.98425
630024.00	4278081.00	2.03811	630024.00	4278101.00	2.08882
630024.00	4278121.00	2.13271	630024.00	4278141.00	2.16458
630024.00	4278161.00	2.18322	630044.00	4277661.00	1.61976
630044.00	4277681.00	1.73806	630044.00	4277741.00	2.05154
630044.00	4277761.00	2.12902	630044.00	4277781.00	2.19191
630044.00	4277801.00	2.25570	630044.00	4277821.00	2.30980
630044.00	4277841.00	2.35146	630044.00	4277861.00	2.36822
630044.00	4277881.00	2.35364	630044.00	4277901.00	2.30807
630044.00	4277921.00	2.26755	630044.00	4277941.00	2.23084
630044.00	4277961.00	2.21289	630044.00	4277981.00	2.21233
630044.00	4278001.00	2.23808	630044.00	4278021.00	2.28614
630044.00	4278041.00	2.35515	630044.00	4278061.00	2.42676
630044.00	4278081.00	2.49356	630044.00	4278101.00	2.55141
630044.00	4278121.00	2.59542	630044.00	4278141.00	2.62236
630044.00	4278161.00	2.62849	630064.00	4277661.00	1.78987
630064.00	4277741.00	2.38659	630064.00	4277761.00	2.50730

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         630064.00    4277781.00        2.60593                    630064.00
4277801.00        2.70726
         630064.00    4277821.00        2.78841                    630064.00
4277841.00        2.84623
         630064.00    4277861.00        2.86869                    630064.00
4277881.00        2.85233
         630064.00    4277901.00        2.79788                    630064.00
4277921.00        2.75091
         630064.00    4277941.00        2.71268                    630064.00
4277961.00        2.70316
         630064.00    4277981.00        2.71862                    630064.00
4278001.00        2.76645
         630064.00    4278021.00        2.83813                    630064.00
4278041.00        2.92713
         630064.00    4278061.00        3.01832                    630064.00
4278081.00        3.09654
         630064.00    4278101.00        3.15601                    630064.00
4278121.00        3.19121
         630064.00    4278141.00        3.20101                    630064.00
4278161.00        3.17902
         630084.00    4277741.00        2.78401                    630084.00
4277761.00        2.97290
         630084.00    4277781.00        3.13703                    630084.00
4277801.00        3.29461
         630084.00    4277821.00        3.41786                    630084.00
4277841.00        3.50307
         630084.00    4277861.00        3.54260                    630084.00
4277881.00        3.53038
         630084.00    4277901.00        3.46728                    630084.00
4277921.00        3.41323
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630084.00	4277941.00	3.37433	630084.00	4277961.00	3.38029
630084.00	4277981.00	3.42667	630084.00	4278001.00	3.51186
630084.00	4278021.00	3.62694	630084.00	4278041.00	3.74359
630084.00	4278061.00	3.84435	630084.00	4278081.00	3.92141
630084.00	4278101.00	3.96556	630084.00	4278121.00	3.96970
630084.00	4278141.00	3.93073	630084.00	4278161.00	3.85238
630104.00	4277701.00	2.67629	630104.00	4277721.00	2.95695
630104.00	4277761.00	3.53928	630104.00	4277781.00	3.81867
630104.00	4277801.00	4.06445	630104.00	4277821.00	4.26331
630104.00	4277841.00	4.40703	630104.00	4277861.00	4.48435
630104.00	4277881.00	4.48631	630104.00	4277901.00	4.41768
630104.00	4277921.00	4.35387	630104.00	4277941.00	4.31768
630104.00	4277961.00	4.35427	630104.00	4277981.00	4.44811
630104.00	4278001.00	4.59155	630104.00	4278021.00	4.76024
630104.00	4278041.00	4.91478	630104.00	4278061.00	5.02443
630104.00	4278081.00	5.06742	630104.00	4278101.00	5.05300
630104.00	4278121.00	4.97159	630104.00	4278141.00	4.83799
630104.00	4278161.00	4.66495	630124.00	4277701.00	3.02031
630124.00	4277721.00	3.38307	630124.00	4277741.00	3.78427
630124.00	4277761.00	4.22205	630124.00	4277821.00	5.43794
630124.00	4277841.00	5.69891	630124.00	4277861.00	5.85192
630124.00	4277881.00	5.89193	630124.00	4277901.00	5.83786
630124.00	4277921.00	5.75875	630124.00	4277941.00	5.72950
630124.00	4277961.00	5.82674	630124.00	4277981.00	6.00480
630124.00	4278001.00	6.23670	630124.00	4278021.00	6.46365

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         630124.00    4278041.00        6.62290                    630124.00
4278061.00        6.67777
         630124.00    4278081.00        6.62049                    630124.00
4278101.00        6.46377
         630124.00    4278121.00        6.22936                    630124.00
4278141.00        5.94136
         630124.00    4278161.00        5.62203                    630144.00
4277681.00        3.02366
         630144.00    4277701.00        3.41731                    630144.00
4277721.00        3.87813
         630144.00    4277741.00        4.42954                    630144.00
4277761.00        5.06514
         630144.00    4277781.00        5.76521                    630144.00
4277841.00        7.61143
         630144.00    4277861.00        7.92111                    630144.00
4277881.00        8.04255
         630144.00    4277901.00        8.02968                    630144.00
4277921.00        7.93418
         630144.00    4277941.00        7.93845                    630144.00
4277961.00        8.18624
         630144.00    4277981.00        8.52080                    630144.00
4278001.00        8.86110
         630144.00    4278021.00        9.09870                    630144.00
4278041.00        9.15209
         630144.00    4278061.00        9.00731                    630144.00
4278081.00        8.69550
         630144.00    4278101.00        8.26688                    630144.00
4278121.00        7.76953
         630144.00    4278141.00        7.24233                    630144.00
4278161.00        6.71392
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630164.00	4277661.00	3.00582	630164.00	4277681.00	3.40894
630164.00	4277701.00	3.88985	630164.00	4277721.00	4.47237
630164.00	4277741.00	5.20888	630164.00	4277761.00	6.10402
630164.00	4277781.00	7.16424	630164.00	4277801.00	8.31379
630164.00	4277861.00	11.26648	630164.00	4277881.00	11.60923
630164.00	4277901.00	11.66190	630164.00	4277921.00	11.60315
630164.00	4277941.00	11.75063	630164.00	4277961.00	12.29561
630164.00	4277981.00	12.85965	630164.00	4278001.00	13.22272
630164.00	4278021.00	13.23648	630164.00	4278041.00	12.87278
630164.00	4278061.00	12.21566	630164.00	4278081.00	11.38914
630164.00	4278101.00	10.48596	630164.00	4278121.00	9.57949
630164.00	4278141.00	8.71303	630164.00	4278161.00	7.90833
630184.00	4277661.00	3.39934	630184.00	4277681.00	3.88377
630184.00	4277701.00	4.47648	630184.00	4277721.00	5.21384
630184.00	4277741.00	6.18019	630184.00	4277761.00	7.40958
630184.00	4277781.00	8.96727	630184.00	4277801.00	10.83745
630184.00	4277861.00	17.00802	630184.00	4277881.00	18.02569
630184.00	4277901.00	18.34149	630184.00	4277921.00	18.53255
630184.00	4277941.00	19.10071	630184.00	4277961.00	20.15150
630184.00	4277981.00	20.81401	630184.00	4278001.00	20.64372
630184.00	4278021.00	19.67325	630184.00	4278041.00	18.17084
630184.00	4278061.00	16.44140	630184.00	4278081.00	14.69959
630184.00	4278101.00	13.06384	630184.00	4278121.00	11.58654
630184.00	4278141.00	10.28134	630184.00	4278161.00	9.14129
630204.00	4277661.00	3.89337	630204.00	4277681.00	4.48799

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         630204.00    4277701.00        5.23119                    630204.00
4277721.00        6.17463
         630204.00    4277741.00        7.44088                    630204.00
4277761.00        9.11416
         630204.00    4277781.00       11.37032                    630204.00
4277801.00       14.35735
         630204.00    4277821.00       18.31358                    630204.00
4277901.00       32.45782
         630204.00    4277921.00       33.86183                    630204.00
4277941.00       35.37253
         630204.00    4277961.00       36.66866                    630204.00
4277981.00       35.96458
         630204.00    4278001.00       33.05084                    630204.00
4278021.00       29.15075
         630204.00    4278041.00       25.16614                    630204.00
4278061.00       21.54379
         630204.00    4278081.00       18.42391                    630204.00
4278101.00       15.80296
         630204.00    4278121.00       13.62299                    630204.00
4278141.00       11.81371
         630204.00    4278161.00       10.30859                    630224.00
4277661.00        4.51458
         630224.00    4277681.00        5.27711                    630224.00
4277701.00        6.22967
         630224.00    4277721.00        7.45659                    630224.00
4277741.00        9.13935
         630224.00    4277761.00       11.45633                    630224.00
4277781.00       14.77240
         630224.00    4277801.00       19.58913                    630224.00
4277821.00       26.75682
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630224.00	4277901.00	67.34302	630224.00	4277921.00	73.81882
630224.00	4277941.00	75.93562	630224.00	4277961.00	73.49057
630224.00	4277981.00	63.61455	630224.00	4278001.00	51.71935
630224.00	4278021.00	41.33671	630224.00	4278041.00	33.14685
630224.00	4278061.00	26.86004	630224.00	4278081.00	22.04286
630224.00	4278101.00	18.32227	630224.00	4278121.00	15.41498
630224.00	4278141.00	13.11376	630224.00	4278161.00	11.26875
630244.00	4277701.00	7.55232	630244.00	4277721.00	9.24752
630244.00	4277741.00	11.59140	630244.00	4277761.00	14.93436
630244.00	4277781.00	19.92624	630244.00	4277801.00	27.94927
630244.00	4277821.00	41.42042	630244.00	4277841.00	63.75016
630244.00	4277941.00	166.28047	630244.00	4277961.00	143.54334
630244.00	4277981.00	102.66170	630244.00	4278001.00	72.70116
630244.00	4278021.00	53.05363	630244.00	4278041.00	40.00613
630244.00	4278061.00	31.06148	630244.00	4278081.00	24.72112
630244.00	4278101.00	20.09056	630244.00	4278121.00	16.61815
630244.00	4278141.00	13.95286	630244.00	4278161.00	11.86656
630264.00	4277741.00	14.99287	630264.00	4277761.00	20.06784
630264.00	4277781.00	28.12588	630264.00	4277801.00	41.80043
630264.00	4277821.00	67.18061	630264.00	4277841.00	115.05160
630264.00	4277941.00	241.83578	630264.00	4277961.00	196.62631
630264.00	4277981.00	127.24950	630264.00	4278001.00	83.84707
630264.00	4278021.00	58.46101	630264.00	4278041.00	42.81744
630264.00	4278061.00	32.60480	630264.00	4278081.00	25.60554
630264.00	4278101.00	20.61320	630264.00	4278121.00	16.93253

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         630264.00    4278141.00       14.14267                    630264.00
4278161.00       11.97969
         630284.00    4277661.00        7.31396                    630284.00
4277681.00        8.95604
         630284.00    4277801.00       56.10918                    630284.00
4277821.00       90.29965
         630284.00    4277841.00      147.71224                    630284.00
4277941.00      218.19332
         630284.00    4277961.00      174.26102                    630284.00
4277981.00      113.88179
         630284.00    4278001.00       76.38922                    630284.00
4278021.00       54.07600
         630284.00    4278041.00       40.06808                    630284.00
4278061.00       30.78218
         630284.00    4278081.00       24.33938                    630284.00
4278101.00       19.69787
         630284.00    4278121.00       16.24873                    630284.00
4278141.00       13.61847
         630284.00    4278161.00       11.56875                    630304.00
4277661.00        8.51713
         630304.00    4277681.00       10.47700                    630304.00
4277701.00       13.15518
         630304.00    4277721.00       16.90579                    630324.00
4277661.00        9.59877
         630324.00    4277681.00       11.76473                    630324.00
4277701.00       14.64368
         630324.00    4277721.00       18.51795                    630324.00
4277741.00       23.80632
         630324.00    4277761.00       30.98891                    630324.00
4277781.00       40.63655
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630344.00	4277661.00	10.31330	630344.00	4277681.00	12.47152
630344.00	4277701.00	15.20067	630344.00	4277721.00	18.64089
630344.00	4277741.00	22.92537	630344.00	4277761.00	28.11227
630344.00	4277781.00	34.02639	630344.00	4277801.00	40.02532
630344.00	4277821.00	44.78645	630344.00	4277881.00	42.03733
630344.00	4277901.00	38.86457	630344.00	4277921.00	36.64559
630344.00	4277941.00	34.80283	630344.00	4277961.00	32.04264
630344.00	4277981.00	28.55719	630344.00	4278001.00	24.93596
630344.00	4278021.00	21.49644	630344.00	4278041.00	18.45070
630344.00	4278061.00	15.91749	630344.00	4278081.00	13.83549
630344.00	4278101.00	12.09268	630344.00	4278121.00	10.59661
630344.00	4278141.00	9.31934	630344.00	4278161.00	8.23844
630364.00	4277661.00	10.50269	630364.00	4277681.00	12.40253
630364.00	4277701.00	14.65999	630364.00	4277721.00	17.28180
630364.00	4277741.00	20.20968	630364.00	4277761.00	23.28456
630364.00	4277781.00	26.19481	630364.00	4277801.00	28.37874
630364.00	4277821.00	29.21155	630364.00	4277881.00	24.33820
630364.00	4277901.00	22.84382	630364.00	4277921.00	22.05788
630364.00	4277941.00	21.31456	630364.00	4277961.00	20.18140
630364.00	4277981.00	18.66155	630364.00	4278001.00	16.96091
630364.00	4278021.00	15.22050	630364.00	4278041.00	13.54362
630364.00	4278061.00	12.07475	630364.00	4278081.00	10.78524
630364.00	4278101.00	9.66003	630364.00	4278121.00	8.65440
630364.00	4278141.00	7.75850	630364.00	4278161.00	6.97441
630384.00	4277661.00	10.17066	630384.00	4277681.00	11.67050

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         630384.00    4277701.00       13.32023                    630384.00
4277721.00       15.06072
         630384.00    4277741.00       16.77605                    630384.00
4277761.00       18.30056
         630384.00    4277781.00       19.42691                    630384.00
4277801.00       19.88905
         630384.00    4277821.00       19.45403                    630384.00
4277881.00       15.60661
         630384.00    4277901.00       14.85024                    630384.00
4277921.00       14.51821
         630384.00    4277941.00       14.19066                    630384.00
4277961.00       13.66450
         630384.00    4277981.00       12.91922                    630384.00
4278001.00       12.03686
         630384.00    4278021.00       11.10127                    630384.00
4278041.00       10.16994
         630384.00    4278061.00        9.28620                    630384.00
4278081.00        8.46073
         630384.00    4278101.00        7.70408                    630384.00
4278121.00        7.01701
         630384.00    4278141.00        6.39629                    630384.00
4278161.00        5.83754
         630404.00    4277661.00        9.42858                    630404.00
4277681.00       10.50241
         630404.00    4277701.00       11.58478                    630404.00
4277721.00       12.60648
         630404.00    4277741.00       13.47219                    630404.00
4277761.00       14.07986
         630404.00    4277781.00       14.33375                    630404.00
4277801.00       14.12190
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630404.00	4277821.00	13.41798	630404.00	4277881.00	10.75866
630404.00	4277901.00	10.37593	630404.00	4277921.00	10.20339
630404.00	4277941.00	10.04744	630404.00	4277961.00	9.78065
630404.00	4277981.00	9.38163	630404.00	4278001.00	8.88578
630404.00	4278021.00	8.33760	630404.00	4278041.00	7.77258
630404.00	4278061.00	7.21458	630404.00	4278081.00	6.66850
630404.00	4278101.00	6.17212	630404.00	4278121.00	5.70347
630404.00	4278141.00	5.26925	630404.00	4278161.00	4.87010
630424.00	4277661.00	8.45598	630424.00	4277681.00	9.15735
630424.00	4277701.00	9.79667	630424.00	4277721.00	10.31734
630424.00	4277741.00	10.66578	630424.00	4277761.00	10.79044
630424.00	4277781.00	10.66952	630424.00	4277801.00	10.26032
630424.00	4277821.00	9.60426	630424.00	4277881.00	7.82225
630424.00	4277901.00	7.61255	630424.00	4277921.00	7.52727
630424.00	4277941.00	7.45085	630424.00	4277961.00	7.30744
630424.00	4277981.00	7.07936	630424.00	4278001.00	6.78279
630424.00	4278021.00	6.44280	630424.00	4278041.00	6.05976
630424.00	4278061.00	5.68111	630424.00	4278081.00	5.31746
630424.00	4278101.00	4.98362	630424.00	4278121.00	4.67476
630424.00	4278141.00	4.36413	630424.00	4278161.00	4.07423
630444.00	4277661.00	7.41700	630444.00	4277681.00	7.83153
630444.00	4277701.00	8.15767	630444.00	4277721.00	8.35963
630444.00	4277741.00	8.41848	630444.00	4277761.00	8.31508
630444.00	4277781.00	8.05988	630444.00	4277801.00	7.64948
630444.00	4277821.00	7.11809	630444.00	4277881.00	5.92443

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         630444.00    4277901.00        5.80515                    630444.00
4277921.00        5.76313
         630444.00    4277941.00        5.72590                    630444.00
4277961.00        5.64628
         630444.00    4277981.00        5.50951                    630444.00
4278001.00        5.32328
         630444.00    4278021.00        5.08379                    630444.00
4278041.00        4.82134
         630444.00    4278061.00        4.56286                    630444.00
4278081.00        4.31873
         630444.00    4278101.00        4.08955                    630444.00
4278121.00        3.87425
         630444.00    4278141.00        3.64621                    630444.00
4278161.00        3.43094
         630464.00    4277661.00        6.40342                    630464.00
4277681.00        6.62488
         630464.00    4277701.00        6.75266                    630464.00
4277721.00        6.77152
         630464.00    4277741.00        6.68638                    630464.00
4277761.00        6.49215
         630464.00    4277781.00        6.21295                    630464.00
4277801.00        5.84944
         630464.00    4277821.00        5.44138                    630464.00
4277881.00        4.63200
         630464.00    4277901.00        4.56194                    630464.00
4277921.00        4.54223
         630464.00    4277941.00        4.52598                    630464.00
4277961.00        4.48129
         630464.00    4277981.00        4.39567                    630464.00
4278001.00        4.26008
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630464.00	4278021.00	4.09006	630464.00	4278041.00	3.91397
630464.00	4278061.00	3.74081	630464.00	4278081.00	3.57347
630464.00	4278101.00	3.41120	630464.00	4278121.00	3.24844
630464.00	4278141.00	3.07725	630464.00	4278161.00	2.91380
630484.00	4277661.00	5.47024	630484.00	4277681.00	5.56515
630484.00	4277701.00	5.57915	630484.00	4277721.00	5.50172
630484.00	4277741.00	5.35523	630484.00	4277761.00	5.13780
630484.00	4277781.00	4.87158	630484.00	4277801.00	4.57652
630484.00	4277821.00	4.27125	630484.00	4277881.00	3.71411
630484.00	4277901.00	3.67211	630484.00	4277921.00	3.66479
630484.00	4277941.00	3.65992	630484.00	4277961.00	3.63540
630484.00	4277981.00	3.57778	630484.00	4278001.00	3.48042
630484.00	4278021.00	3.36449	630484.00	4278041.00	3.24171
630484.00	4278061.00	3.12067	630484.00	4278081.00	3.00020
630484.00	4278101.00	2.88027	630484.00	4278121.00	2.75408
630484.00	4278141.00	2.62333	630484.00	4278161.00	2.49657
630504.00	4277661.00	4.65441	630504.00	4277681.00	4.66910
630504.00	4277701.00	4.61943	630504.00	4277721.00	4.50230
630504.00	4277741.00	4.33911	630504.00	4277761.00	4.13280
630504.00	4277781.00	3.89808	630504.00	4277801.00	3.66059
630504.00	4277821.00	3.43038	630504.00	4277881.00	3.03982
630504.00	4277901.00	3.01457	630504.00	4277921.00	3.01384
630504.00	4277941.00	3.01530	630504.00	4277961.00	3.00270
630504.00	4277981.00	2.96283	630504.00	4278001.00	2.89465
630504.00	4278021.00	2.81292	630504.00	4278041.00	2.72419

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         630504.00    4278061.00        2.63399                    630504.00
4278081.00        2.54416
         630504.00    4278101.00        2.45314                    630504.00
4278121.00        2.35866
         630504.00    4278141.00        2.25748                    630504.00
4278161.00        2.15811
         630524.00    4277661.00        3.95808                    630524.00
4277681.00        3.92468
         630524.00    4277701.00        3.84757                    630524.00
4277721.00        3.71894
         630524.00    4277741.00        3.56104                    630524.00
4277761.00        3.37699
         630524.00    4277781.00        3.17887                    630524.00
4277801.00        2.98406
         630524.00    4277821.00        2.80924                    630524.00
4277881.00        2.53062
         630524.00    4277901.00        2.51543                    630524.00
4277921.00        2.51746
         630524.00    4277941.00        2.52195                    630524.00
4277961.00        2.51705
         630524.00    4277981.00        2.49048                    630524.00
4278001.00        2.44194
         630524.00    4278021.00        2.38275                    630524.00
4278041.00        2.31645
         630524.00    4278061.00        2.24839                    630524.00
4278081.00        2.17999
         630524.00    4278101.00        2.11097                    630524.00
4278121.00        2.03849
         630524.00    4278141.00        1.95931                    630524.00
4278161.00        1.88067
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630024.00	4278211.00	2.18112	630024.00	4278261.00	2.11115
630024.00	4278311.00	1.98227	630024.00	4278361.00	1.82652
630024.00	4278411.00	1.66207	630024.00	4278461.00	1.49942
630024.00	4278511.00	1.35743	630024.00	4278561.00	1.22395
630024.00	4278611.00	1.10346	630024.00	4278711.00	0.90583
630024.00	4278761.00	0.82442	630024.00	4278811.00	0.75326
630024.00	4278861.00	0.68977	630024.00	4278911.00	0.63372
630074.00	4278211.00	3.27610	630074.00	4278261.00	2.96609
630074.00	4278311.00	2.63424	630074.00	4278361.00	2.31806
630074.00	4278411.00	2.03378	630074.00	4278461.00	1.78349
630074.00	4278511.00	1.57274	630074.00	4278561.00	1.39071
630074.00	4278611.00	1.23443	630074.00	4278711.00	0.98935
630074.00	4278761.00	0.89147	630074.00	4278811.00	0.80760
630074.00	4278861.00	0.73453	630074.00	4278911.00	0.67080
630124.00	4278211.00	4.79102	630124.00	4278261.00	4.02468
630124.00	4278311.00	3.37461	630124.00	4278361.00	2.84173
630124.00	4278411.00	2.41015	630124.00	4278461.00	2.06090
630124.00	4278511.00	1.77709	630124.00	4278561.00	1.54292
630124.00	4278611.00	1.35119	630124.00	4278711.00	1.06075
630124.00	4278761.00	0.94839	630124.00	4278811.00	0.85225
630124.00	4278861.00	0.77033	630124.00	4278911.00	0.70030
630174.00	4278211.00	6.56344	630174.00	4278261.00	5.13518
630174.00	4278311.00	4.09205	630174.00	4278361.00	3.31895
630174.00	4278411.00	2.73719	630174.00	4278461.00	2.29009
630174.00	4278511.00	1.94055	630174.00	4278561.00	1.66226

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         630174.00    4278611.00        1.44011                    630174.00
4278711.00        1.11077
         630174.00    4278761.00        0.98711                    630174.00
4278811.00        0.88203
         630174.00    4278861.00        0.79333                    630174.00
4278911.00        0.71856
         630224.00    4278211.00        8.00986                    630224.00
4278261.00        5.94991
         630224.00    4278311.00        4.57611                    630224.00
4278361.00        3.61925
         630224.00    4278411.00        2.92909                    630224.00
4278461.00        2.41616
         630224.00    4278511.00        2.02331                    630224.00
4278561.00        1.71897
         630224.00    4278611.00        1.47988                    630224.00
4278711.00        1.12952
         630224.00    4278761.00        0.99950                    630224.00
4278811.00        0.89109
         630224.00    4278861.00        0.79959                    630224.00
4278911.00        0.72213
         630274.00    4278211.00        8.21967                    630274.00
4278261.00        6.01995
         630274.00    4278311.00        4.58805                    630274.00
4278361.00        3.60665
         630274.00    4278411.00        2.90653                    630274.00
4278461.00        2.39055
         630274.00    4278511.00        1.99959                    630274.00
4278561.00        1.69646
         630274.00    4278611.00        1.45885                    630274.00
4278711.00        1.11121
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630274.00	4278761.00	0.98292	630274.00	4278811.00	0.87648
630274.00	4278861.00	0.78560	630274.00	4278911.00	0.70898
630374.00	4278211.00	5.03030	630374.00	4278261.00	4.03558
630374.00	4278311.00	3.28222	630374.00	4278361.00	2.70799
630374.00	4278411.00	2.26659	630374.00	4278461.00	1.92004
630374.00	4278511.00	1.64498	630374.00	4278561.00	1.42356
630374.00	4278611.00	1.24348	630374.00	4278711.00	0.97201
630374.00	4278761.00	0.86859	630374.00	4278811.00	0.78103
630374.00	4278861.00	0.70498	630374.00	4278911.00	0.64180
630424.00	4278211.00	3.43636	630424.00	4278261.00	2.91039
630424.00	4278311.00	2.47806	630424.00	4278361.00	2.12327
630424.00	4278411.00	1.83183	630424.00	4278461.00	1.59126
630424.00	4278511.00	1.39215	630424.00	4278561.00	1.22598
630424.00	4278611.00	1.08681	630424.00	4278711.00	0.86962
630424.00	4278761.00	0.78439	630424.00	4278811.00	0.71104
630424.00	4278861.00	0.64740	630424.00	4278911.00	0.59249
630474.00	4278211.00	2.36427	630474.00	4278261.00	2.07890
630474.00	4278311.00	1.83318	630474.00	4278361.00	1.62073
630474.00	4278411.00	1.43897	630474.00	4278461.00	1.28140
630474.00	4278511.00	1.14543	630474.00	4278561.00	1.02778
630474.00	4278611.00	0.92626	630474.00	4278711.00	0.76122
630474.00	4278761.00	0.69410	630474.00	4278811.00	0.63528
630474.00	4278861.00	0.58237	630474.00	4278911.00	0.53682
630524.00	4278211.00	1.69025	630524.00	4278261.00	1.52147
630524.00	4278311.00	1.37140	630524.00	4278361.00	1.23981

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         630524.00    4278411.00        1.12396                    630524.00
4278461.00        1.02143
         630524.00    4278511.00        0.93046                    630524.00
4278561.00        0.84810
         630524.00    4278611.00        0.77716                    630524.00
4278711.00        0.65638
         630524.00    4278761.00        0.60533                    630524.00
4278811.00        0.55970
         630524.00    4278861.00        0.51865                    630524.00
4278911.00        0.48117
         630574.00    4278211.00        1.26093                    630574.00
4278261.00        1.15234
         630574.00    4278311.00        1.05331                    630574.00
4278361.00        0.96434
         630574.00    4278411.00        0.88731                    630574.00
4278461.00        0.81800
         630574.00    4278511.00        0.75592                    630574.00
4278561.00        0.69886
         630574.00    4278611.00        0.64903                    630574.00
4278711.00        0.55957
         630574.00    4278761.00        0.52173                    630574.00
4278811.00        0.48878
         630574.00    4278861.00        0.45719                    630574.00
4278911.00        0.42761
         630624.00    4278211.00        0.97079                    630624.00
4278261.00        0.90010
         630624.00    4278311.00        0.83234                    630624.00
4278361.00        0.76933
         630624.00    4278411.00        0.71421                    630624.00
4278461.00        0.66445
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630624.00	4278511.00	0.61996	630624.00	4278561.00	0.57983
630624.00	4278611.00	0.54346	630624.00	4278711.00	0.47760
630624.00	4278761.00	0.44952	630624.00	4278811.00	0.42487
630624.00	4278861.00	0.40097	630624.00	4278911.00	0.37792
630674.00	4278211.00	0.76730	630674.00	4278261.00	0.72060
630674.00	4278311.00	0.67388	630674.00	4278361.00	0.62863
630674.00	4278411.00	0.58733	630674.00	4278461.00	0.54976
630674.00	4278511.00	0.51612	630674.00	4278561.00	0.48582
630674.00	4278611.00	0.45859	630674.00	4278711.00	0.41049
630674.00	4278761.00	0.38901	630674.00	4278811.00	0.36971
630674.00	4278861.00	0.35099	630674.00	4278911.00	0.33325
630724.00	4278211.00	0.62029	630724.00	4278261.00	0.58852
630724.00	4278311.00	0.55615	630724.00	4278361.00	0.52371
630724.00	4278411.00	0.49243	630724.00	4278461.00	0.46330
630724.00	4278511.00	0.43648	630724.00	4278561.00	0.41303
630724.00	4278611.00	0.39155	630724.00	4278711.00	0.35427
630724.00	4278761.00	0.33786	630724.00	4278811.00	0.32260
630724.00	4278861.00	0.30758	630724.00	4278911.00	0.29406
630774.00	4278211.00	0.51167	630774.00	4278261.00	0.48895
630774.00	4278311.00	0.46614	630774.00	4278361.00	0.44279
630774.00	4278411.00	0.41940	630774.00	4278461.00	0.39675
630774.00	4278511.00	0.37518	630774.00	4278561.00	0.35624
630774.00	4278611.00	0.33872	630774.00	4278711.00	0.30790
630774.00	4278761.00	0.29478	630774.00	4278811.00	0.28311
630774.00	4278861.00	0.27142	630774.00	4278911.00	0.26041

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         630824.00    4278211.00        0.42969                    630824.00
4278261.00        0.41262
         630824.00    4278311.00        0.39593                    630824.00
4278361.00        0.37898
         630824.00    4278411.00        0.36160                    630824.00
4278461.00        0.34416
         630824.00    4278511.00        0.32727                    630824.00
4278561.00        0.31139
         630824.00    4278611.00        0.29680                    630824.00
4278711.00        0.27147
         630824.00    4278761.00        0.26052                    630824.00
4278811.00        0.25049
         630824.00    4278861.00        0.24076                    630824.00
4278911.00        0.23208
         630874.00    4278211.00        0.36659                    630874.00
4278261.00        0.35321
         630874.00    4278311.00        0.34042                    630874.00
4278361.00        0.32782
         630874.00    4278411.00        0.31489                    630874.00
4278461.00        0.30160
         630874.00    4278511.00        0.28814                    630874.00
4278561.00        0.27527
         630874.00    4278611.00        0.26304                    630874.00
4278711.00        0.24140
         630874.00    4278761.00        0.23190                    630874.00
4278811.00        0.22335
         630874.00    4278861.00        0.21533                    630874.00
4278911.00        0.20811
         630924.00    4278211.00        0.31705                    630924.00
4278261.00        0.30629
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630924.00	4278311.00	0.29607	630924.00	4278361.00	0.28624
630924.00	4278411.00	0.27620	630924.00	4278461.00	0.26632
630924.00	4278511.00	0.25527	630924.00	4278561.00	0.24505
630924.00	4278611.00	0.23504	630924.00	4278711.00	0.21650
630924.00	4278761.00	0.20824	630924.00	4278811.00	0.20081
630924.00	4278861.00	0.19376	630924.00	4278911.00	0.18757
630974.00	4278211.00	0.27748	630974.00	4278261.00	0.26869
630974.00	4278311.00	0.26026	630974.00	4278361.00	0.25219
630974.00	4278411.00	0.24476	630974.00	4278461.00	0.23699
630974.00	4278511.00	0.22848	630974.00	4278561.00	0.22044
630974.00	4278611.00	0.21204	630974.00	4278711.00	0.19602
630974.00	4278761.00	0.18881	630974.00	4278811.00	0.18220
630974.00	4278861.00	0.17598	630974.00	4278911.00	0.17049
631024.00	4278211.00	0.24530	631024.00	4278261.00	0.23812
631024.00	4278311.00	0.23099	631024.00	4278361.00	0.22371
631024.00	4278411.00	0.21801	631024.00	4278461.00	0.21214
631024.00	4278511.00	0.20551	631024.00	4278561.00	0.19918
631024.00	4278611.00	0.19224	631024.00	4278711.00	0.17889
631024.00	4278761.00	0.17255	631024.00	4278811.00	0.16663
631024.00	4278861.00	0.16113	631024.00	4278911.00	0.15614
631074.00	4278211.00	0.21869	631074.00	4278261.00	0.21285
631074.00	4278311.00	0.20684	631074.00	4278361.00	0.20062
631074.00	4278411.00	0.19524	631074.00	4278461.00	0.19084
631074.00	4278511.00	0.18575	631074.00	4278561.00	0.18091
631074.00	4278611.00	0.17528	631074.00	4278711.00	0.16406

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         631074.00    4278761.00        0.15855                    631074.00
4278811.00        0.15337
         631074.00    4278861.00        0.14861                    631074.00
4278911.00        0.14394
         631124.00    4278211.00        0.19644                    631124.00
4278261.00        0.19160
         631124.00    4278311.00        0.18667                    631124.00
4278361.00        0.18144
         631124.00    4278411.00        0.17674                    631124.00
4278461.00        0.17286
         631124.00    4278511.00        0.16888                    631124.00
4278561.00        0.16469
         631124.00    4278611.00        0.16041                    631124.00
4278711.00        0.15124
         631124.00    4278761.00        0.14651                    631124.00
4278811.00        0.14191
         631124.00    4278861.00        0.13747                    631124.00
4278911.00        0.13325
         631174.00    4278211.00        0.17775                    631174.00
4278261.00        0.17397
         631174.00    4278311.00        0.16963                    631174.00
4278361.00        0.16501
         631174.00    4278411.00        0.16098                    631174.00
4278461.00        0.15740
         631174.00    4278511.00        0.15415                    631174.00
4278561.00        0.15077
         631174.00    4278611.00        0.14724                    631174.00
4278711.00        0.13978
         631174.00    4278761.00        0.13603                    631174.00
4278811.00        0.13212
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631174.00	4278861.00	0.12808	631174.00	4278911.00	0.12413
631224.00	4278211.00	0.16149	631224.00	4278261.00	0.15860
631224.00	4278311.00	0.15510	631224.00	4278361.00	0.15116
631224.00	4278411.00	0.14759	631224.00	4278461.00	0.14439
631224.00	4278511.00	0.14159	631224.00	4278561.00	0.13856
631224.00	4278611.00	0.13573	631224.00	4278711.00	0.12971
631224.00	4278761.00	0.12641	631224.00	4278811.00	0.12306
631224.00	4278861.00	0.11964	631224.00	4278911.00	0.11623
631274.00	4278311.00	0.14258	631274.00	4278361.00	0.13908
631274.00	4278411.00	0.13597	631274.00	4278461.00	0.13302
631274.00	4278511.00	0.13040	631274.00	4278561.00	0.12792
631274.00	4278611.00	0.12550	631274.00	4278661.00	0.12350
631274.00	4278711.00	0.12069	631274.00	4278761.00	0.11792
631274.00	4278811.00	0.11514	631274.00	4278861.00	0.11218
631274.00	4278911.00	0.10914	630574.00	4278161.00	1.37448
630574.00	4278111.00	1.48514	630574.00	4278061.00	1.58045
630574.00	4278011.00	1.66247	630574.00	4277511.00	2.58565
630574.00	4277461.00	2.38886	630574.00	4277411.00	2.15453
630574.00	4277311.00	1.68801	630574.00	4277161.00	1.09862
630574.00	4277111.00	0.95547	630574.00	4276961.00	0.67481
630574.00	4276911.00	0.60010	630624.00	4278161.00	1.04167
630624.00	4278111.00	1.10836	630624.00	4278061.00	1.16965
630624.00	4278011.00	1.21113	630624.00	4277961.00	1.22776
630624.00	4277911.00	1.21110	630624.00	4277811.00	1.29721
630624.00	4277761.00	1.45745	630624.00	4277711.00	1.65926

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         630624.00    4277661.00        1.84785                    630624.00
4277561.00        2.03837
         630624.00    4277511.00        2.02068                    630624.00
4277461.00        1.95285
         630624.00    4277411.00        1.83672                    630624.00
4277311.00        1.54797
         630624.00    4277211.00        1.25162                    630624.00
4276911.00        0.63344
         630674.00    4278161.00        0.81328                    630674.00
4278111.00        0.85426
         630674.00    4278061.00        0.89042                    630674.00
4278011.00        0.91678
         630674.00    4277961.00        0.92148                    630674.00
4277911.00        0.90557
         630674.00    4277861.00        0.90533                    630674.00
4277811.00        0.95143
         630674.00    4277761.00        1.04917                    630674.00
4277711.00        1.18240
         630674.00    4277661.00        1.32420                    630674.00
4277561.00        1.53220
         630674.00    4277511.00        1.56838                    630674.00
4277461.00        1.56515
         630674.00    4277411.00        1.52145                    630674.00
4277211.00        1.17280
         630674.00    4277161.00        1.07129                    630674.00
4277111.00        0.97373
         630674.00    4277061.00        0.88151                    630674.00
4277011.00        0.79623
         630724.00    4278161.00        0.65200                    630724.00
4278111.00        0.68187
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630724.00	4278061.00	0.70515	630724.00	4278011.00	0.71761
630724.00	4277961.00	0.71566	630724.00	4277911.00	0.70145
630724.00	4277861.00	0.69885	630724.00	4277811.00	0.72700
630724.00	4277761.00	0.78976	630724.00	4277711.00	0.87906
630724.00	4277661.00	0.98187	630724.00	4277611.00	1.08279
630724.00	4277561.00	1.16642	630724.00	4277511.00	1.22402
630724.00	4277461.00	1.25260	630724.00	4277411.00	1.24820
630724.00	4277261.00	1.13130	630724.00	4277211.00	1.06564
630724.00	4277161.00	0.99494	630724.00	4277111.00	0.92262
630724.00	4277061.00	0.85116	630724.00	4277011.00	0.78205
630724.00	4276961.00	0.71713	630774.00	4278161.00	0.53479
630774.00	4278111.00	0.55657	630774.00	4278061.00	0.57136
630774.00	4278011.00	0.57701	630774.00	4277961.00	0.57155
630774.00	4277911.00	0.55916	630774.00	4277861.00	0.55566
630774.00	4277761.00	0.61590	630774.00	4277711.00	0.67744
630774.00	4277611.00	0.82985	630774.00	4277561.00	0.90279
630774.00	4277511.00	0.96171	630774.00	4277461.00	1.00331
630774.00	4277311.00	1.01250	630774.00	4277261.00	0.98714
630774.00	4277211.00	0.94929	630774.00	4277161.00	0.90404
630774.00	4277111.00	0.85402	630774.00	4277061.00	0.80085
630774.00	4277011.00	0.74793	630774.00	4276961.00	0.69624
630774.00	4276911.00	0.64574	630824.00	4278161.00	0.44709
630824.00	4278111.00	0.46217	630824.00	4278061.00	0.47091
630824.00	4278011.00	0.47364	630824.00	4277961.00	0.46707
630824.00	4277911.00	0.45634	630824.00	4277861.00	0.45267

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         630824.00    4277811.00        0.46465                    630824.00
4277661.00        0.59208
         630824.00    4277611.00        0.65178                    630824.00
4277561.00        0.71134
         630824.00    4277511.00        0.76430                    630824.00
4277461.00        0.80520
         630824.00    4277311.00        0.86096                    630824.00
4277261.00        0.85314
         630824.00    4277211.00        0.83520                    630824.00
4277161.00        0.80925
         630824.00    4277111.00        0.77731                    630824.00
4277061.00        0.74117
         630824.00    4277011.00        0.70247                    630824.00
4276961.00        0.66256
         630824.00    4276911.00        0.62217                    630874.00
4278161.00        0.37998
         630874.00    4278111.00        0.39106                    630874.00
4278061.00        0.39605
         630874.00    4278011.00        0.39603                    630874.00
4277961.00        0.38907
         630874.00    4277911.00        0.37983                    630874.00
4277861.00        0.37622
         630874.00    4277811.00        0.38440                    630874.00
4277711.00        0.43800
         630874.00    4277661.00        0.47817                    630874.00
4277611.00        0.52372
         630874.00    4277561.00        0.57060                    630874.00
4277511.00        0.61778
         630874.00    4277361.00        0.71557                    630874.00
4277311.00        0.72944
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630874.00	4277261.00	0.73382	630874.00	4277211.00	0.72948
630874.00	4277161.00	0.71753	630874.00	4277111.00	0.69939
630874.00	4277061.00	0.67637	630874.00	4277011.00	0.64983
630874.00	4276961.00	0.62066	630874.00	4276911.00	0.59015
630924.00	4278161.00	0.32741	630924.00	4278111.00	0.33541
630924.00	4278061.00	0.33809	630924.00	4278011.00	0.33632
630924.00	4277961.00	0.32946	630924.00	4277911.00	0.32141
630924.00	4277861.00	0.31801	630924.00	4277811.00	0.32370
630924.00	4277761.00	0.33955	630924.00	4277661.00	0.39454
630924.00	4277611.00	0.42944	630924.00	4277561.00	0.46702
630924.00	4277511.00	0.50248	630924.00	4277411.00	0.57416
630924.00	4277361.00	0.59998	630924.00	4277311.00	0.61877
630924.00	4277261.00	0.63031	630924.00	4277211.00	0.63473
630924.00	4277161.00	0.63258	630924.00	4277111.00	0.62458
630924.00	4277061.00	0.61169	630924.00	4277011.00	0.59485
630924.00	4276961.00	0.57499	630924.00	4276911.00	0.55293
630974.00	4278161.00	0.28547	630974.00	4278111.00	0.29102
630974.00	4278061.00	0.29260	630974.00	4278011.00	0.28905
630974.00	4277961.00	0.28293	630974.00	4277911.00	0.27592
630974.00	4277861.00	0.27276	630974.00	4277811.00	0.27677
630974.00	4277761.00	0.28878	630974.00	4277661.00	0.33148
630974.00	4277611.00	0.35835	630974.00	4277561.00	0.38790
630974.00	4277461.00	0.45104	630974.00	4277411.00	0.48067
630974.00	4277361.00	0.50601	630974.00	4277311.00	0.52650
630974.00	4277261.00	0.54192	630974.00	4277211.00	0.55166

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         630974.00    4277161.00        0.55594                    630974.00
4277111.00        0.55521
         630974.00    4277061.00        0.54987                    630974.00
4277011.00        0.54060
         630974.00    4276961.00        0.52810                    630974.00
4276911.00        0.51305
         631024.00    4278161.00        0.25144                    631024.00
4278111.00        0.25519
         631024.00    4278061.00        0.25516                    631024.00
4278011.00        0.25150
         631024.00    4277961.00        0.24543                    631024.00
4277911.00        0.23976
         631024.00    4277861.00        0.23686                    631024.00
4277811.00        0.23972
         631024.00    4277761.00        0.24899                    631024.00
4277711.00        0.26383
         631024.00    4277611.00        0.30465                    631024.00
4277411.00        0.40512
         631024.00    4277361.00        0.42912                    631024.00
4277311.00        0.45007
         631024.00    4277261.00        0.46715                    631024.00
4277211.00        0.47978
         631024.00    4277161.00        0.48816                    631024.00
4277111.00        0.49229
         631024.00    4277061.00        0.49239                    631024.00
4277011.00        0.48888
         631024.00    4276961.00        0.48217                    631024.00
4276911.00        0.47279
         631074.00    4278161.00        0.22320                    631074.00
4278111.00        0.22581
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631074.00	4278061.00	0.22521	631074.00	4278011.00	0.22120
631074.00	4277961.00	0.21584	631074.00	4277911.00	0.21049
631074.00	4277861.00	0.20792	631074.00	4277811.00	0.20995
631074.00	4277761.00	0.21700	631074.00	4277711.00	0.22909
631074.00	4277461.00	0.32426	631074.00	4277311.00	0.38692
631074.00	4277261.00	0.40424	631074.00	4277211.00	0.41815
631074.00	4277161.00	0.42885	631074.00	4277111.00	0.43610
631074.00	4277061.00	0.43988	631074.00	4277011.00	0.44066
631074.00	4276961.00	0.43826	631074.00	4276911.00	0.43330
631124.00	4278161.00	0.19993	631124.00	4278111.00	0.20144
631124.00	4278061.00	0.20023	631124.00	4278011.00	0.19660
631124.00	4277961.00	0.19149	631124.00	4277911.00	0.18672
631124.00	4277861.00	0.18429	631124.00	4277811.00	0.18572
631124.00	4277761.00	0.19146	631124.00	4277711.00	0.20110
631124.00	4277461.00	0.27916	631124.00	4277411.00	0.29785
631124.00	4277261.00	0.35148	631124.00	4277211.00	0.36558
631124.00	4277161.00	0.37737	631124.00	4277111.00	0.38647
631124.00	4277061.00	0.39284	631124.00	4277011.00	0.39647
631124.00	4276961.00	0.39752	631124.00	4276911.00	0.39616
631174.00	4278161.00	0.18036	631174.00	4278111.00	0.18099
631174.00	4278061.00	0.17938	631174.00	4278011.00	0.17550
631174.00	4277961.00	0.17104	631174.00	4277911.00	0.16680
631174.00	4277861.00	0.16472	631174.00	4277811.00	0.16534
631174.00	4277761.00	0.17010	631174.00	4277561.00	0.21384
631174.00	4277511.00	0.22820	631174.00	4277461.00	0.24357

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         631174.00    4277311.00        0.29199                    631174.00
4277261.00        0.30725
         631174.00    4277161.00        0.33294                    631174.00
4277111.00        0.34296
         631174.00    4277061.00        0.35081                    631174.00
4277011.00        0.35645
         631174.00    4276961.00        0.35986                    631174.00
4276911.00        0.36111
         631224.00    4278161.00        0.16343                    631224.00
4278111.00        0.16344
         631224.00    4278061.00        0.16181                    631224.00
4278011.00        0.15836
         631224.00    4277961.00        0.15413                    631224.00
4277911.00        0.15014
         631224.00    4277861.00        0.14823                    631224.00
4277811.00        0.14865
         631224.00    4277761.00        0.15264                    631224.00
4277561.00        0.18926
         631224.00    4277461.00        0.21479                    631224.00
4277361.00        0.24210
         631224.00    4277311.00        0.25629                    631224.00
4277261.00        0.27017
         631224.00    4277211.00        0.28304                    631224.00
4277161.00        0.29473
         631224.00    4277111.00        0.30500                    631224.00
4277061.00        0.31363
         631224.00    4277011.00        0.32048                    631224.00
4276961.00        0.32551
         631224.00    4276911.00        0.32869                    631274.00
4277611.00        0.15927
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631274.00	4277561.00	0.16899	631274.00	4277511.00	0.17953
631274.00	4277461.00	0.19089	631274.00	4277361.00	0.21426
631274.00	4277311.00	0.22666	631274.00	4277261.00	0.23900
631274.00	4277211.00	0.25085	631274.00	4277161.00	0.26194
631274.00	4277111.00	0.27201	631274.00	4277061.00	0.28091
631274.00	4277011.00	0.28842	631274.00	4276961.00	0.29445
631274.00	4276911.00	0.29896	630524.00	4277611.00	3.86874
630524.00	4277561.00	3.59418	630524.00	4277511.00	3.21329
630524.00	4277461.00	2.80943	630524.00	4277411.00	2.40751
630524.00	4277261.00	1.48013	630524.00	4276961.00	0.62829
630524.00	4276911.00	0.55711	630474.00	4277611.00	5.30213
630474.00	4277561.00	4.52721	630474.00	4277511.00	3.76127
630474.00	4277461.00	3.08489	630474.00	4277411.00	2.50280
630474.00	4277061.00	0.74126	630474.00	4276961.00	0.57380
630474.00	4276911.00	0.50911	630424.00	4277611.00	6.69626
630424.00	4277561.00	5.16466	630424.00	4277511.00	3.96848
630424.00	4277461.00	3.06721	630424.00	4277411.00	2.38617
630424.00	4277211.00	1.06329	630424.00	4277061.00	0.66624
630424.00	4276961.00	0.51769	630424.00	4276911.00	0.46107
630374.00	4277611.00	7.14867	630374.00	4277561.00	5.04410
630374.00	4277511.00	3.66200	630374.00	4277461.00	2.72476
630374.00	4276961.00	0.46531	630374.00	4276911.00	0.41685
630324.00	4277611.00	6.09476	630324.00	4277561.00	4.14969
630324.00	4277511.00	2.97472	630324.00	4277361.00	1.39149
630324.00	4277311.00	1.13598	630324.00	4277261.00	0.94649

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         630324.00    4277211.00        0.80239                    630324.00
4277161.00        0.68781
         630324.00    4277111.00        0.59590                    630324.00
4276961.00        0.41954
         630324.00    4276911.00        0.37841                    630274.00
4277611.00        4.43066
         630274.00    4277461.00        1.78823                    630274.00
4277411.00        1.41791
         630274.00    4277361.00        1.15551                    630274.00
4277311.00        0.96036
         630274.00    4277261.00        0.81227                    630274.00
4277211.00        0.69793
         630274.00    4277161.00        0.60593                    630274.00
4277111.00        0.53134
         630274.00    4276961.00        0.38161                    630274.00
4276911.00        0.34633
         630224.00    4277511.00        1.81665                    630224.00
4277461.00        1.44385
         630224.00    4277411.00        1.17581                    630224.00
4277361.00        0.97714
         630224.00    4277311.00        0.82606                    630224.00
4277261.00        0.70861
         630224.00    4277211.00        0.61552                    630224.00
4277161.00        0.53926
         630224.00    4277111.00        0.47860                    630224.00
4277061.00        0.42713
         630224.00    4276911.00        0.31978                    630174.00
4277561.00        1.84323
         630174.00    4277511.00        1.46613                    630174.00
4277461.00        1.19465
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
630174.00	4277411.00	0.99319	630174.00	4277361.00	0.83973
630174.00	4277311.00	0.72029	630174.00	4277261.00	0.62557
630174.00	4277211.00	0.54921	630174.00	4277161.00	0.48642
630174.00	4277111.00	0.43469	630174.00	4277061.00	0.39174
630174.00	4277011.00	0.35395	630174.00	4276911.00	0.29734
630124.00	4277611.00	1.87493	630124.00	4277561.00	1.49183
630124.00	4277511.00	1.21459	630124.00	4277461.00	1.00936
630124.00	4277411.00	0.85288	630124.00	4277361.00	0.73120
630124.00	4277311.00	0.63480	630124.00	4277261.00	0.55714
630124.00	4277211.00	0.49371	630124.00	4277161.00	0.44121
630124.00	4277111.00	0.39728	630124.00	4277061.00	0.36013
630124.00	4277011.00	0.32808	630074.00	4277611.00	1.51872
630074.00	4277561.00	1.24204	630074.00	4277511.00	1.03235
630074.00	4277461.00	0.87084	630074.00	4277411.00	0.74506
630074.00	4277361.00	0.64522	630074.00	4277311.00	0.56571
630074.00	4277261.00	0.50054	630074.00	4277211.00	0.44673
630074.00	4277161.00	0.40185	630074.00	4277111.00	0.36405
630074.00	4277061.00	0.33183	630074.00	4277011.00	0.30403
630024.00	4277611.00	1.24082	630024.00	4277561.00	1.04609
630024.00	4277511.00	0.89052	630024.00	4277461.00	0.76303
630024.00	4277411.00	0.66164	630024.00	4277361.00	0.57945
630024.00	4277311.00	0.51107	630024.00	4277261.00	0.45522
630024.00	4277211.00	0.40782	630024.00	4277161.00	0.36855
630024.00	4277111.00	0.33529	630024.00	4277061.00	0.30687
630024.00	4277011.00	0.28264	630024.00	4276961.00	0.26138

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         629974.00    4277611.00        1.01467                    629974.00
4277561.00         0.88609
         629974.00    4277511.00        0.77143                    629974.00
4277461.00         0.67387
         629974.00    4277411.00        0.59340                    629974.00
4277361.00         0.52528
         629974.00    4277311.00        0.46781                    629974.00
4277261.00         0.41910
         629974.00    4277211.00        0.37774                    629974.00
4277161.00         0.34254
         629974.00    4277111.00        0.31224                    629974.00
4277061.00         0.28652
         629974.00    4277011.00        0.26442                    629974.00
4276961.00         0.24501
         629974.00    4276911.00        0.22799                    629924.00
4277611.00         0.82877
         629924.00    4277561.00        0.74931                    629924.00
4277511.00         0.66860
         629924.00    4277461.00        0.59534                    629924.00
4277411.00         0.53174
         629924.00    4277361.00        0.47697                    629924.00
4277311.00         0.42953
         629924.00    4277261.00        0.38828                    629924.00
4277211.00         0.35235
         629924.00    4277161.00        0.32105                    629924.00
4277111.00         0.29383
         629924.00    4277061.00        0.26998                    629924.00
4277011.00         0.24954
         629924.00    4276961.00        0.23096                    629924.00
4276911.00         0.21567
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629874.00	4277611.00	0.67803	629874.00	4277561.00	0.63352
629874.00	4277511.00	0.57984	629874.00	4277461.00	0.52568
629874.00	4277411.00	0.47608	629874.00	4277361.00	0.43214
629874.00	4277311.00	0.39373	629874.00	4277261.00	0.35963
629874.00	4277211.00	0.32926	629874.00	4277161.00	0.30215
629874.00	4277111.00	0.27794	629874.00	4277061.00	0.25643
629874.00	4277011.00	0.23747	629874.00	4276961.00	0.22066
629874.00	4276911.00	0.20540	629824.00	4277611.00	0.55566
629824.00	4277561.00	0.53450	629824.00	4277511.00	0.50205
629824.00	4277461.00	0.46344	629824.00	4277411.00	0.42557
629824.00	4277361.00	0.39000	629824.00	4277311.00	0.35921
629824.00	4277261.00	0.33111	629824.00	4277211.00	0.30639
629824.00	4277161.00	0.28338	629824.00	4277111.00	0.26264
629824.00	4277061.00	0.24325	629824.00	4277011.00	0.22683
629824.00	4276961.00	0.21157	629824.00	4276911.00	0.19761
629774.00	4277611.00	0.46097	629774.00	4277561.00	0.45289
629774.00	4277511.00	0.43561	629774.00	4277461.00	0.41010
629774.00	4277411.00	0.38187	629774.00	4277361.00	0.35391
629774.00	4277311.00	0.32817	629774.00	4277261.00	0.30529
629774.00	4277211.00	0.28429	629774.00	4277161.00	0.26549
629774.00	4277111.00	0.24825	629774.00	4277061.00	0.23120
629774.00	4277011.00	0.21614	629774.00	4276961.00	0.20240
629774.00	4276911.00	0.19040	629724.00	4277611.00	0.38727
629724.00	4277561.00	0.38609	629724.00	4277511.00	0.37858
629724.00	4277461.00	0.36372	629724.00	4277411.00	0.34443

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         629724.00    4277361.00        0.32273                    629724.00
4277311.00         0.30156
         629724.00    4277261.00        0.28190                    629724.00
4277211.00         0.26414
         629724.00    4277161.00        0.24808                    629724.00
4277111.00         0.23336
         629724.00    4277061.00        0.21971                    629724.00
4277011.00         0.20618
         629724.00    4276961.00        0.19379                    629724.00
4276911.00         0.18294
         629674.00    4277611.00        0.32854                    629674.00
4277561.00         0.33000
         629674.00    4277511.00        0.32860                    629674.00
4277461.00         0.32132
         629674.00    4277411.00        0.30914                    629674.00
4277361.00         0.29341
         629674.00    4277311.00        0.27651                    629674.00
4277261.00         0.26036
         629674.00    4277211.00        0.24471                    629674.00
4277161.00         0.23098
         629674.00    4277111.00        0.21869                    629674.00
4277061.00         0.20706
         629674.00    4277011.00        0.19591                    629674.00
4276961.00         0.18507
         629674.00    4276911.00        0.17530                    629624.00
4277611.00         0.28343
         629624.00    4277561.00        0.28532                    629624.00
4277511.00         0.28641
         629624.00    4277461.00        0.28430                    629624.00
4277411.00         0.27812
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629624.00	4277361.00	0.26774	629624.00	4277311.00	0.25494
629624.00	4277261.00	0.24144	629624.00	4277211.00	0.22801
629624.00	4277161.00	0.21573	629624.00	4277111.00	0.20489
629624.00	4277061.00	0.19480	629624.00	4277011.00	0.18534
629624.00	4276961.00	0.17613	629624.00	4276911.00	0.16760
629574.00	4277611.00	0.24709	629574.00	4277561.00	0.24889
629574.00	4277511.00	0.25146	629574.00	4277461.00	0.25211
629574.00	4277411.00	0.24942	629574.00	4277361.00	0.24301
629574.00	4277311.00	0.23420	629574.00	4277261.00	0.22376
629574.00	4277211.00	0.21252	629574.00	4277161.00	0.20199
629574.00	4277111.00	0.19232	629574.00	4277061.00	0.18327
629574.00	4277011.00	0.17497	629574.00	4276961.00	0.16701
629574.00	4276911.00	0.15958	629524.00	4277611.00	0.21884
629524.00	4277561.00	0.21907	629524.00	4277511.00	0.22170
629524.00	4277461.00	0.22349	629524.00	4277411.00	0.22353
629524.00	4277361.00	0.22086	629524.00	4277311.00	0.21531
629524.00	4277261.00	0.20775	629524.00	4277211.00	0.19888
629524.00	4277161.00	0.18988	629524.00	4277111.00	0.18112
629524.00	4277061.00	0.17289	629524.00	4277011.00	0.16538
629524.00	4276961.00	0.15838	629524.00	4276911.00	0.15167
629474.00	4277611.00	0.19572	629474.00	4277561.00	0.19514
629474.00	4277511.00	0.19688	629474.00	4277461.00	0.19961
629474.00	4277411.00	0.20096	629474.00	4277361.00	0.20053
629474.00	4277311.00	0.19753	629474.00	4277261.00	0.19254
629474.00	4277211.00	0.18596	629474.00	4277161.00	0.17857

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         629474.00    4277111.00        0.17097                    629474.00
4277061.00        0.16350
         629474.00    4277011.00        0.15664                    629474.00
4276961.00        0.15025
         629474.00    4276911.00        0.14441                    629424.00
4277611.00        0.17642
         629424.00    4277561.00        0.17552                    629424.00
4277511.00        0.17664
         629424.00    4277461.00        0.17892                    629424.00
4277411.00        0.18109
         629424.00    4277361.00        0.18210                    629424.00
4277311.00        0.18113
         629424.00    4277261.00        0.17832                    629424.00
4277211.00        0.17368
         629424.00    4277161.00        0.16790                    629424.00
4277111.00        0.16152
         629424.00    4277061.00        0.15497                    629424.00
4277011.00        0.14860
         629424.00    4276961.00        0.14292                    629424.00
4276911.00        0.13755
         629374.00    4277611.00        0.16065                    629374.00
4277561.00        0.15886
         629374.00    4277511.00        0.15943                    629374.00
4277461.00        0.16133
         629374.00    4277411.00        0.16383                    629374.00
4277361.00        0.16570
         629374.00    4277311.00        0.16599                    629374.00
4277261.00        0.16493
         629374.00    4277211.00        0.16203                    629374.00
4277161.00        0.15787
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629374.00	4277111.00	0.15271	629374.00	4277061.00	0.14713
629374.00	4277011.00	0.14159	629374.00	4276961.00	0.13623
629374.00	4276911.00	0.13114	629324.00	4277611.00	0.14720
629324.00	4277561.00	0.14494	629324.00	4277511.00	0.14485
629324.00	4277461.00	0.14640	629324.00	4277411.00	0.14874
629324.00	4277361.00	0.15095	629324.00	4277311.00	0.15223
629324.00	4277261.00	0.15234	629324.00	4277211.00	0.15098
629324.00	4277161.00	0.14830	629324.00	4277111.00	0.14447
629324.00	4277061.00	0.13987	629324.00	4277011.00	0.13502
629324.00	4276961.00	0.13020	629324.00	4276911.00	0.12545
629274.00	4277611.00	0.13593	629274.00	4277561.00	0.13347
629274.00	4277511.00	0.13282	629274.00	4277461.00	0.13377
629274.00	4277411.00	0.13575	629274.00	4277361.00	0.13803
629274.00	4277311.00	0.13983	629274.00	4277261.00	0.14085
629274.00	4277211.00	0.14066	629274.00	4277161.00	0.13915
629274.00	4277111.00	0.13653	629274.00	4277061.00	0.13296
629274.00	4277011.00	0.12884	629274.00	4276961.00	0.12469
629274.00	4276911.00	0.12030	629974.00	4277661.00	1.14054
629974.00	4277711.00	1.23536	629974.00	4277811.00	1.32347
629974.00	4277861.00	1.35316	629974.00	4277911.00	1.30977
629974.00	4277961.00	1.24732	629974.00	4278011.00	1.23722
629974.00	4278061.00	1.28849	629974.00	4278111.00	1.36405
629974.00	4278161.00	1.43170	629974.00	4278211.00	1.47441
629974.00	4278261.00	1.49017	629974.00	4278311.00	1.46316
629974.00	4278361.00	1.40575	629974.00	4278411.00	1.32810

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         629974.00    4278461.00        1.23938                    629974.00
4278511.00        1.14789
         629974.00    4278561.00        1.05737                    629974.00
4278611.00        0.97073
         629974.00    4278711.00        0.81861                    629974.00
4278761.00        0.75381
         629974.00    4278811.00        0.69434                    629974.00
4278861.00        0.64097
         629974.00    4278911.00        0.59266                    629924.00
4277661.00        0.89223
         629924.00    4277711.00        0.93052                    629924.00
4277761.00        0.95484
         629924.00    4277861.00        0.99192                    629924.00
4277911.00        0.95732
         629924.00    4277961.00        0.90308                    629924.00
4278011.00        0.88231
         629924.00    4278061.00        0.90376                    629924.00
4278111.00        0.94708
         629924.00    4278161.00        0.99482                    629924.00
4278211.00        1.03679
         629924.00    4278261.00        1.06664                    629924.00
4278311.00        1.07892
         629924.00    4278361.00        1.07074                    629924.00
4278411.00        1.04406
         629924.00    4278461.00        1.00388                    629924.00
4278511.00        0.95420
         629924.00    4278561.00        0.89924                    629924.00
4278611.00        0.84227
         629924.00    4278711.00        0.73208                    629924.00
4278761.00        0.68139
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629924.00	4278811.00	0.63404	629924.00	4278861.00	0.59044
629924.00	4278911.00	0.55067	629874.00	4277661.00	0.70584
629874.00	4277711.00	0.71978	629874.00	4277761.00	0.73338
629874.00	4277811.00	0.75141	629874.00	4277961.00	0.68797
629874.00	4278011.00	0.66503	629874.00	4278061.00	0.67218
629874.00	4278111.00	0.69659	629874.00	4278161.00	0.72960
629874.00	4278211.00	0.76003	629874.00	4278261.00	0.78606
629874.00	4278311.00	0.80575	629874.00	4278361.00	0.81674
629874.00	4278411.00	0.81541	629874.00	4278461.00	0.80476
629874.00	4278511.00	0.78349	629874.00	4278561.00	0.75478
629874.00	4278611.00	0.71994	629874.00	4278711.00	0.64671
629874.00	4278761.00	0.60998	629874.00	4278811.00	0.57427
629874.00	4278861.00	0.53971	629874.00	4278911.00	0.50750
629824.00	4277661.00	0.56483	629824.00	4277711.00	0.57018
629824.00	4277761.00	0.58421	629824.00	4277811.00	0.59929
629824.00	4277861.00	0.60029	629824.00	4277911.00	0.57826
629824.00	4278061.00	0.52109	629824.00	4278111.00	0.53634
629824.00	4278161.00	0.55800	629824.00	4278211.00	0.58026
629824.00	4278261.00	0.60054	629824.00	4278311.00	0.61932
629824.00	4278361.00	0.63434	629824.00	4278411.00	0.64225
629824.00	4278461.00	0.64405	629824.00	4278511.00	0.63872
629824.00	4278561.00	0.62721	629824.00	4278611.00	0.61003
629824.00	4278711.00	0.56657	629824.00	4278761.00	0.54147
629824.00	4278811.00	0.51562	629824.00	4278861.00	0.48970
629824.00	4278911.00	0.46437	629774.00	4277661.00	0.46352

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         629774.00    4277711.00        0.46689                    629774.00
4277761.00        0.47917
         629774.00    4277811.00        0.49173                    629774.00
4277861.00        0.49012
         629774.00    4277911.00        0.47070                    629774.00
4277961.00        0.44204
         629774.00    4278011.00        0.42209                    629774.00
4278861.00        0.44039
         629774.00    4278911.00        0.42164                    629724.00
4277661.00        0.38753
         629724.00    4277711.00        0.39194                    629724.00
4277761.00        0.40257
         629724.00    4277811.00        0.41209                    629724.00
4277861.00        0.40944
         629724.00    4277911.00        0.39172                    629724.00
4277961.00        0.36796
         629724.00    4278011.00        0.34999                    629724.00
4278061.00        0.34387
         629724.00    4278111.00        0.34866                    629724.00
4278161.00        0.35976
         629724.00    4278211.00        0.37254                    629724.00
4278261.00        0.38484
         629724.00    4278311.00        0.39619                    629724.00
4278361.00        0.40663
         629724.00    4278411.00        0.41617                    629724.00
4278461.00        0.42421
         629724.00    4278511.00        0.43003                    629724.00
4278561.00        0.43307
         629724.00    4278611.00        0.43308                    629724.00
4278711.00        0.42409
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629724.00	4278761.00	0.41575	629724.00	4278811.00	0.40542
629674.00	4277661.00	0.32900	629674.00	4277711.00	0.33387
629674.00	4277761.00	0.34340	629674.00	4277811.00	0.35089
629674.00	4277861.00	0.34825	629674.00	4277911.00	0.33316
629674.00	4277961.00	0.31290	629674.00	4278011.00	0.29722
629674.00	4278061.00	0.28986	629674.00	4278111.00	0.29133
629674.00	4278161.00	0.29894	629674.00	4278211.00	0.30915
629674.00	4278261.00	0.31917	629674.00	4278311.00	0.32834
629674.00	4278361.00	0.33673	629674.00	4278411.00	0.34410
629674.00	4278461.00	0.35078	629674.00	4278511.00	0.35740
629674.00	4278561.00	0.36225	629674.00	4278611.00	0.36546
629674.00	4278711.00	0.36437	629674.00	4278761.00	0.36116
629674.00	4278811.00	0.35585	629674.00	4278861.00	0.34925
629674.00	4278911.00	0.34127	629624.00	4277661.00	0.28430
629624.00	4277711.00	0.28994	629624.00	4277761.00	0.29898
629624.00	4277811.00	0.30432	629624.00	4277861.00	0.30009
629624.00	4277911.00	0.28712	629624.00	4277961.00	0.27078
629624.00	4278011.00	0.25658	629624.00	4278061.00	0.24879
629624.00	4278111.00	0.24820	629624.00	4278161.00	0.25328
629624.00	4278211.00	0.26114	629624.00	4278261.00	0.26960
629624.00	4278311.00	0.27731	629624.00	4278361.00	0.28421
629624.00	4278411.00	0.29052	629624.00	4278461.00	0.29600
629624.00	4278511.00	0.30161	629624.00	4278561.00	0.30656
629624.00	4278611.00	0.31042	629624.00	4278711.00	0.31425
629624.00	4278761.00	0.31361	629624.00	4278811.00	0.31191

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         629624.00    4278861.00        0.30914                    629624.00
4278911.00        0.30452
         629574.00    4277661.00        0.24911                    629574.00
4277711.00        0.25576
         629574.00    4277761.00        0.26317                    629574.00
4277811.00        0.26690
         629574.00    4277861.00        0.26246                    629574.00
4277911.00        0.25089
         629574.00    4277961.00        0.23653                    629574.00
4278011.00        0.22458
         629574.00    4278061.00        0.21689                    629574.00
4278111.00        0.21502
         629574.00    4278161.00        0.21811                    629574.00
4278211.00        0.22393
         629574.00    4278261.00        0.23104                    629574.00
4278311.00        0.23787
         629574.00    4278361.00        0.24364                    629574.00
4278411.00        0.24868
         629574.00    4278461.00        0.25343                    629574.00
4278511.00        0.25780
         629574.00    4278561.00        0.26235                    629574.00
4278611.00        0.26639
         629574.00    4278711.00        0.27177                    629574.00
4278761.00        0.27312
         629574.00    4278811.00        0.27351                    629574.00
4278861.00        0.27273
         629574.00    4278911.00        0.27100                    629524.00
4277661.00        0.22180
         629524.00    4277711.00        0.22777                    629524.00
4277761.00        0.23387
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629524.00	4277811.00	0.23607	629524.00	4277861.00	0.23196
629524.00	4277911.00	0.22231	629524.00	4277961.00	0.20971
629524.00	4278011.00	0.19874	629524.00	4278061.00	0.19160
629524.00	4278111.00	0.18868	629524.00	4278161.00	0.19005
629524.00	4278211.00	0.19476	629524.00	4278261.00	0.20060
629524.00	4278311.00	0.20650	629524.00	4278361.00	0.21161
629524.00	4278411.00	0.21614	629524.00	4278461.00	0.22017
629524.00	4278511.00	0.22414	629524.00	4278561.00	0.22748
629524.00	4278661.00	0.23412	629524.00	4278711.00	0.23657
629524.00	4278761.00	0.23867	629524.00	4278811.00	0.24025
629524.00	4278861.00	0.24090	629524.00	4278911.00	0.24100
629474.00	4277661.00	0.19923	629474.00	4277711.00	0.20452
629474.00	4277761.00	0.20998	629474.00	4277811.00	0.21156
629474.00	4277861.00	0.20741	629474.00	4277911.00	0.19888
629474.00	4277961.00	0.18820	629474.00	4278011.00	0.17804
629474.00	4278061.00	0.17098	629474.00	4278111.00	0.16758
629474.00	4278161.00	0.16801	629474.00	4278211.00	0.17135
629474.00	4278261.00	0.17599	629474.00	4278311.00	0.18060
629474.00	4278361.00	0.18547	629474.00	4278411.00	0.19006
629474.00	4278461.00	0.19364	629474.00	4278511.00	0.19686
629474.00	4278561.00	0.19972	629474.00	4278661.00	0.20529
629474.00	4278711.00	0.20774	629474.00	4278761.00	0.21016
629474.00	4278811.00	0.21188	629474.00	4278861.00	0.21338
629474.00	4278911.00	0.21444	629424.00	4277661.00	0.18006
629424.00	4277711.00	0.18481	629424.00	4277761.00	0.18950

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         629424.00    4277811.00        0.19058                    629424.00
4277861.00         0.18657
         629424.00    4277911.00        0.17909                    629424.00
4277961.00         0.16985
         629424.00    4278011.00        0.16068                    629424.00
4278061.00         0.15396
         629424.00    4278111.00        0.15051                    629424.00
4278161.00         0.15033
         629424.00    4278211.00        0.15251                    629424.00
4278261.00         0.15581
         629424.00    4278311.00        0.16016                    629424.00
4278361.00         0.16444
         629424.00    4278411.00        0.16824                    629424.00
4278461.00         0.17170
         629424.00    4278511.00        0.17480                    629424.00
4278611.00         0.17960
         629424.00    4278661.00        0.18155                    629424.00
4278711.00         0.18387
         629424.00    4278761.00        0.18623                    629424.00
4278811.00         0.18832
         629424.00    4278861.00        0.19001                    629424.00
4278911.00         0.19112
         629374.00    4277661.00        0.16446                    629374.00
4277711.00         0.16924
         629374.00    4277761.00        0.17262                    629374.00
4277811.00         0.17325
         629374.00    4277861.00        0.16962                    629374.00
4277911.00         0.16253
         629374.00    4277961.00        0.15423                    629374.00
4278011.00         0.14612
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
629374.00	4278061.00	0.13992	629374.00	4278111.00	0.13645
629374.00	4278161.00	0.13556	629374.00	4278211.00	0.13678
629374.00	4278261.00	0.13956	629374.00	4278311.00	0.14329
629374.00	4278361.00	0.14698	629374.00	4278411.00	0.15046
629374.00	4278461.00	0.15362	629374.00	4278611.00	0.16080
629374.00	4278661.00	0.16265	629374.00	4278711.00	0.16474
629374.00	4278761.00	0.16659	629374.00	4278811.00	0.16833
629374.00	4278861.00	0.17002	629374.00	4278911.00	0.17141
629324.00	4277661.00	0.15103	629324.00	4277711.00	0.15525
629324.00	4277761.00	0.15806	629324.00	4277811.00	0.15805
629324.00	4277861.00	0.15459	629324.00	4277911.00	0.14809
629324.00	4277961.00	0.14064	629324.00	4278011.00	0.13354
629324.00	4278061.00	0.12792	629324.00	4278111.00	0.12434
629324.00	4278161.00	0.12313	629324.00	4278211.00	0.12388
629324.00	4278261.00	0.12611	629324.00	4278311.00	0.12918
629324.00	4278361.00	0.13250	629324.00	4278411.00	0.13575
629324.00	4278561.00	0.14347	629324.00	4278611.00	0.14539
629324.00	4278661.00	0.14698	629324.00	4278711.00	0.14863
629324.00	4278761.00	0.15016	629324.00	4278811.00	0.15155
629324.00	4278861.00	0.15305	629324.00	4278911.00	0.15443
629274.00	4277661.00	0.13960	629274.00	4277711.00	0.14338
629274.00	4277761.00	0.14565	629274.00	4277811.00	0.14521
629274.00	4277861.00	0.14187	629274.00	4277911.00	0.13611
629274.00	4277961.00	0.12925	629274.00	4278011.00	0.12262
629274.00	4278061.00	0.11736	629274.00	4278111.00	0.11406

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         629274.00    4278161.00        0.11267                    629274.00
4278211.00        0.11299
         629274.00    4278261.00        0.11476                    629274.00
4278311.00        0.11732
         629274.00    4278361.00        0.12037                    629274.00
4278511.00        0.12844
         629274.00    4278561.00        0.13055                    629274.00
4278611.00        0.13225
         629274.00    4278661.00        0.13374                    629274.00
4278711.00        0.13514
         629274.00    4278761.00        0.13630                    629274.00
4278811.00        0.13751
         629274.00    4278861.00        0.13873                    629274.00
4278911.00        0.13993
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630024.00	4277661.00	706.44838	(15010109)	630024.00	4277681.00	805.81335	(15010109)
630024.00	4277761.00	877.27183	(16122209)	630024.00	4277781.00	839.90704	(16122209)
630024.00	4277801.00	932.17063	(15010909)	630024.00	4277821.00	959.16425	(15010909)
630024.00	4277841.00	896.23575	(15010909)	630024.00	4277861.00	916.38027	(17022308)
630024.00	4277881.00	963.06307	(17022308)	630024.00	4277901.00	978.78058	(16011409)
630024.00	4277921.00	960.14071	(16011409)	630024.00	4277941.00	840.34350	(16011409)
630024.00	4277961.00	848.72302	(17120108)	630024.00	4277981.00	791.31349	(15120616)
630024.00	4278001.00	888.26734	(15013009)	630024.00	4278021.00	941.86388	(15013009)
630024.00	4278041.00	918.55561	(15013009)	630024.00	4278061.00	831.84210	(15013009)
630024.00	4278081.00	706.14290	(15013009)	630024.00	4278101.00	589.59268	(15021308)
630024.00	4278121.00	570.32697	(15120709)	630024.00	4278141.00	537.86896	(15120709)
630024.00	4278161.00	506.67552	(14011409)	630044.00	4277661.00	675.58629	(16012109)
630044.00	4277681.00	800.12287	(15010109)	630044.00	4277741.00	991.94720	(15010109)
630044.00	4277761.00	960.58198	(16122209)	630044.00	4277781.00	972.39651	(16122209)
630044.00	4277801.00	1003.66291	(15010909)	630044.00	4277821.00	1073.26309	(15010909)
630044.00	4277841.00	1034.09638	(15010909)	630044.00	4277861.00	1006.18189	(17022308)
630044.00	4277881.00	1074.37636	(17022308)	630044.00	4277901.00	1092.78380	(16011409)
630044.00	4277921.00	1065.12962	(16011409)	630044.00	4277941.00	935.31033	(17120108)
630044.00	4277961.00	938.41670	(17120108)	630044.00	4277981.00	923.25927	(15013009)
630044.00	4278001.00	1034.80951	(15013009)	630044.00	4278021.00	1049.81687	(15013009)
630044.00	4278041.00	975.81080	(15013009)	630044.00	4278061.00	840.54945	(15013009)
630044.00	4278081.00	677.56135	(15013009)	630044.00	4278101.00	641.43226	(15120709)
630044.00	4278121.00	603.77227	(15120709)	630044.00	4278141.00	568.36661	(14011409)
630044.00	4278161.00	550.15830	(14011409)	630064.00	4277661.00	705.98077	(15021908)
630064.00	4277741.00	1123.97186	(15010109)	630064.00	4277761.00	1109.42538	(15010109)

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        630064.00   4277781.00     1101.27248  (16122209)              630064.00
4277801.00     1067.98107  (15010909)
        630064.00   4277821.00     1195.59293  (15010909)              630064.00
4277841.00     1195.52100  (15010909)
        630064.00   4277861.00     1109.81294  (17022308)              630064.00
4277881.00     1208.12098  (17022308)
        630064.00   4277901.00     1231.33002  (16011409)              630064.00
4277921.00     1190.71118  (16011409)
        630064.00   4277941.00     1065.10602  (17120108)              630064.00
4277961.00     1037.49753  (17120108)
        630064.00   4277981.00     1114.42215  (15013009)              630064.00
4278001.00     1192.17646  (15013009)
        630064.00   4278021.00     1148.29855  (15013009)              630064.00
4278041.00     1009.70705  (15013009)
        630064.00   4278061.00      821.08150  (15013009)              630064.00
4278081.00      728.62156  (15120709)
        630064.00   4278101.00      684.73925  (15120709)              630064.00
4278121.00      643.68148  (14011409)
        630064.00   4278141.00      617.75107  (14011409)              630064.00
4278161.00      573.87054  (14011409)
        630084.00   4277741.00     1220.11843  (15010109)              630084.00
4277761.00     1292.83935  (15010109)
        630084.00   4277781.00     1243.77510  (15010109)              630084.00
4277801.00     1254.48724  (16122209)
        630084.00   4277821.00     1322.02556  (15010909)              630084.00
4277841.00     1383.36813  (15010909)
        630084.00   4277861.00     1262.50239  (15010909)              630084.00
4277881.00     1371.26261  (17022308)
        630084.00   4277901.00     1402.16137  (16011409)              630084.00
4277921.00     1343.17983  (16011409)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630084.00	4277941.00	1219.12230	(17120108)	630084.00	4277961.00	1160.51601	(15013009)
630084.00	4277981.00	1335.59475	(15013009)	630084.00	4278001.00	1351.38817	(15013009)
630084.00	4278021.00	1224.22247	(15013009)	630084.00	4278041.00	1009.07014	(15013009)
630084.00	4278061.00	838.00752	(15120709)	630084.00	4278081.00	786.13057	(15120709)
630084.00	4278101.00	737.25400	(14011409)	630084.00	4278121.00	700.15271	(14011409)
630084.00	4278141.00	641.43505	(14011409)	630084.00	4278161.00	604.09683	(17121909)
630104.00	4277701.00	940.33277	(15021908)	630104.00	4277721.00	1009.83173	(15010109)
630104.00	4277761.00	1438.75754	(15010109)	630104.00	4277781.00	1501.96028	(15010109)
630104.00	4277801.00	1439.12120	(16122209)	630104.00	4277821.00	1444.50194	(15010909)
630104.00	4277841.00	1599.16159	(15010909)	630104.00	4277861.00	1522.15091	(15010909)
630104.00	4277881.00	1573.29287	(17022308)	630104.00	4277901.00	1617.51561	(16011409)
630104.00	4277921.00	1531.13181	(16011409)	630104.00	4277941.00	1402.93538	(17120108)
630104.00	4277961.00	1457.20040	(15013009)	630104.00	4277981.00	1581.45341	(15013009)
630104.00	4278001.00	1496.30044	(15013009)	630104.00	4278021.00	1260.01419	(15013009)
630104.00	4278041.00	978.04427	(15120709)	630104.00	4278061.00	916.33373	(15120709)
630104.00	4278081.00	856.09956	(14011409)	630104.00	4278101.00	802.35387	(14011409)
630104.00	4278121.00	727.45369	(17121909)	630104.00	4278141.00	686.21124	(17121909)
630104.00	4278161.00	632.17807	(17121909)	630124.00	4277701.00	1026.12321	(15021908)
630124.00	4277721.00	1106.62666	(15021908)	630124.00	4277741.00	1196.12497	(15010109)
630124.00	4277761.00	1505.61564	(15010109)	630124.00	4277821.00	1699.81590	(16122209)
630124.00	4277841.00	1841.28135	(15010909)	630124.00	4277861.00	1848.96657	(15010909)
630124.00	4277881.00	1826.92243	(17022308)	630124.00	4277901.00	1894.45333	(16011409)
630124.00	4277921.00	1766.64286	(16011409)	630124.00	4277941.00	1621.41238	(17120108)
630124.00	4277961.00	1820.02208	(15013009)	630124.00	4277981.00	1837.05517	(15013009)
630124.00	4278001.00	1600.89744	(15013009)	630124.00	4278021.00	1234.55725	(15013009)

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        630124.00   4278041.00     1087.83905  (15120709)              630124.00
4278061.00     1010.84860  (14011409)
        630124.00   4278081.00      931.49053  (14011409)              630124.00
4278101.00      849.25683  (17121909)
        630124.00   4278121.00      784.53093  (17121909)              630124.00
4278141.00      707.11164  (17121909)
        630124.00   4278161.00      625.69693  (17121909)              630144.00
4277681.00     1067.38468  (14121409)
        630144.00   4277701.00     1080.68516  (14121409)              630144.00
4277721.00     1194.17696  (15021908)
        630144.00   4277741.00     1324.44632  (15021908)              630144.00
4277761.00     1449.16439  (15010109)
        630144.00   4277781.00     1855.35998  (15010109)              630144.00
4277841.00     2100.62670  (15010909)
        630144.00   4277861.00     2260.31465  (15010909)              630144.00
4277881.00     2151.02688  (17022308)
        630144.00   4277901.00     2258.45510  (16011409)              630144.00
4277921.00     2067.19854  (16011409)
        630144.00   4277941.00     2017.03503  (15013009)              630144.00
4277961.00     2247.41561  (15013009)
        630144.00   4277981.00     2070.39650  (15013009)              630144.00
4278001.00     1628.83495  (15013009)
        630144.00   4278021.00     1321.29075  (15120709)              630144.00
4278041.00     1218.18932  (14011409)
        630144.00   4278061.00     1098.05890  (14011409)              630144.00
4278081.00     1003.33634  (17121909)
        630144.00   4278101.00      902.60677  (17121909)              630144.00
4278121.00      791.82705  (17121909)
        630144.00   4278141.00      682.23645  (17121909)              630144.00
4278161.00      626.35869  (14011809)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630164.00	4277661.00	1088.07933	(14121409)	630164.00	4277681.00	1202.83269	(14121409)
630164.00	4277701.00	1302.47217	(14121409)	630164.00	4277721.00	1369.95038	(14121409)
630164.00	4277741.00	1405.64150	(15021908)	630164.00	4277761.00	1617.96978	(15021908)
630164.00	4277781.00	1807.92296	(15010109)	630164.00	4277801.00	2361.49316	(15010109)
630164.00	4277861.00	2776.41291	(15010909)	630164.00	4277881.00	2574.49682	(17022308)
630164.00	4277901.00	2749.10717	(16011409)	630164.00	4277921.00	2460.62202	(16011409)
630164.00	4277941.00	2685.74653	(15013009)	630164.00	4277961.00	2716.16498	(15013009)
630164.00	4277981.00	2223.69795	(15013009)	630164.00	4278001.00	1652.84040	(15120709)
630164.00	4278021.00	1507.07935	(14011409)	630164.00	4278041.00	1332.17544	(17121909)
630164.00	4278061.00	1201.50878	(17121909)	630164.00	4278081.00	1044.04281	(17121909)
630164.00	4278101.00	885.06104	(17121909)	630164.00	4278121.00	812.91804	(14011809)
630164.00	4278141.00	787.50638	(14011809)	630164.00	4278161.00	753.55909	(14011809)
630184.00	4277661.00	1039.41957	(14121409)	630184.00	4277681.00	1210.04154	(14121409)
630184.00	4277701.00	1394.22628	(14121409)	630184.00	4277721.00	1580.41507	(14121409)
630184.00	4277741.00	1746.59221	(14121409)	630184.00	4277761.00	1855.29921	(14121409)
630184.00	4277781.00	2027.22254	(15021908)	630184.00	4277801.00	2347.73307	(15010109)
630184.00	4277861.00	3417.17166	(15010909)	630184.00	4277881.00	3400.71140	(15010909)
630184.00	4277901.00	3425.43908	(16011409)	630184.00	4277921.00	3028.44646	(15013009)
630184.00	4277941.00	3555.97727	(15013009)	630184.00	4277961.00	3159.93667	(15013009)
630184.00	4277981.00	2205.17515	(15013009)	630184.00	4278001.00	1931.02281	(14011409)
630184.00	4278021.00	1693.44535	(17121909)	630184.00	4278041.00	1459.67128	(17121909)
630184.00	4278061.00	1211.04986	(17121909)	630184.00	4278081.00	1106.91949	(14011809)
630184.00	4278101.00	1049.63183	(14011809)	630184.00	4278121.00	982.09254	(14011809)
630184.00	4278141.00	911.09597	(14011809)	630184.00	4278161.00	840.77055	(14011809)
630204.00	4277661.00	1033.49849	(18122109)	630204.00	4277681.00	1117.88018	(18122109)

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        630204.00   4277701.00     1297.19291  (14121409)              630204.00
4277721.00     1570.61950  (14121409)
        630204.00   4277741.00     1885.04901  (14121409)              630204.00
4277761.00     2221.74646  (14121409)
        630204.00   4277781.00     2532.83026  (14121409)              630204.00
4277801.00     2719.18417  (14121409)
        630204.00   4277821.00     3234.26168  (15010109)              630204.00
4277901.00     4352.79737  (16011409)
        630204.00   4277921.00     4447.05934  (15013009)              630204.00
4277941.00     4641.49172  (15013009)
        630204.00   4277961.00     3417.94746  (15013009)              630204.00
4277981.00     2652.11131  (15020308)
        630204.00   4278001.00     2226.49223  (17121909)              630204.00
4278021.00     1796.96483  (17121909)
        630204.00   4278041.00     1618.74212  (14011809)              630204.00
4278061.00     1483.03994  (14011809)
        630204.00   4278081.00     1340.38518  (14011809)              630204.00
4278101.00     1203.41798  (14011809)
        630204.00   4278121.00     1077.49313  (14011809)              630204.00
4278141.00      964.24243  (14011809)
        630204.00   4278161.00      863.84224  (14011809)              630224.00
4277661.00     1086.67330  (18122109)
        630224.00   4277681.00     1222.52864  (18122109)              630224.00
4277701.00     1378.91916  (18122109)
        630224.00   4277721.00     1557.58474  (18122109)              630224.00
4277741.00     1758.39340  (18122109)
        630224.00   4277761.00     2156.78045  (14121409)              630224.00
4277781.00     2766.31646  (14121409)
        630224.00   4277801.00     3487.11338  (14121409)              630224.00
4277821.00     4194.43606  (14121409)
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630224.00	4277901.00	6162.84685	(15010108)	630224.00	4277921.00	6451.37827	(15013009)
630224.00	4277941.00	5858.32484	(15013009)	630224.00	4277961.00	3996.08412	(15020308)
630224.00	4277981.00	3045.84060	(17121909)	630224.00	4278001.00	2662.79047	(14011809)
630224.00	4278021.00	2292.00040	(14011809)	630224.00	4278041.00	1953.69950	(14011809)
630224.00	4278061.00	1665.01459	(14011809)	630224.00	4278081.00	1424.57552	(14011809)
630224.00	4278101.00	1225.68752	(14011809)	630224.00	4278121.00	1061.26691	(14011809)
630224.00	4278141.00	924.77130	(14011809)	630224.00	4278161.00	836.31106	(14011309)
630244.00	4277701.00	1407.34382	(16010809)	630244.00	4277721.00	1602.73618	(16010809)
630244.00	4277741.00	1847.10602	(16010809)	630244.00	4277761.00	2211.14020	(18122109)
630244.00	4277781.00	2690.65048	(18122109)	630244.00	4277801.00	3306.99837	(18122109)
630244.00	4277821.00	4641.72609	(14121409)	630244.00	4277841.00	6635.95849	(14121409)
630244.00	4277941.00	6697.14505	(14011408)	630244.00	4277961.00	5490.48249	(14011809)
630244.00	4277981.00	4122.83819	(14011809)	630244.00	4278001.00	3138.11766	(14011809)
630244.00	4278021.00	2443.76717	(14011809)	630244.00	4278041.00	1945.43014	(14011809)
630244.00	4278061.00	1640.54618	(14011309)	630244.00	4278081.00	1408.82769	(14011309)
630244.00	4278101.00	1225.39455	(14011309)	630244.00	4278121.00	1077.74788	(14011309)
630244.00	4278141.00	956.91528	(14011309)	630244.00	4278161.00	856.60618	(14011309)
630264.00	4277741.00	1987.59359	(16010809)	630264.00	4277761.00	2387.23364	(16010809)
630264.00	4277781.00	2946.10332	(16010809)	630264.00	4277801.00	3768.05831	(16010809)
630264.00	4277821.00	5053.01291	(16010809)	630264.00	4277841.00	7103.95513	(16010809)
630264.00	4277941.00	7852.98268	(14010108)	630264.00	4277961.00	5844.11661	(14011309)
630264.00	4277981.00	4179.46107	(14010109)	630264.00	4278001.00	3171.55774	(14010109)
630264.00	4278021.00	2508.41512	(14010109)	630264.00	4278041.00	2049.60504	(14010109)
630264.00	4278061.00	1717.26270	(14010109)	630264.00	4278081.00	1467.87205	(14010109)
630264.00	4278101.00	1274.87855	(14010109)	630264.00	4278121.00	1121.75372	(14010109)

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        630264.00   4278141.00      997.81319  (14010109)              630264.00
4278161.00      895.68182  (14010109)
        630284.00   4277661.00     1071.85075  (15022508)              630284.00
4277681.00     1207.05177  (15022508)
        630284.00   4277801.00     3248.98032  (15022508)              630284.00
4277821.00     4197.49082  (15120708)
        630284.00   4277841.00     5519.81635  (15120708)              630284.00
4277941.00     7026.08296  (14010108)
        630284.00   4277961.00     4926.93383  (14010109)              630284.00
4277981.00     3741.35831  (14010109)
        630284.00   4278001.00     2929.13857  (14010109)              630284.00
4278021.00     2366.16064  (14010109)
        630284.00   4278041.00     1961.90891  (14010109)              630284.00
4278061.00     1661.36556  (14010109)
        630284.00   4278081.00     1431.09699  (14010109)              630284.00
4278101.00     1250.25703  (14010109)
        630284.00   4278121.00     1105.28433  (14010109)              630284.00
4278141.00      986.79209  (14010109)
        630284.00   4278161.00      888.47471  (14010109)              630304.00
4277661.00     1065.00589  (17121516)
        630304.00   4277681.00     1185.34548  (17121516)              630304.00
4277701.00     1325.20164  (17121516)
        630304.00   4277721.00     1487.10964  (17121516)              630324.00
4277661.00      952.00833  (14011508)
        630324.00   4277681.00     1058.29255  (15012208)              630324.00
4277701.00     1194.68574  (16021208)
        630324.00   4277721.00     1410.44650  (16021208)              630324.00
4277741.00     1659.81093  (16021208)
        630324.00   4277761.00     1934.14634  (16021208)              630324.00
4277781.00     2238.07480  (16021108)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630344.00	4277661.00	953.94966	(16021208)	630344.00	4277681.00	1082.52459	(16021208)
630344.00	4277701.00	1220.40588	(16021208)	630344.00	4277721.00	1360.08958	(16021208)
630344.00	4277741.00	1519.73962	(16021108)	630344.00	4277761.00	1736.44162	(16021108)
630344.00	4277781.00	1907.06823	(16021108)	630344.00	4277801.00	2254.44440	(15011209)
630344.00	4277821.00	2913.81669	(15011209)	630344.00	4277881.00	3700.27390	(17011609)
630344.00	4277901.00	3700.26198	(14120716)	630344.00	4277921.00	4141.70549	(15011709)
630344.00	4277941.00	3906.15189	(14012809)	630344.00	4277961.00	3576.47129	(14012809)
630344.00	4277981.00	2625.40326	(14012809)	630344.00	4278001.00	2006.17033	(17121908)
630344.00	4278021.00	1687.21369	(17121908)	630344.00	4278041.00	1365.71901	(17121908)
630344.00	4278061.00	1183.00113	(15010709)	630344.00	4278081.00	1071.51247	(15010709)
630344.00	4278101.00	957.30507	(15010709)	630344.00	4278121.00	848.74101	(15010709)
630344.00	4278141.00	749.53021	(15010709)	630344.00	4278161.00	661.07444	(15010709)
630364.00	4277661.00	943.21311	(16021208)	630364.00	4277681.00	1021.99383	(16021208)
630364.00	4277701.00	1122.91332	(16021108)	630364.00	4277721.00	1252.22118	(16021108)
630364.00	4277741.00	1359.07982	(16021108)	630364.00	4277761.00	1525.80925	(18021708)
630364.00	4277781.00	1750.68439	(15011209)	630364.00	4277801.00	2175.53101	(15011209)
630364.00	4277821.00	2401.97445	(15011209)	630364.00	4277881.00	2827.61492	(17011609)
630364.00	4277901.00	2940.44216	(14120716)	630364.00	4277921.00	3069.25740	(15011709)
630364.00	4277941.00	3071.10046	(15011709)	630364.00	4277961.00	2919.75794	(14012809)
630364.00	4277981.00	2521.42367	(14012809)	630364.00	4278001.00	1878.22214	(14012809)
630364.00	4278021.00	1518.66919	(17121908)	630364.00	4278041.00	1341.55259	(17121908)
630364.00	4278061.00	1142.68546	(17121908)	630364.00	4278081.00	951.33882	(17121908)
630364.00	4278101.00	869.82869	(15010709)	630364.00	4278121.00	808.47355	(15010709)
630364.00	4278141.00	742.30412	(15010709)	630364.00	4278161.00	676.03123	(15010709)
630384.00	4277661.00	876.10863	(16021108)	630384.00	4277681.00	960.66113	(16021108)

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        630384.00   4277701.00     1032.26484  (16021108)              630384.00
4277721.00     1106.86352  (18021708)
        630384.00   4277741.00     1249.25073  (18021708)              630384.00
4277761.00     1413.94472  (15011209)
        630384.00   4277781.00     1707.06642  (15011209)              630384.00
4277801.00     1880.57353  (15011209)
        630384.00   4277821.00     1828.54227  (15011209)              630384.00
4277881.00     2220.57878  (17011609)
        630384.00   4277901.00     2391.76382  (14120716)              630384.00
4277921.00     2340.48812  (15011709)
        630384.00   4277941.00     2499.27051  (15011709)              630384.00
4277961.00     2291.18108  (14012809)
        630384.00   4277981.00     2230.31769  (14012809)              630384.00
4278001.00     1881.92756  (14012809)
        630384.00   4278021.00     1424.80769  (14012809)              630384.00
4278041.00     1199.08146  (17121908)
        630384.00   4278061.00     1095.64008  (17121908)              630384.00
4278081.00      967.66097  (17121908)
        630384.00   4278101.00      835.16013  (17121908)              630384.00
4278121.00      723.48695  (18011709)
        630384.00   4278141.00      674.22165  (15010709)              630384.00
4278161.00      637.61838  (15010709)
        630404.00   4277661.00      819.65939  (16021108)              630404.00
4277681.00      870.47197  (16120909)
        630404.00   4277701.00      952.38604  (18021708)              630404.00
4277721.00     1042.45423  (18021708)
        630404.00   4277741.00     1175.27590  (15011209)              630404.00
4277761.00     1388.15441  (15011209)
        630404.00   4277781.00     1522.16567  (15011209)              630404.00
4277801.00     1514.21735  (15011209)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630404.00	4277821.00	1509.27347	(14022408)	630404.00	4277881.00	1806.06752	(14120716)
630404.00	4277901.00	1990.07467	(14120716)	630404.00	4277921.00	1828.12894	(15011709)
630404.00	4277941.00	2047.64385	(15011709)	630404.00	4277961.00	1930.86189	(15011709)
630404.00	4277981.00	1880.88306	(14012809)	630404.00	4278001.00	1751.50173	(14012809)
630404.00	4278021.00	1464.38492	(14012809)	630404.00	4278041.00	1130.59040	(16022708)
630404.00	4278061.00	979.26436	(14120816)	630404.00	4278081.00	913.97798	(17121908)
630404.00	4278101.00	829.34809	(17121908)	630404.00	4278121.00	735.88346	(17121908)
630404.00	4278141.00	642.31688	(17121908)	630404.00	4278161.00	578.64771	(18011709)
630424.00	4277661.00	748.77696	(18021708)	630424.00	4277681.00	826.80814	(18021708)
630424.00	4277701.00	883.89005	(18021708)	630424.00	4277721.00	998.43122	(15011209)
630424.00	4277741.00	1159.22713	(15011209)	630424.00	4277761.00	1264.99962	(15011209)
630424.00	4277781.00	1275.50301	(15011209)	630424.00	4277801.00	1275.08389	(14022408)
630424.00	4277821.00	1236.36620	(15012009)	630424.00	4277881.00	1552.31125	(14120716)
630424.00	4277901.00	1688.08544	(14120716)	630424.00	4277921.00	1518.71660	(14120716)
630424.00	4277941.00	1691.11157	(15011709)	630424.00	4277961.00	1685.79355	(15011709)
630424.00	4277981.00	1541.67295	(14012809)	630424.00	4278001.00	1554.17329	(14012809)
630424.00	4278021.00	1410.41865	(14012809)	630424.00	4278041.00	1175.93847	(14012809)
630424.00	4278061.00	938.91848	(16022708)	630424.00	4278081.00	835.34669	(14120816)
630424.00	4278101.00	775.84499	(17121908)	630424.00	4278121.00	718.80816	(17121908)
630424.00	4278141.00	651.80194	(17121908)	630424.00	4278161.00	581.52622	(17121908)
630444.00	4277661.00	723.96186	(18021708)	630444.00	4277681.00	759.78999	(18021708)
630444.00	4277701.00	863.09678	(15011209)	630444.00	4277721.00	988.29213	(15011209)
630444.00	4277741.00	1073.37157	(15011209)	630444.00	4277761.00	1091.45424	(15011209)
630444.00	4277781.00	1079.17761	(14022408)	630444.00	4277801.00	1084.14668	(14022408)
630444.00	4277821.00	1118.68161	(15021508)	630444.00	4277881.00	1352.44750	(14120716)

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        630444.00   4277901.00     1454.21909  (14120716)              630444.00
4277921.00     1325.90315  (14120716)
        630444.00   4277941.00     1408.91989  (15011709)              630444.00
4277961.00     1466.04331  (15011709)
        630444.00   4277981.00     1351.60837  (15011709)              630444.00
4278001.00     1336.26329  (14012809)
        630444.00   4278021.00     1298.51551  (14012809)              630444.00
4278041.00     1160.02265  (14012809)
        630444.00   4278061.00      967.40021  (14012809)              630444.00
4278081.00      796.07208  (16022708)
        630444.00   4278101.00      724.08197  (14120816)              630444.00
4278121.00      668.19507  (17121908)
        630444.00   4278141.00      629.18751  (17121908)              630444.00
4278161.00      580.58846  (17121908)
        630464.00   4277661.00      660.69002  (18021708)              630464.00
4277681.00      756.51558  (15011209)
        630464.00   4277701.00      856.52046  (15011209)              630464.00
4277721.00      926.32073  (15011209)
        630464.00   4277741.00      947.04869  (15011209)              630464.00
4277761.00      919.33668  (14022408)
        630464.00   4277781.00      955.02045  (14022408)              630464.00
4277801.00      922.20809  (15012009)
        630464.00   4277821.00     1020.00719  (17011609)              630464.00
4277881.00     1191.50424  (14120716)
        630464.00   4277901.00     1271.17180  (14120716)              630464.00
4277921.00     1171.65663  (14120716)
        630464.00   4277941.00     1194.61228  (15120816)              630464.00
4277961.00     1273.93045  (15011709)
        630464.00   4277981.00     1228.55058  (15011709)              630464.00
4278001.00     1125.02433  (14012809)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630464.00	4278021.00	1157.97507	(14012809)	630464.00	4278041.00	1097.84979	(14012809)
630464.00	4278061.00	971.33851	(14012809)	630464.00	4278081.00	811.53233	(14012809)
630464.00	4278101.00	686.54397	(16022708)	630464.00	4278121.00	635.95507	(14120816)
630464.00	4278141.00	582.47322	(17121908)	630464.00	4278161.00	555.58558	(17121908)
630484.00	4277661.00	670.67578	(15011209)	630484.00	4277681.00	752.36448	(15011209)
630484.00	4277701.00	810.52441	(15011209)	630484.00	4277721.00	831.67622	(15011209)
630484.00	4277741.00	805.25089	(15011209)	630484.00	4277761.00	839.57355	(14022408)
630484.00	4277781.00	822.47432	(14022408)	630484.00	4277801.00	840.16793	(15021508)
630484.00	4277821.00	943.76987	(17011609)	630484.00	4277881.00	1060.96627	(14120716)
630484.00	4277901.00	1124.13372	(14120716)	630484.00	4277921.00	1044.82326	(14120716)
630484.00	4277941.00	1046.04156	(15120816)	630484.00	4277961.00	1108.56350	(15011709)
630484.00	4277981.00	1108.74588	(15011709)	630484.00	4278001.00	1012.65089	(15011709)
630484.00	4278021.00	1009.53745	(14012809)	630484.00	4278041.00	1007.34776	(14012809)
630484.00	4278061.00	938.77990	(14012809)	630484.00	4278081.00	825.73693	(14012809)
630484.00	4278101.00	693.24758	(16022708)	630484.00	4278121.00	600.07634	(16022708)
630484.00	4278141.00	564.29594	(14120816)	630484.00	4278161.00	514.21138	(14120816)
630504.00	4277661.00	668.06140	(15011209)	630504.00	4277681.00	717.31555	(15011209)
630504.00	4277701.00	737.85545	(15011209)	630504.00	4277721.00	721.85714	(15011209)
630504.00	4277741.00	739.38197	(14022408)	630504.00	4277761.00	746.04098	(14022408)
630504.00	4277781.00	722.55742	(15012009)	630504.00	4277801.00	778.88579	(15021508)
630504.00	4277821.00	869.42374	(17011609)	630504.00	4277881.00	952.82591	(14120716)
630504.00	4277901.00	1003.54535	(14120716)	630504.00	4277921.00	939.57361	(14120716)
630504.00	4277941.00	920.56634	(15120816)	630504.00	4277961.00	966.95259	(15011709)
630504.00	4277981.00	996.37054	(15011709)	630504.00	4278001.00	944.00952	(15011709)
630504.00	4278021.00	866.10182	(14012809)	630504.00	4278041.00	903.16188	(14012809)

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        630504.00   4278061.00      881.03211  (14012809)              630504.00
4278081.00      811.22846  (14012809)
        630504.00   4278101.00      710.95387  (14012809)              630504.00
4278121.00      608.92883  (16022708)
        630504.00   4278141.00      531.82421  (14120816)              630504.00
4278161.00      505.36018  (14120816)
        630524.00   4277661.00      640.87827  (15011209)              630524.00
4277681.00      660.44344  (15011209)
        630524.00   4277701.00      651.34659  (15011209)              630524.00
4277721.00      653.32681  (14022408)
        630524.00   4277741.00      674.01567  (14022408)              630524.00
4277761.00      649.50897  (14022408)
        630524.00   4277781.00      660.11768  (15021508)              630524.00
4277801.00      723.02545  (17011609)
        630524.00   4277821.00      799.12953  (17011609)              630524.00
4277881.00      861.98732  (14120716)
        630524.00   4277901.00      903.40416  (14120716)              630524.00
4277921.00      850.97594  (14120716)
        630524.00   4277941.00      814.21724  (15120816)              630524.00
4277961.00      851.58234  (15120816)
        630524.00   4277981.00      893.58636  (15011709)              630524.00
4278001.00      873.25230  (15011709)
        630524.00   4278021.00      794.64091  (15011709)              630524.00
4278041.00      795.98266  (14012809)
        630524.00   4278061.00      808.13223  (14012809)              630524.00
4278081.00      775.08614  (14012809)
        630524.00   4278101.00      707.46890  (14012809)              630524.00
4278121.00      618.82531  (14012809)
        630524.00   4278141.00      540.25103  (16022708)              630524.00
4278161.00      477.25834  (14120816)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630024.00	4278211.00	452.29379	(14011409)	630024.00	4278261.00	398.68008	(17121909)
630024.00	4278311.00	338.92657	(17121909)	630024.00	4278361.00	272.10653	(17121909)
630024.00	4278411.00	240.22000	(15110208)	630024.00	4278461.00	224.14600	(14011809)
630024.00	4278511.00	222.14251	(14011809)	630024.00	4278561.00	215.49544	(14011809)
630024.00	4278611.00	205.74028	(14011809)	630024.00	4278711.00	181.59439	(14011809)
630024.00	4278761.00	168.91799	(14011809)	630024.00	4278811.00	156.40830	(14011809)
630024.00	4278861.00	144.40501	(14011809)	630024.00	4278911.00	133.05919	(14011809)
630074.00	4278211.00	498.52631	(17121909)	630074.00	4278261.00	391.09692	(17121909)
630074.00	4278311.00	326.41549	(15110208)	630074.00	4278361.00	314.69588	(14011809)
630074.00	4278411.00	302.80770	(14011809)	630074.00	4278461.00	284.70493	(14011809)
630074.00	4278511.00	263.46198	(14011809)	630074.00	4278561.00	241.41675	(14011809)
630074.00	4278611.00	219.74972	(14011809)	630074.00	4278711.00	180.26005	(14011809)
630074.00	4278761.00	162.76964	(14011809)	630074.00	4278811.00	146.98955	(14011809)
630074.00	4278861.00	132.67551	(14011809)	630074.00	4278911.00	122.25104	(14011309)
630124.00	4278211.00	498.43610	(14011809)	630124.00	4278261.00	475.13370	(14011809)
630124.00	4278311.00	435.13149	(14011809)	630124.00	4278361.00	389.65804	(14011809)
630124.00	4278411.00	344.77261	(14011809)	630124.00	4278461.00	303.22530	(14011809)
630124.00	4278511.00	266.09883	(14011809)	630124.00	4278561.00	233.33373	(14011809)
630124.00	4278611.00	204.78786	(14011809)	630124.00	4278711.00	172.15729	(14011309)
630124.00	4278761.00	161.30642	(14011309)	630124.00	4278811.00	151.20215	(14011309)
630124.00	4278861.00	141.87043	(14011309)	630124.00	4278911.00	133.26802	(14011309)
630174.00	4278211.00	672.26079	(14011809)	630174.00	4278261.00	555.35651	(14011809)
630174.00	4278311.00	458.37257	(14011809)	630174.00	4278361.00	379.88861	(14011809)
630174.00	4278411.00	324.21052	(14011309)	630174.00	4278461.00	291.71964	(14011309)
630174.00	4278511.00	263.37123	(14011309)	630174.00	4278561.00	238.72509	(14011309)

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        630174.00   4278611.00      217.30968  (14011309)              630174.00
4278711.00      182.19492  (14011309)
        630174.00   4278761.00      167.62238  (14011309)              630174.00
4278811.00      154.76715  (14011309)
        630174.00   4278861.00      143.43795  (14011309)              630174.00
4278911.00      133.24148  (14011309)
        630224.00   4278211.00      670.80309  (14011309)              630224.00
4278261.00      550.82131  (14011309)
        630224.00   4278311.00      461.37814  (14011309)              630224.00
4278361.00      392.97408  (14011309)
        630224.00   4278411.00      339.39754  (14011309)              630224.00
4278461.00      296.35117  (14011309)
        630224.00   4278511.00      261.49103  (14011309)              630224.00
4278561.00      232.84976  (14011309)
        630224.00   4278611.00      208.77720  (14011309)              630224.00
4278711.00      175.80991  (14010109)
        630224.00   4278761.00      162.84447  (14010109)              630224.00
4278811.00      151.29618  (14010109)
        630224.00   4278861.00      141.09484  (14010109)              630224.00
4278911.00      132.06255  (14010109)
        630274.00   4278211.00      712.27342  (14010109)              630274.00
4278261.00      581.49099  (14010109)
        630274.00   4278311.00      487.16781  (14010109)              630274.00
4278361.00      416.47923  (14010109)
        630274.00   4278411.00      361.87943  (14010109)              630274.00
4278461.00      318.48496  (14010109)
        630274.00   4278511.00      283.26784  (14010109)              630274.00
4278561.00      254.30049  (14010109)
        630274.00   4278611.00      230.12182  (14010109)              630274.00
4278711.00      192.17440  (14010109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630274.00	4278761.00	177.06760	(14010109)	630274.00	4278811.00	163.88538	(14010109)
630274.00	4278861.00	152.30064	(14010109)	630274.00	4278911.00	142.06563	(14010109)
630374.00	4278211.00	533.28928	(15010709)	630374.00	4278261.00	423.96885	(14011808)
630374.00	4278311.00	353.51897	(14011808)	630374.00	4278361.00	302.63264	(16120608)
630374.00	4278411.00	270.85322	(16120608)	630374.00	4278461.00	242.79926	(16120608)
630374.00	4278511.00	218.34175	(16120608)	630374.00	4278561.00	197.19414	(16120608)
630374.00	4278611.00	179.27321	(18021408)	630374.00	4278711.00	153.77573	(18021408)
630374.00	4278761.00	143.79818	(14010109)	630374.00	4278811.00	135.77163	(14010109)
630374.00	4278861.00	128.22621	(14010109)	630374.00	4278911.00	121.48211	(14010109)
630424.00	4278211.00	456.91633	(18011709)	630424.00	4278261.00	415.58276	(15010709)
630424.00	4278311.00	363.53413	(15010709)	630424.00	4278361.00	310.69878	(15010709)
630424.00	4278411.00	262.70728	(14011808)	630424.00	4278461.00	231.79050	(14011808)
630424.00	4278511.00	203.99724	(14011808)	630424.00	4278561.00	180.29807	(16120608)
630424.00	4278611.00	168.08655	(16120608)	630424.00	4278711.00	145.67270	(16120608)
630424.00	4278761.00	135.64885	(16120608)	630424.00	4278811.00	126.48538	(16120608)
630424.00	4278861.00	118.01235	(16120608)	630424.00	4278911.00	110.26884	(16120608)
630474.00	4278211.00	457.75258	(17121908)	630474.00	4278261.00	363.51105	(18011709)
630474.00	4278311.00	311.77560	(18011709)	630474.00	4278361.00	290.75168	(15010709)
630474.00	4278411.00	266.35705	(15010709)	630474.00	4278461.00	238.52297	(15010709)
630474.00	4278511.00	210.59156	(15010709)	630474.00	4278561.00	184.20382	(14011808)
630474.00	4278611.00	167.65296	(14011808)	630474.00	4278711.00	137.61266	(14011808)
630474.00	4278761.00	124.33317	(14011808)	630474.00	4278811.00	117.11323	(16120608)
630474.00	4278861.00	111.30189	(16120608)	630474.00	4278911.00	105.76793	(16120608)
630524.00	4278211.00	404.96789	(17121908)	630524.00	4278261.00	367.28515	(17121908)
630524.00	4278311.00	310.09552	(17121908)	630524.00	4278361.00	263.33299	(18011709)

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        630524.00   4278411.00      231.03409  (18011709)              630524.00
4278461.00      217.67301  (15010709)
        630524.00   4278511.00      205.14937  (15010709)              630524.00
4278561.00      189.44662  (15010709)
        630524.00   4278611.00      172.41153  (15010709)              630524.00
4278711.00      138.90685  (15010709)
        630524.00   4278761.00      128.90565  (14011808)              630524.00
4278811.00      119.17880  (14011808)
        630524.00   4278861.00      109.90604  (14011808)              630524.00
4278911.00      101.16457  (14011808)
        630574.00   4278211.00      375.85656  (14120816)              630574.00
4278261.00      330.45360  (14120816)
        630574.00   4278311.00      300.51776  (17121908)              630574.00
4278361.00      266.11251  (17121908)
        630574.00   4278411.00      224.96834  (17121908)              630574.00
4278461.00      202.49107  (18011709)
        630574.00   4278511.00      180.53064  (18011709)              630574.00
4278561.00      170.57295  (15010709)
        630574.00   4278611.00      163.92560  (15010709)              630574.00
4278711.00      143.83121  (15010709)
        630574.00   4278761.00      132.43200  (15010709)              630574.00
4278811.00      121.03621  (15010709)
        630574.00   4278861.00      109.87150  (14011808)              630574.00
4278911.00      103.31236  (14011808)
        630624.00   4278211.00      376.70635  (16022708)              630624.00
4278261.00      306.43875  (14120816)
        630624.00   4278311.00      276.66573  (14120816)              630624.00
4278361.00      250.26615  (17121908)
        630624.00   4278411.00      229.54189  (17121908)              630624.00
4278461.00      201.58555  (17121908)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630624.00	4278511.00	175.30937	(18011709)	630624.00	4278561.00	162.23868	(18011709)
630624.00	4278611.00	146.37791	(18011709)	630624.00	4278711.00	134.60052	(15010709)
630624.00	4278761.00	128.91563	(15010709)	630624.00	4278811.00	121.92820	(15010709)
630624.00	4278861.00	114.17230	(15010709)	630624.00	4278911.00	106.05322	(15010709)
630674.00	4278211.00	384.51206	(14012809)	630674.00	4278261.00	308.40901	(16022708)
630674.00	4278311.00	256.43853	(14120816)	630674.00	4278361.00	236.05549	(14120816)
630674.00	4278411.00	211.64958	(17121908)	630674.00	4278461.00	199.35873	(17121908)
630674.00	4278511.00	180.35033	(17121908)	630674.00	4278561.00	158.01291	(17121908)
630674.00	4278611.00	144.04798	(18011709)	630674.00	4278711.00	121.98541	(18011709)
630674.00	4278761.00	114.81882	(15010709)	630674.00	4278811.00	112.96066	(15010709)
630674.00	4278861.00	109.48197	(15010709)	630674.00	4278911.00	104.81644	(15010709)
630724.00	4278211.00	362.07857	(14012809)	630724.00	4278261.00	312.30206	(14012809)
630724.00	4278311.00	258.07233	(16022708)	630724.00	4278361.00	218.94425	(14120816)
630724.00	4278411.00	204.57403	(14120816)	630724.00	4278461.00	181.34251	(17121908)
630724.00	4278511.00	174.44044	(17121908)	630724.00	4278561.00	161.57492	(17121908)
630724.00	4278611.00	145.20023	(17121908)	630724.00	4278711.00	121.17419	(18011709)
630724.00	4278761.00	113.14858	(18011709)	630724.00	4278811.00	103.82416	(18011709)
630724.00	4278861.00	97.23666	(15010709)	630724.00	4278911.00	96.38087	(15010709)
630774.00	4278211.00	319.95677	(14012809)	630774.00	4278261.00	305.31400	(14012809)
630774.00	4278311.00	257.96145	(14012809)	630774.00	4278361.00	219.78445	(16022708)
630774.00	4278411.00	189.92500	(14120816)	630774.00	4278461.00	179.59426	(14120816)
630774.00	4278511.00	159.03733	(15011708)	630774.00	4278561.00	153.73655	(17121908)
630774.00	4278611.00	145.12779	(17121908)	630774.00	4278711.00	119.29841	(17121908)
630774.00	4278761.00	108.87133	(18011709)	630774.00	4278811.00	103.84391	(18011709)
630774.00	4278861.00	97.31239	(18011709)	630774.00	4278911.00	89.83770	(18011709)

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        630824.00   4278211.00      269.94229  (14012809)              630824.00
4278261.00      281.07074  (14012809)
        630824.00   4278311.00      259.39936  (14012809)              630824.00
4278361.00      216.15291  (14012809)
        630824.00   4278411.00      189.93508  (16022708)              630824.00
4278461.00      167.01074  (14120816)
        630824.00   4278511.00      159.32409  (14120816)              630824.00
4278561.00      143.03108  (14120816)
        630824.00   4278611.00      136.39651  (17121908)              630824.00
4278711.00      122.08919  (17121908)
        630824.00   4278761.00      111.40040  (17121908)              630824.00
4278811.00       99.64771  (17121908)
        630824.00   4278861.00       94.63796  (18011709)              630824.00
4278911.00       90.31593  (18011709)
        630874.00   4278211.00      220.25912  (14012809)              630874.00
4278261.00      247.41946  (14012809)
        630874.00   4278311.00      246.59085  (14012809)              630874.00
4278361.00      222.16964  (14012809)
        630874.00   4278411.00      188.71656  (16022708)              630874.00
4278461.00      166.11862  (16022708)
        630874.00   4278511.00      148.41271  (14120816)              630874.00
4278561.00      142.67424  (14120816)
        630874.00   4278611.00      129.80955  (14120816)              630874.00
4278711.00      118.28997  (17121908)
        630874.00   4278761.00      112.02567  (17121908)              630874.00
4278811.00      103.81673  (17121908)
        630874.00   4278861.00       94.39474  (17121908)              630874.00
4278911.00       85.85620  (18011709)
        630924.00   4278211.00      209.04835  (15011709)              630924.00
4278261.00      210.35828  (14012809)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630924.00	4278311.00	224.52274	(14012809)	630924.00	4278361.00	216.65292	(14012809)
630924.00	4278411.00	191.70479	(14012809)	630924.00	4278461.00	166.97677	(16022708)
630924.00	4278511.00	146.73080	(16022708)	630924.00	4278561.00	133.10189	(14120816)
630924.00	4278611.00	128.77098	(14120816)	630924.00	4278711.00	109.27697	(17121908)
630924.00	4278761.00	107.37604	(17121908)	630924.00	4278811.00	102.94326	(17121908)
630924.00	4278861.00	96.67920	(17121908)	630924.00	4278911.00	89.16013	(17121908)
630974.00	4278211.00	204.38866	(15011709)	630974.00	4278261.00	174.28993	(14012809)
630974.00	4278311.00	197.53786	(14012809)	630974.00	4278361.00	202.72310	(14012809)
630974.00	4278411.00	190.89729	(14012809)	630974.00	4278461.00	166.64967	(14012809)
630974.00	4278511.00	148.92859	(16022708)	630974.00	4278561.00	130.75118	(16022708)
630974.00	4278611.00	120.32821	(14120816)	630974.00	4278711.00	108.72425	(14120816)
630974.00	4278761.00	98.69275	(15011708)	630974.00	4278811.00	97.81653	(17121908)
630974.00	4278861.00	94.76076	(17121908)	630974.00	4278911.00	90.03001	(17121908)
631024.00	4278211.00	196.24236	(15011709)	631024.00	4278261.00	168.48500	(15011709)
631024.00	4278311.00	169.12185	(14012809)	631024.00	4278361.00	183.56284	(14012809)
631024.00	4278411.00	182.71400	(14012809)	631024.00	4278461.00	168.83558	(14012809)
631024.00	4278511.00	145.84315	(14012809)	631024.00	4278561.00	133.78746	(16022708)
631024.00	4278611.00	117.39094	(16022708)	631024.00	4278711.00	106.98579	(14120816)
631024.00	4278761.00	100.22936	(14120816)	631024.00	4278811.00	91.51083	(15011708)
631024.00	4278861.00	89.39297	(17121908)	631024.00	4278911.00	87.42257	(17121908)
631074.00	4278211.00	185.61841	(15011709)	631074.00	4278261.00	166.73781	(15011709)
631074.00	4278311.00	141.89589	(14012809)	631074.00	4278361.00	161.71870	(14012809)
631074.00	4278411.00	169.40172	(14012809)	631074.00	4278461.00	164.62936	(14012809)
631074.00	4278511.00	149.85884	(14012809)	631074.00	4278561.00	130.74744	(16022708)
631074.00	4278611.00	120.88383	(16022708)	631074.00	4278711.00	100.27445	(14120816)

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        631074.00   4278761.00       98.33301  (14120816)              631074.00
4278811.00       92.78081  (14120816)
        631074.00   4278861.00       85.15826  (15011708)              631074.00
4278911.00       81.96238  (17121908)
        631124.00   4278211.00      173.79680  (15011709)              631124.00
4278261.00      162.29600  (15011709)
        631124.00   4278311.00      139.31046  (15011709)              631124.00
4278361.00      139.37376  (14012809)
        631124.00   4278411.00      152.96629  (14012809)              631124.00
4278461.00      155.72295  (14012809)
        631124.00   4278511.00      148.54230  (14012809)              631124.00
4278561.00      133.51387  (14012809)
        631124.00   4278611.00      119.28767  (16022708)              631124.00
4278711.00       96.42986  (16022708)
        631124.00   4278761.00       92.29223  (14120816)              631124.00
4278811.00       90.79450  (14120816)
        631124.00   4278861.00       86.17890  (14120816)              631124.00
4278911.00       79.46153  (15011708)
        631174.00   4278211.00      161.29292  (15011709)              631174.00
4278261.00      155.88821  (15011709)
        631174.00   4278311.00      139.09749  (15011709)              631174.00
4278361.00      118.15502  (14012809)
        631174.00   4278411.00      135.03213  (14012809)              631174.00
4278461.00      143.61686  (14012809)
        631174.00   4278511.00      142.90373  (14012809)              631174.00
4278561.00      134.18883  (14012809)
        631174.00   4278611.00      119.48158  (14012809)              631174.00
4278711.00      100.26946  (16022708)
        631174.00   4278761.00       88.09442  (16022708)              631174.00
4278811.00       85.34524  (14120816)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
631174.00	4278861.00	84.18854	(14120816)	631174.00	4278911.00	80.33817	(14120816)
631224.00	4278211.00	148.84967	(15011709)	631224.00	4278261.00	148.13417	(15011709)
631224.00	4278311.00	136.77579	(15011709)	631224.00	4278361.00	117.52281	(15011709)
631224.00	4278411.00	117.15811	(14012809)	631224.00	4278461.00	129.47707	(14012809)
631224.00	4278511.00	134.10565	(14012809)	631224.00	4278561.00	131.00089	(14012809)
631224.00	4278611.00	121.46335	(14012809)	631224.00	4278711.00	100.49100	(16022708)
631224.00	4278761.00	91.96437	(16022708)	631224.00	4278811.00	80.85436	(16022708)
631224.00	4278861.00	79.23511	(14120816)	631224.00	4278911.00	78.35684	(14120816)
631274.00	4278311.00	132.91392	(15011709)	631274.00	4278361.00	118.09220	(15011709)
631274.00	4278411.00	100.10673	(14012809)	631274.00	4278461.00	114.61523	(14012809)
631274.00	4278511.00	123.19161	(14012809)	631274.00	4278561.00	124.84758	(14012809)
631274.00	4278611.00	120.07695	(14012809)	631274.00	4278661.00	110.14867	(14012809)
631274.00	4278711.00	97.61606	(16022708)	631274.00	4278761.00	92.77085	(16022708)
631274.00	4278811.00	84.71566	(16022708)	631274.00	4278861.00	74.53718	(16022708)
631274.00	4278911.00	73.83487	(14120816)	630574.00	4278161.00	488.12028	(14012809)
630574.00	4278111.00	618.01190	(14012809)	630574.00	4278061.00	608.00503	(14012809)
630574.00	4278011.00	700.56545	(15011709)	630574.00	4277511.00	355.99347	(18021708)
630574.00	4277461.00	325.55323	(18021708)	630574.00	4277411.00	294.05137	(16120909)
630574.00	4277311.00	252.89619	(16021108)	630574.00	4277161.00	240.00470	(16021208)
630574.00	4277111.00	230.91404	(16021208)	630574.00	4276961.00	143.89040	(16021208)
630574.00	4276911.00	130.17845	(15012208)	630624.00	4278161.00	482.26649	(14012809)
630624.00	4278111.00	515.37111	(14012809)	630624.00	4278061.00	520.06742	(15011709)
630624.00	4278011.00	571.77343	(15011709)	630624.00	4277961.00	528.85091	(15120816)
630624.00	4277911.00	579.47983	(14120716)	630624.00	4277811.00	527.53406	(17011609)
630624.00	4277761.00	459.31042	(15021508)	630624.00	4277711.00	416.01158	(15012009)

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        630624.00   4277661.00      429.15918  (14022408)              630624.00
4277561.00      405.28671  (15011209)
        630624.00   4277511.00      339.00230  (15011209)              630624.00
4277461.00      290.85911  (18021708)
        630624.00   4277411.00      276.86613  (18021708)              630624.00
4277311.00      235.04317  (16120909)
        630624.00   4277211.00      204.58450  (16021108)              630624.00
4276911.00      138.69477  (16021208)
        630674.00   4278161.00      431.85201  (14012809)              630674.00
4278111.00      402.08503  (14012809)
        630674.00   4278061.00      467.75239  (15011709)              630674.00
4278011.00      463.64577  (15011709)
        630674.00   4277961.00      429.47396  (14030508)              630674.00
4277911.00      487.69424  (14120716)
        630674.00   4277861.00      440.99759  (14120716)              630674.00
4277811.00      437.98784  (17011609)
        630674.00   4277761.00      410.53359  (17011609)              630674.00
4277711.00      351.05810  (16122408)
        630674.00   4277661.00      358.13479  (14022408)              630674.00
4277561.00      351.52496  (15011209)
        630674.00   4277511.00      337.39948  (15011209)              630674.00
4277461.00      287.04366  (15011209)
        630674.00   4277411.00      242.77196  (18122216)              630674.00
4277211.00      192.96073  (16120909)
        630674.00   4277161.00      179.39793  (16021108)              630674.00
4277111.00      170.29871  (16021108)
        630674.00   4277061.00      158.61828  (16021608)              630674.00
4277011.00      149.21005  (16021608)
        630724.00   4278161.00      361.69990  (14012809)              630724.00
4278111.00      360.73576  (15011709)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630724.00	4278061.00	410.34633	(15011709)	630724.00	4278011.00	397.07862	(15120816)
630724.00	4277961.00	364.11429	(14030508)	630724.00	4277911.00	417.90622	(14120716)
630724.00	4277861.00	383.51388	(14120716)	630724.00	4277811.00	365.97735	(17011609)
630724.00	4277761.00	367.70309	(17011609)	630724.00	4277711.00	320.40472	(15021508)
630724.00	4277661.00	298.21851	(15012009)	630724.00	4277611.00	311.09253	(14022408)
630724.00	4277561.00	285.32178	(14022408)	630724.00	4277511.00	300.56182	(15011209)
630724.00	4277461.00	286.94402	(15011209)	630724.00	4277411.00	247.37034	(15011209)
630724.00	4277261.00	193.96528	(18021708)	630724.00	4277211.00	174.95355	(18021708)
630724.00	4277161.00	169.40944	(16120909)	630724.00	4277111.00	161.85168	(16120909)
630724.00	4277061.00	151.96180	(16021108)	630724.00	4277011.00	144.83878	(16021108)
630724.00	4276961.00	135.74352	(16021608)	630774.00	4278161.00	289.40416	(14012809)
630774.00	4278111.00	338.17111	(15011709)	630774.00	4278061.00	354.95814	(15011709)
630774.00	4278011.00	343.98998	(15120816)	630774.00	4277961.00	312.20168	(14030508)
630774.00	4277911.00	363.96431	(14120716)	630774.00	4277861.00	337.80314	(14120716)
630774.00	4277761.00	326.34980	(17011609)	630774.00	4277711.00	288.63805	(15021508)
630774.00	4277611.00	259.67688	(14022408)	630774.00	4277561.00	267.87953	(14022408)
630774.00	4277511.00	245.85490	(15011209)	630774.00	4277461.00	260.79938	(15011209)
630774.00	4277311.00	178.93309	(18122216)	630774.00	4277261.00	178.58890	(18021708)
630774.00	4277211.00	172.78913	(18021708)	630774.00	4277161.00	159.89341	(18021708)
630774.00	4277111.00	147.71493	(16120909)	630774.00	4277061.00	145.30386	(16120909)
630774.00	4277011.00	138.16855	(16120909)	630774.00	4276961.00	131.00196	(16021108)
630774.00	4276911.00	125.32101	(16021108)	630824.00	4278161.00	268.24356	(15011709)
630824.00	4278111.00	309.68144	(15011709)	630824.00	4278061.00	304.79084	(15011709)
630824.00	4278011.00	297.96303	(15120816)	630824.00	4277961.00	272.05717	(15010808)
630824.00	4277911.00	320.79353	(14120716)	630824.00	4277861.00	300.34206	(14120716)

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        630824.00   4277811.00      261.45858  (17011609)              630824.00
4277661.00      238.64847  (15021508)
        630824.00   4277611.00      227.89311  (15012009)              630824.00
4277561.00      235.65874  (14022408)
        630824.00   4277511.00      229.89596  (14022408)              630824.00
4277461.00      219.83794  (15011209)
        630824.00   4277311.00      191.38217  (15011209)              630824.00
4277261.00      157.81899  (15011209)
        630824.00   4277211.00      156.67409  (18021708)              630824.00
4277161.00      154.41213  (18021708)
        630824.00   4277111.00      145.91088  (18021708)              630824.00
4277061.00      133.17638  (18021708)
        630824.00   4277011.00      129.42968  (16120909)              630824.00
4276961.00      126.19961  (16120909)
        630824.00   4276911.00      119.67073  (16120909)              630874.00
4278161.00      257.94563  (15011709)
        630874.00   4278111.00      279.20423  (15011709)              630874.00
4278061.00      268.04492  (15120816)
        630874.00   4278011.00      258.58951  (15120816)              630874.00
4277961.00      245.02899  (14120716)
        630874.00   4277911.00      285.81117  (14120716)              630874.00
4277861.00      269.73277  (14120716)
        630874.00   4277811.00      228.19010  (15011108)              630874.00
4277711.00      247.26024  (17011609)
        630874.00   4277661.00      222.16494  (15021508)              630874.00
4277611.00      203.06724  (16122408)
        630874.00   4277561.00      199.82316  (15012009)              630874.00
4277511.00      211.48072  (14022408)
        630874.00   4277361.00      203.34653  (15011209)              630874.00
4277311.00      192.88348  (15011209)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630874.00	4277261.00	170.99638	(15011209)	630874.00	4277211.00	143.06405	(15011209)
630874.00	4277161.00	139.26351	(18122216)	630874.00	4277111.00	138.48190	(18021708)
630874.00	4277061.00	133.18872	(18021708)	630874.00	4277011.00	123.93568	(18021708)
630874.00	4276961.00	114.69623	(16120909)	630874.00	4276911.00	114.33461	(16120909)
630924.00	4278161.00	242.82009	(15011709)	630924.00	4278111.00	249.17331	(15011709)
630924.00	4278061.00	243.26743	(15120816)	630924.00	4278011.00	225.05360	(14030508)
630924.00	4277961.00	223.60978	(14120716)	630924.00	4277911.00	257.06814	(14120716)
630924.00	4277861.00	243.79003	(14120716)	630924.00	4277811.00	203.41907	(15011108)
630924.00	4277761.00	225.47901	(17011609)	630924.00	4277661.00	203.83708	(15021508)
630924.00	4277611.00	185.90446	(15021508)	630924.00	4277561.00	181.50639	(15012009)
630924.00	4277511.00	185.06001	(14022408)	630924.00	4277411.00	172.19215	(14022408)
630924.00	4277361.00	178.98531	(15011209)	630924.00	4277311.00	182.12537	(15011209)
630924.00	4277261.00	172.64937	(15011209)	630924.00	4277211.00	154.08403	(15011209)
630924.00	4277161.00	130.48266	(15011209)	630924.00	4277111.00	124.87565	(18122216)
630924.00	4277061.00	124.62707	(18021708)	630924.00	4277011.00	121.68415	(18021708)
630924.00	4276961.00	115.11843	(18021708)	630924.00	4276911.00	105.98621	(18021708)
630974.00	4278161.00	225.19793	(15011709)	630974.00	4278111.00	220.93663	(15011709)
630974.00	4278061.00	220.00798	(15120816)	630974.00	4278011.00	203.43517	(14030508)
630974.00	4277961.00	205.30590	(14120716)	630974.00	4277911.00	232.98886	(14120716)
630974.00	4277861.00	222.02087	(14120716)	630974.00	4277811.00	183.35535	(14012608)
630974.00	4277761.00	199.64273	(17011609)	630974.00	4277661.00	191.51377	(17011609)
630974.00	4277611.00	176.73552	(15021508)	630974.00	4277561.00	164.73154	(16122408)
630974.00	4277461.00	170.88211	(14022408)	630974.00	4277411.00	167.73250	(14022408)
630974.00	4277361.00	149.91260	(17121108)	630974.00	4277311.00	162.87146	(15011209)
630974.00	4277261.00	164.37441	(15011209)	630974.00	4277211.00	155.80101	(15011209)

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        630974.00   4277161.00      139.85596  (15011209)              630974.00
4277111.00      119.64788  (15011209)
        630974.00   4277061.00      112.57334  (18122216)              630974.00
4277011.00      112.57509  (18021708)
        630974.00   4276961.00      111.33513  (18021708)              630974.00
4276911.00      106.83160  (18021708)
        631024.00   4278161.00      206.56578  (15011709)              631024.00
4278111.00      195.72626  (15120816)
        631024.00   4278061.00      198.42235  (15120816)              631024.00
4278011.00      184.39335  (14030508)
        631024.00   4277961.00      189.25823  (14120716)              631024.00
4277911.00      212.35950  (14120716)
        631024.00   4277861.00      203.45619  (14120716)              631024.00
4277811.00      166.58380  (14012608)
        631024.00   4277761.00      177.19704  (17011609)              631024.00
4277711.00      190.00173  (17011609)
        631024.00   4277611.00      166.11231  (15021508)              631024.00
4277411.00      156.42907  (14022408)
        631024.00   4277361.00      149.21490  (14022408)              631024.00
4277311.00      139.02384  (15011209)
        631024.00   4277261.00      148.98111  (15011209)              631024.00
4277211.00      149.36609  (15011209)
        631024.00   4277161.00      141.59021  (15011209)              631024.00
4277111.00      127.75103  (15011209)
        631024.00   4277061.00      110.28585  (15011209)              631024.00
4277011.00      102.01616  (18122216)
        631024.00   4276961.00      102.27926  (18122216)              631024.00
4276911.00      102.06396  (18021708)
        631074.00   4278161.00      188.02836  (15011709)              631074.00
4278111.00      182.69114  (15120816)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
631074.00	4278061.00	178.84794	(15120816)	631074.00	4278011.00	167.61921	(14030508)
631074.00	4277961.00	175.14765	(14120716)	631074.00	4277911.00	194.69050	(14120716)
631074.00	4277861.00	187.14759	(14120716)	631074.00	4277811.00	155.55073	(14120716)
631074.00	4277761.00	157.64349	(17011609)	631074.00	4277711.00	173.11844	(17011609)
631074.00	4277461.00	136.89626	(15012009)	631074.00	4277311.00	132.95885	(14022408)
631074.00	4277261.00	129.31256	(15011209)	631074.00	4277211.00	136.87929	(15011209)
631074.00	4277161.00	136.54907	(15011209)	631074.00	4277111.00	129.46329	(15011209)
631074.00	4277061.00	117.33472	(15011209)	631074.00	4277011.00	102.09673	(15011209)
631074.00	4276961.00	92.87281	(18122216)	631074.00	4276911.00	93.76935	(18122216)
631124.00	4278161.00	170.15822	(15011709)	631124.00	4278111.00	169.62196	(15120816)
631124.00	4278061.00	161.14932	(15120816)	631124.00	4278011.00	152.99894	(14030508)
631124.00	4277961.00	162.94221	(14120716)	631124.00	4277911.00	179.44425	(14120716)
631124.00	4277861.00	173.03086	(14120716)	631124.00	4277811.00	146.11787	(14120716)
631124.00	4277761.00	142.97902	(15011108)	631124.00	4277711.00	157.62830	(17011609)
631124.00	4277461.00	126.09634	(15012009)	631124.00	4277411.00	123.95078	(15012009)
631124.00	4277261.00	118.67876	(14022408)	631124.00	4277211.00	120.51372	(15011209)
631124.00	4277161.00	126.34460	(15011209)	631124.00	4277111.00	125.48060	(15011209)
631124.00	4277061.00	119.01574	(15011209)	631124.00	4277011.00	108.29893	(15011209)
631124.00	4276961.00	94.89804	(15011209)	631124.00	4276911.00	85.83318	(16120908)
631174.00	4278161.00	153.31574	(15011709)	631174.00	4278111.00	156.93778	(15120816)
631174.00	4278061.00	145.31367	(15120816)	631174.00	4278011.00	140.96473	(15010808)
631174.00	4277961.00	152.02444	(14120716)	631174.00	4277911.00	166.16397	(14120716)
631174.00	4277861.00	160.71932	(14120716)	631174.00	4277811.00	137.41468	(14120716)
631174.00	4277761.00	131.95768	(15011108)	631174.00	4277561.00	130.57262	(15021508)
631174.00	4277511.00	121.10116	(15021508)	631174.00	4277461.00	117.03004	(15020408)

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        631174.00   4277311.00      122.18531  (14022408)              631174.00
4277261.00      117.67635  (14022408)
        631174.00   4277161.00      112.63447  (15011209)              631174.00
4277111.00      117.04972  (15011209)
        631174.00   4277061.00      115.85059  (15011209)              631174.00
4277011.00      109.93443  (15011209)
        631174.00   4276961.00      100.39548  (15011209)              631174.00
4276911.00       88.50780  (15011209)
        631224.00   4278161.00      143.21312  (15120816)              631224.00
4278111.00      144.90783  (15120816)
        631224.00   4278061.00      134.88238  (14030508)              631224.00
4278011.00      130.58627  (15010808)
        631224.00   4277961.00      142.19061  (14120716)              631224.00
4277911.00      154.51147  (14120716)
        631224.00   4277861.00      149.89760  (14120716)              631224.00
4277811.00      129.46551  (14120716)
        631224.00   4277761.00      122.10846  (15011108)              631224.00
4277561.00      122.36653  (15021508)
        631224.00   4277461.00      109.19383  (16122408)              631224.00
4277361.00      107.30969  (15012009)
        631224.00   4277311.00      112.07696  (14022408)              631224.00
4277261.00      113.02864  (14022408)
        631224.00   4277211.00      106.87464  (14022408)              631224.00
4277161.00       98.77590  (17121108)
        631224.00   4277111.00      105.46296  (15011209)              631224.00
4277061.00      108.83429  (15011209)
        631224.00   4277011.00      107.41278  (15011209)              631224.00
4276961.00      101.97597  (15011209)
        631224.00   4276911.00       93.42121  (15011209)              631274.00
4277611.00      126.99638  (17011609)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
631274.00	4277561.00	116.87629	(17011609)	631274.00	4277511.00	111.94257	(15021508)
631274.00	4277461.00	102.97948	(15021508)	631274.00	4277361.00	101.36639	(15012009)
631274.00	4277311.00	100.33810	(14022408)	631274.00	4277261.00	105.66217	(14022408)
631274.00	4277211.00	104.28907	(14022408)	631274.00	4277161.00	97.13671	(14022408)
631274.00	4277111.00	92.16563	(15011209)	631274.00	4277061.00	98.99681	(15011209)
631274.00	4277011.00	101.53595	(15011209)	631274.00	4276961.00	99.96616	(15011209)
631274.00	4276911.00	94.95577	(15011209)	630524.00	4277611.00	509.86338	(15011209)
630524.00	4277561.00	444.96298	(18021708)	630524.00	4277511.00	384.83103	(18021708)
630524.00	4277461.00	357.24955	(16120909)	630524.00	4277411.00	324.87294	(16021108)
630524.00	4277261.00	248.56816	(16021208)	630524.00	4276961.00	146.46033	(15012208)
630524.00	4276911.00	136.90545	(15012208)	630474.00	4277611.00	569.84166	(18021708)
630474.00	4277561.00	494.59300	(16120909)	630474.00	4277511.00	441.48665	(16021108)
630474.00	4277461.00	387.38276	(16021608)	630474.00	4277411.00	349.81985	(16021208)
630474.00	4277061.00	171.26081	(14011508)	630474.00	4276961.00	148.25596	(14011508)
630474.00	4276911.00	137.89081	(17120908)	630424.00	4277611.00	654.76608	(16021108)
630424.00	4277561.00	551.63407	(16021608)	630424.00	4277511.00	488.73705	(16021208)
630424.00	4277461.00	421.32580	(16021208)	630424.00	4277411.00	354.65361	(16021208)
630424.00	4277211.00	226.32637	(14011508)	630424.00	4277061.00	185.45857	(17121516)
630424.00	4276961.00	164.97616	(17121516)	630424.00	4276911.00	155.27731	(17121516)
630374.00	4277611.00	743.24144	(16021208)	630374.00	4277561.00	587.08069	(16021208)
630374.00	4277511.00	486.28785	(15012208)	630374.00	4277461.00	415.98986	(14011508)
630374.00	4276961.00	166.17893	(17121516)	630374.00	4276911.00	154.00387	(15022508)
630324.00	4277611.00	792.70278	(17121516)	630324.00	4277561.00	661.73859	(17121516)
630324.00	4277511.00	556.69346	(17121516)	630324.00	4277361.00	354.39495	(15022508)
630324.00	4277311.00	315.45796	(15022508)	630324.00	4277261.00	282.79156	(15022508)

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        630324.00   4277211.00      255.14662  (15022508)              630324.00
4277161.00      231.54166  (15022508)
        630324.00   4277111.00      211.23558  (15022508)              630324.00
4276961.00      164.80081  (15022508)
        630324.00   4276911.00      152.94359  (15022508)              630274.00
4277611.00      842.04802  (16010809)
        630274.00   4277461.00      474.15277  (16010809)              630274.00
4277411.00      408.74030  (16010809)
        630274.00   4277361.00      357.22532  (16010809)              630274.00
4277311.00      315.82633  (16010809)
        630274.00   4277261.00      282.00824  (16010809)              630274.00
4277211.00      253.93696  (16010809)
        630274.00   4277161.00      230.30825  (16010809)              630274.00
4277111.00      210.18510  (16010809)
        630274.00   4276961.00      164.89081  (16010809)              630274.00
4276911.00      153.39758  (16010809)
        630224.00   4277511.00      560.44753  (16010809)              630224.00
4277461.00      482.67922  (16010809)
        630224.00   4277411.00      421.10083  (16010809)              630224.00
4277361.00      371.67663  (16010809)
        630224.00   4277311.00      330.84795  (16010809)              630224.00
4277261.00      297.13933  (16010809)
        630224.00   4277211.00      268.67438  (16010809)              630224.00
4277161.00      244.52800  (16010809)
        630224.00   4277111.00      223.95624  (16010809)              630224.00
4277061.00      205.98423  (16010809)
        630224.00   4276911.00      164.40216  (16010809)              630174.00
4277561.00      631.36180  (18122109)
        630174.00   4277511.00      552.52365  (18122109)              630174.00
4277461.00      478.63150  (18122109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630174.00	4277411.00	413.58735	(18122109)	630174.00	4277361.00	357.66435	(18122109)
630174.00	4277311.00	310.29459	(18122109)	630174.00	4277261.00	270.08301	(18122109)
630174.00	4277211.00	242.23138	(15120216)	630174.00	4277161.00	220.18436	(16010809)
630174.00	4277111.00	205.14504	(16010809)	630174.00	4277061.00	191.14778	(16010809)
630174.00	4277011.00	179.00011	(16010809)	630174.00	4276911.00	157.64741	(16010809)
630124.00	4277611.00	810.80671	(14121409)	630124.00	4277561.00	676.51233	(14121409)
630124.00	4277511.00	533.55494	(14121409)	630124.00	4277461.00	421.56083	(18013009)
630124.00	4277411.00	364.62345	(18013009)	630124.00	4277361.00	339.17006	(18122109)
630124.00	4277311.00	312.53801	(18122109)	630124.00	4277261.00	285.56258	(18122109)
630124.00	4277211.00	259.76297	(18122109)	630124.00	4277161.00	235.59163	(18122109)
630124.00	4277111.00	213.56303	(18122109)	630124.00	4277061.00	193.49493	(18122109)
630124.00	4277011.00	175.33655	(18122109)	630074.00	4277611.00	625.82258	(15021908)
630074.00	4277561.00	572.95475	(14121409)	630074.00	4277511.00	541.34487	(14121409)
630074.00	4277461.00	476.20465	(14121409)	630074.00	4277411.00	400.47472	(14121409)
630074.00	4277361.00	327.15780	(14121409)	630074.00	4277311.00	283.08781	(18013009)
630074.00	4277261.00	254.28915	(18013009)	630074.00	4277211.00	231.80254	(18122109)
630074.00	4277161.00	220.95849	(18122109)	630074.00	4277111.00	208.70207	(18122109)
630074.00	4277061.00	195.77752	(18122109)	630074.00	4277011.00	182.92038	(18122109)
630024.00	4277611.00	552.68153	(15021908)	630024.00	4277561.00	502.61579	(15021908)
630024.00	4277511.00	419.79696	(16021508)	630024.00	4277461.00	413.77972	(14121409)
630024.00	4277411.00	396.05085	(14121409)	630024.00	4277361.00	359.53858	(14121409)
630024.00	4277311.00	314.67296	(14121409)	630024.00	4277261.00	268.21919	(14121409)
630024.00	4277211.00	224.50215	(14121409)	630024.00	4277161.00	207.93388	(18013009)
630024.00	4277111.00	191.02496	(18013009)	630024.00	4277061.00	173.63579	(18013009)
630024.00	4277011.00	165.02494	(18122109)	630024.00	4276961.00	159.21827	(18122109)

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        629974.00   4277611.00      537.17570  (15010109)              629974.00
4277561.00      427.15158  (16012109)
        629974.00   4277511.00      409.75336  (15021908)              629974.00
4277461.00      351.14446  (15021908)
        629974.00   4277411.00      315.10070  (16021508)              629974.00
4277361.00      317.78236  (14121409)
        629974.00   4277311.00      306.98977  (14121409)              629974.00
4277261.00      284.44169  (14121409)
        629974.00   4277211.00      255.71737  (14121409)              629974.00
4277161.00      224.57081  (14121409)
        629974.00   4277111.00      193.78212  (14121409)              629974.00
4277061.00      171.23306  (18013009)
        629974.00   4277011.00      161.65239  (18013009)              629974.00
4276961.00      150.74816  (18013009)
        629974.00   4276911.00      139.38014  (18013009)              629924.00
4277611.00      541.10540  (15010109)
        629924.00   4277561.00      425.47482  (15010109)              629924.00
4277511.00      355.10345  (16012109)
        629924.00   4277461.00      339.32563  (15021908)              629924.00
4277411.00      305.78822  (15021908)
        629924.00   4277361.00      267.71129  (16120308)              629924.00
4277311.00      250.45199  (14121409)
        629924.00   4277261.00      254.56378  (14121409)              629924.00
4277211.00      247.55453  (14121409)
        629924.00   4277161.00      232.72872  (14121409)              629924.00
4277111.00      213.22655  (14121409)
        629924.00   4277061.00      191.41890  (14121409)              629924.00
4277011.00      169.03410  (14121409)
        629924.00   4276961.00      147.13795  (14121409)              629924.00
4276911.00      137.15624  (18013009)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629874.00	4277611.00	465.68087	(15010109)	629874.00	4277561.00	440.54121	(15010109)
629874.00	4277511.00	347.28565	(15010109)	629874.00	4277461.00	301.48599	(16012109)
629874.00	4277411.00	285.04718	(15021908)	629874.00	4277361.00	266.75838	(15021908)
629874.00	4277311.00	232.97967	(15021908)	629874.00	4277261.00	216.45127	(16021508)
629874.00	4277211.00	207.46707	(14121409)	629874.00	4277161.00	210.23963	(14121409)
629874.00	4277111.00	205.47013	(14121409)	629874.00	4277061.00	195.26000	(14121409)
629874.00	4277011.00	181.45253	(14121409)	629874.00	4276961.00	165.60973	(14121409)
629874.00	4276911.00	148.86886	(14121409)	629824.00	4277611.00	375.64815	(16122209)
629824.00	4277561.00	398.40294	(15010109)	629824.00	4277511.00	366.44365	(15010109)
629824.00	4277461.00	290.02153	(15010109)	629824.00	4277411.00	260.24194	(16012109)
629824.00	4277361.00	242.55486	(15021908)	629824.00	4277311.00	233.67209	(15021908)
629824.00	4277261.00	211.21149	(15021908)	629824.00	4277211.00	191.07363	(16120308)
629824.00	4277161.00	179.82006	(16021508)	629824.00	4277111.00	175.55120	(14121409)
629824.00	4277061.00	177.30415	(14121409)	629824.00	4277011.00	174.29864	(14121409)
629824.00	4276961.00	167.06094	(14121409)	629824.00	4276911.00	156.94337	(14121409)
629774.00	4277611.00	344.65789	(16122209)	629774.00	4277561.00	326.11739	(15010109)
629774.00	4277511.00	343.62304	(15010109)	629774.00	4277461.00	310.20349	(15010109)
629774.00	4277411.00	246.65807	(15010109)	629774.00	4277361.00	227.75043	(16012109)
629774.00	4277311.00	208.75690	(15021908)	629774.00	4277261.00	205.81427	(15021908)
629774.00	4277211.00	191.23636	(15021908)	629774.00	4277161.00	170.38412	(16120308)
629774.00	4277111.00	160.56482	(16021508)	629774.00	4277061.00	151.34244	(16021508)
629774.00	4277011.00	151.05142	(14121409)	629774.00	4276961.00	152.63106	(14121409)
629774.00	4276911.00	150.59094	(14121409)	629724.00	4277611.00	295.57033	(16122209)
629724.00	4277561.00	295.67251	(16122209)	629724.00	4277511.00	294.48619	(15010109)
629724.00	4277461.00	298.96785	(15010109)	629724.00	4277411.00	266.45867	(15010109)

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        629724.00   4277361.00      214.32697  (16012109)              629724.00
4277311.00      201.71660  (16012109)
        629724.00   4277261.00      181.51169  (15021908)              629724.00
4277211.00      182.25257  (15021908)
        629724.00   4277161.00      173.20107  (15021908)              629724.00
4277111.00      157.33218  (15021908)
        629724.00   4277061.00      145.78103  (16120308)              629724.00
4277011.00      138.04541  (16021508)
        629724.00   4276961.00      129.78776  (16021508)              629724.00
4276911.00      132.18173  (14121409)
        629674.00   4277611.00      241.40471  (16122209)              629674.00
4277561.00      268.88465  (16122209)
        629674.00   4277511.00      250.89511  (16122209)              629674.00
4277461.00      265.57027  (15010109)
        629674.00   4277411.00      262.31024  (15010109)              629674.00
4277361.00      231.66591  (15010109)
        629674.00   4277311.00      190.08072  (16012109)              629674.00
4277261.00      180.32873  (16012109)
        629674.00   4277211.00      159.10895  (15021908)              629674.00
4277161.00      162.22820  (15021908)
        629674.00   4277111.00      157.05799  (15021908)              629674.00
4277061.00      145.73637  (15021908)
        629674.00   4277011.00      132.20611  (16120308)              629674.00
4276961.00      125.18744  (16120308)
        629674.00   4276911.00      120.19964  (16021508)              629624.00
4277611.00      230.43676  (15010909)
        629624.00   4277561.00      232.50478  (16122209)              629624.00
4277511.00      239.23657  (16122209)
        629624.00   4277461.00      221.10459  (15010109)              629624.00
4277411.00      239.75356  (15010109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629624.00	4277361.00	231.90873	(15010109)	629624.00	4277311.00	203.50118	(15010109)
629624.00	4277261.00	170.26212	(16012109)	629624.00	4277211.00	162.53421	(16012109)
629624.00	4277161.00	145.02412	(16012109)	629624.00	4277111.00	145.15337	(15021908)
629624.00	4277061.00	142.75085	(15021908)	629624.00	4277011.00	134.78105	(15021908)
629624.00	4276961.00	122.76401	(15021908)	629624.00	4276911.00	115.69120	(16120308)
629574.00	4277611.00	222.71476	(15010909)	629574.00	4277561.00	193.46756	(16122209)
629574.00	4277511.00	216.88752	(16122209)	629574.00	4277461.00	210.12487	(16122209)
629574.00	4277411.00	206.31209	(15010109)	629574.00	4277361.00	216.87965	(15010109)
629574.00	4277311.00	206.46802	(15010109)	629574.00	4277261.00	180.38974	(15010109)
629574.00	4277211.00	153.70050	(16012109)	629574.00	4277161.00	147.54870	(16012109)
629574.00	4277111.00	133.20934	(16012109)	629574.00	4277061.00	130.47096	(15021908)
629574.00	4277011.00	129.96865	(15021908)	629574.00	4276961.00	124.47338	(15021908)
629574.00	4276911.00	115.41580	(15021908)	629524.00	4277611.00	210.85138	(15010909)
629524.00	4277561.00	184.17824	(15010909)	629524.00	4277511.00	188.91030	(16122209)
629524.00	4277461.00	198.05295	(16122209)	629524.00	4277411.00	183.17503	(16122209)
629524.00	4277361.00	191.81887	(15010109)	629524.00	4277311.00	196.79147	(15010109)
629524.00	4277261.00	185.05859	(15010109)	629524.00	4277211.00	161.11421	(15010109)
629524.00	4277161.00	139.79391	(16012109)	629524.00	4277111.00	134.78787	(16012109)
629524.00	4277061.00	122.89913	(16012109)	629524.00	4277011.00	117.84974	(15021908)
629524.00	4276961.00	118.67660	(15021908)	629524.00	4276911.00	115.08860	(15021908)
629474.00	4277611.00	196.64198	(15010909)	629474.00	4277561.00	180.90444	(15010909)
629474.00	4277511.00	159.48591	(16122209)	629474.00	4277461.00	179.42701	(16122209)
629474.00	4277411.00	178.43892	(16122209)	629474.00	4277361.00	161.84716	(15010109)
629474.00	4277311.00	178.06779	(15010109)	629474.00	4277261.00	179.12605	(15010109)
629474.00	4277211.00	166.79076	(15010109)	629474.00	4277161.00	144.92467	(15010109)

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        629474.00   4277111.00      127.91065  (16012109)              629474.00
4277061.00      123.80338  (16012109)
        629474.00   4277011.00      113.82953  (16012109)              629474.00
4276961.00      106.77979  (15021908)
        629474.00   4276911.00      108.63306  (15021908)              629424.00
4277611.00      181.26730  (15010909)
        629424.00   4277561.00      174.39692  (15010909)              629424.00
4277511.00      151.17089  (15010909)
        629424.00   4277461.00      157.28798  (16122209)              629424.00
4277411.00      167.09094  (16122209)
        629424.00   4277361.00      159.35706  (16122209)              629424.00
4277311.00      154.07368  (15010109)
        629424.00   4277261.00      165.23278  (15010109)              629424.00
4277211.00      163.58689  (15010109)
        629424.00   4277161.00      151.12957  (15010109)              629424.00
4277111.00      131.10234  (15010109)
        629424.00   4277061.00      117.65843  (16012109)              629424.00
4277011.00      114.26786  (16012109)
        629424.00   4276961.00      105.83739  (16012109)              629424.00
4276911.00       97.24712  (15021908)
        629374.00   4277611.00      165.66158  (15010909)              629374.00
4277561.00      165.65320  (15010909)
        629374.00   4277511.00      150.14648  (15010909)              629374.00
4277461.00      134.37553  (16122209)
        629374.00   4277411.00      151.48591  (16122209)              629374.00
4277361.00      153.50674  (16122209)
        629374.00   4277311.00      141.52787  (16122209)              629374.00
4277261.00      146.10985  (15010109)
        629374.00   4277211.00      153.33872  (15010109)              629374.00
4277161.00      149.87817  (15010109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629374.00	4277111.00	137.59781	(15010109)	629374.00	4277061.00	119.48887	(17121709)
629374.00	4277011.00	108.75252	(16012109)	629374.00	4276961.00	105.94160	(16012109)
629374.00	4276911.00	98.75436	(16012109)	629324.00	4277611.00	150.36194	(15010909)
629324.00	4277561.00	155.62878	(15010909)	629324.00	4277511.00	146.71183	(15010909)
629324.00	4277461.00	126.55445	(15010909)	629324.00	4277411.00	133.50924	(16122209)
629324.00	4277361.00	143.14300	(16122209)	629324.00	4277311.00	139.69206	(16122209)
629324.00	4277261.00	125.24821	(16122209)	629324.00	4277211.00	138.17082	(15010109)
629324.00	4277161.00	142.44670	(15010109)	629324.00	4277111.00	137.76440	(15010109)
629324.00	4277061.00	125.82487	(15010109)	629324.00	4277011.00	110.02022	(17121709)
629324.00	4276961.00	100.95168	(16012109)	629324.00	4276911.00	98.59301	(16012109)
629274.00	4277611.00	135.70292	(15010909)	629274.00	4277561.00	144.88225	(15010909)
629274.00	4277511.00	141.41080	(15010909)	629274.00	4277461.00	126.87946	(15010909)
629274.00	4277411.00	115.16111	(16122209)	629274.00	4277361.00	129.92290	(16122209)
629274.00	4277311.00	133.56547	(16122209)	629274.00	4277261.00	126.37289	(16122209)
629274.00	4277211.00	120.27547	(15010109)	629274.00	4277161.00	130.45855	(15010109)
629274.00	4277111.00	132.52809	(15010109)	629274.00	4277061.00	127.03153	(15010109)
629274.00	4277011.00	115.50427	(15010109)	629274.00	4276961.00	101.71265	(17121709)
629274.00	4276911.00	94.05606	(16012109)	629974.00	4277661.00	682.34793	(15010109)
629974.00	4277711.00	660.21682	(16122209)	629974.00	4277811.00	742.02589	(15010909)
629974.00	4277861.00	739.04657	(17022308)	629974.00	4277911.00	772.96237	(16011409)
629974.00	4277961.00	663.73482	(17120108)	629974.00	4278011.00	643.18508	(15120616)
629974.00	4278061.00	731.10423	(15013009)	629974.00	4278111.00	570.00837	(15013009)
629974.00	4278161.00	447.67952	(15120709)	629974.00	4278211.00	393.12951	(14011409)
629974.00	4278261.00	365.88236	(14011409)	629974.00	4278311.00	322.82391	(17121909)
629974.00	4278361.00	290.67770	(17121909)	629974.00	4278411.00	247.47407	(17121909)

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        629974.00   4278461.00      202.33046  (17121909)              629974.00
4278511.00      186.68308  (15110208)
        629974.00   4278561.00      175.23950  (15110208)              629974.00
4278611.00      169.55416  (14011809)
        629974.00   4278711.00      163.96208  (14011809)              629974.00
4278761.00      158.12973  (14011809)
        629974.00   4278811.00      151.09686  (14011809)              629974.00
4278861.00      143.30559  (14011809)
        629974.00   4278911.00      135.20795  (14011809)              629924.00
4277661.00      547.64144  (15010109)
        629924.00   4277711.00      557.53501  (16122209)              629924.00
4277761.00      590.35237  (15010909)
        629924.00   4277861.00      610.50010  (17022308)              629924.00
4277911.00      629.33213  (16011409)
        629924.00   4277961.00      525.84154  (17120108)              629924.00
4278011.00      503.31946  (17120108)
        629924.00   4278061.00      585.24888  (15013009)              629924.00
4278111.00      558.51669  (15013009)
        629924.00   4278161.00      403.70098  (15013009)              629924.00
4278211.00      360.05659  (15120709)
        629924.00   4278261.00      316.49055  (14011409)              629924.00
4278311.00      303.06695  (14011409)
        629924.00   4278361.00      265.09159  (17121909)              629924.00
4278411.00      248.98912  (17121909)
        629924.00   4278461.00      221.77838  (17121909)              629924.00
4278511.00      189.71628  (17121909)
        629924.00   4278561.00      157.45272  (17121909)              629924.00
4278611.00      150.65954  (15110208)
        629924.00   4278711.00      134.44933  (15110208)              629924.00
4278761.00      134.13524  (14011809)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629924.00	4278811.00	133.05638	(14011809)	629924.00	4278861.00	130.49157	(14011809)
629924.00	4278911.00	126.72831	(14011809)	629874.00	4277661.00	462.14886	(16122209)
629874.00	4277711.00	429.16224	(15010909)	629874.00	4277761.00	508.37082	(15010909)
629874.00	4277811.00	459.35921	(15011908)	629874.00	4277961.00	439.01571	(16011409)
629874.00	4278011.00	442.44386	(17120108)	629874.00	4278061.00	444.97655	(15013009)
629874.00	4278111.00	496.47739	(15013009)	629874.00	4278161.00	425.51847	(15013009)
629874.00	4278211.00	315.65079	(15021308)	629874.00	4278261.00	297.99392	(15120709)
629874.00	4278311.00	262.22846	(15120709)	629874.00	4278361.00	255.94115	(14011409)
629874.00	4278411.00	229.68438	(14011409)	629874.00	4278461.00	214.07965	(17121909)
629874.00	4278511.00	197.49753	(17121909)	629874.00	4278561.00	175.26023	(17121909)
629874.00	4278611.00	150.71490	(17121909)	629874.00	4278711.00	125.03622	(15110208)
629874.00	4278761.00	120.28077	(15110208)	629874.00	4278811.00	114.09774	(15110208)
629874.00	4278861.00	109.30831	(14011809)	629874.00	4278911.00	109.67036	(14011809)
629824.00	4277661.00	392.75033	(16122209)	629824.00	4277711.00	405.46898	(15010909)
629824.00	4277761.00	428.35130	(15010909)	629824.00	4277811.00	402.63676	(15011909)
629824.00	4277861.00	439.26898	(17022308)	629824.00	4277911.00	447.95893	(16011409)
629824.00	4278061.00	367.84825	(15120616)	629824.00	4278111.00	414.57985	(15013009)
629824.00	4278161.00	408.02367	(15013009)	629824.00	4278211.00	326.81234	(15013009)
629824.00	4278261.00	264.83412	(15021308)	629824.00	4278311.00	252.16476	(15120709)
629824.00	4278361.00	223.84273	(15120709)	629824.00	4278411.00	219.63403	(14011409)
629824.00	4278461.00	202.13237	(14011409)	629824.00	4278511.00	184.97976	(17121909)
629824.00	4278561.00	175.47448	(17121909)	629824.00	4278611.00	160.38888	(17121909)
629824.00	4278711.00	123.05463	(17121909)	629824.00	4278761.00	107.63215	(15110208)
629824.00	4278811.00	106.02791	(15110208)	629824.00	4278861.00	102.80835	(15110208)
629824.00	4278911.00	98.42988	(15110208)	629774.00	4277661.00	313.00719	(16122209)

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        629774.00   4277711.00      369.73824  (15010909)              629774.00
4277761.00      357.12978  (15010909)
        629774.00   4277811.00      353.37845  (15011909)              629774.00
4277861.00      380.69898  (17022308)
        629774.00   4277911.00      387.91937  (16011409)              629774.00
4277961.00      346.27651  (16011409)
        629774.00   4278011.00      333.87200  (17120108)              629774.00
4278861.00       92.42370  (15110208)
        629774.00   4278911.00       91.44021  (15110208)              629724.00
4277661.00      298.55079  (15010909)
        629724.00   4277711.00      329.37776  (15010909)              629724.00
4277761.00      299.77772  (15011908)
        629724.00   4277811.00      310.80414  (15011909)              629724.00
4277861.00      333.86290  (17022308)
        629724.00   4277911.00      340.57307  (16011409)              629724.00
4277961.00      310.87527  (16011409)
        629724.00   4278011.00      289.52649  (17120108)              629724.00
4278061.00      280.95818  (17120108)
        629724.00   4278111.00      285.21340  (15120616)              629724.00
4278161.00      314.37943  (15013009)
        629724.00   4278211.00      314.97305  (15013009)              629724.00
4278261.00      268.76097  (15013009)
        629724.00   4278311.00      205.37676  (15021308)              629724.00
4278361.00      195.03996  (15021308)
        629724.00   4278411.00      189.67846  (15120709)              629724.00
4278461.00      170.69633  (15120709)
        629724.00   4278511.00      167.95102  (14011409)              629724.00
4278561.00      160.13860  (14011409)
        629724.00   4278611.00      145.32736  (14011409)              629724.00
4278711.00      132.82497  (17121909)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629724.00	4278761.00	123.42517	(17121909)	629724.00	4278811.00	111.96913	(17121909)
629674.00	4277661.00	281.84209	(15010909)	629674.00	4277711.00	289.05256	(15010909)
629674.00	4277761.00	264.48109	(15011908)	629674.00	4277811.00	277.80077	(17022308)
629674.00	4277861.00	295.75651	(17022308)	629674.00	4277911.00	302.25860	(16011409)
629674.00	4277961.00	280.79703	(16011409)	629674.00	4278011.00	251.57595	(17120108)
629674.00	4278061.00	256.93930	(17120108)	629674.00	4278111.00	244.50557	(15120616)
629674.00	4278161.00	261.23686	(15013009)	629674.00	4278211.00	285.36211	(15013009)
629674.00	4278261.00	267.06079	(15013009)	629674.00	4278311.00	218.57980	(15013009)
629674.00	4278361.00	181.53916	(15021308)	629674.00	4278411.00	172.60343	(15120709)
629674.00	4278461.00	167.62374	(15120709)	629674.00	4278511.00	151.69782	(15120709)
629674.00	4278561.00	149.11244	(14011409)	629674.00	4278611.00	143.99846	(14011409)
629674.00	4278711.00	124.14745	(17121909)	629674.00	4278761.00	120.67294	(17121909)
629674.00	4278811.00	114.15763	(17121909)	629674.00	4278861.00	105.53985	(17121909)
629674.00	4278911.00	95.64273	(17121909)	629624.00	4277661.00	260.29971	(15010909)
629624.00	4277711.00	251.31418	(15010909)	629624.00	4277761.00	239.40683	(15011909)
629624.00	4277811.00	254.16949	(17022308)	629624.00	4277861.00	264.16781	(17022308)
629624.00	4277911.00	270.83148	(16011409)	629624.00	4277961.00	255.33980	(16011409)
629624.00	4278011.00	219.36004	(17120108)	629624.00	4278061.00	233.32203	(17120108)
629624.00	4278111.00	216.51779	(14010708)	629624.00	4278161.00	228.37777	(15120616)
629624.00	4278211.00	249.53191	(15013009)	629624.00	4278261.00	252.82652	(15013009)
629624.00	4278311.00	225.00968	(15013009)	629624.00	4278361.00	178.68178	(15013009)
629624.00	4278411.00	161.56747	(15021308)	629624.00	4278461.00	154.60608	(15120709)
629624.00	4278511.00	149.64481	(15120709)	629624.00	4278561.00	136.05231	(15120709)
629624.00	4278611.00	133.47970	(14011409)	629624.00	4278711.00	121.93332	(14011409)
629624.00	4278761.00	111.19777	(17121909)	629624.00	4278811.00	109.69204	(17121909)

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        629624.00   4278861.00      105.39196  (17121909)              629624.00
4278911.00       99.03366  (17121909)
        629574.00   4277661.00      236.71092  (15010909)              629574.00
4277711.00      217.23942  (15010909)
        629574.00   4277761.00      220.71494  (15011909)              629574.00
4277811.00      233.16014  (17022308)
        629574.00   4277861.00      237.63868  (17022308)              629574.00
4277911.00      244.65007  (16011409)
        629574.00   4277961.00      233.27962  (16011409)              629574.00
4278011.00      192.00446  (17120108)
        629574.00   4278061.00      211.22014  (17120108)              629574.00
4278111.00      198.38658  (17120108)
        629574.00   4278161.00      202.91604  (15120616)              629574.00
4278211.00      212.44811  (15013009)
        629574.00   4278261.00      230.73009  (15013009)              629574.00
4278311.00      220.90537  (15013009)
        629574.00   4278361.00      189.23756  (15013009)              629574.00
4278411.00      147.03709  (15013009)
        629574.00   4278461.00      144.71166  (15021308)              629574.00
4278511.00      139.50049  (15120709)
        629574.00   4278561.00      134.71664  (15120709)              629574.00
4278611.00      122.99189  (15120709)
        629574.00   4278711.00      118.48198  (14011409)              629574.00
4278761.00      112.21105  (14011409)
        629574.00   4278811.00      102.75973  (14011409)              629574.00
4278861.00       99.82231  (17121909)
        629574.00   4278911.00       97.18972  (17121909)              629524.00
4277661.00      212.82724  (15010909)
        629524.00   4277711.00      196.01123  (15011908)              629524.00
4277761.00      203.08542  (15011909)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629524.00	4277811.00	214.65685	(17022308)	629524.00	4277861.00	215.13536	(17022308)
629524.00	4277911.00	222.46709	(16011409)	629524.00	4277961.00	214.33650	(16011409)
629524.00	4278011.00	176.06158	(18121108)	629524.00	4278061.00	190.71802	(17120108)
629524.00	4278111.00	186.45455	(17120108)	629524.00	4278161.00	177.15336	(15120616)
629524.00	4278211.00	187.70836	(15120616)	629524.00	4278261.00	204.62480	(15013009)
629524.00	4278311.00	208.91103	(15013009)	629524.00	4278361.00	191.49586	(15013009)
629524.00	4278411.00	159.29260	(15013009)	629524.00	4278461.00	133.63850	(15021308)
629524.00	4278511.00	130.41059	(15021308)	629524.00	4278561.00	126.72934	(15120709)
629524.00	4278661.00	111.94426	(15120709)	629524.00	4278711.00	109.16371	(14011409)
629524.00	4278761.00	108.29124	(14011409)	629524.00	4278811.00	103.60629	(14011409)
629524.00	4278861.00	96.06022	(14011409)	629524.00	4278911.00	90.96201	(17121909)
629474.00	4277661.00	189.88944	(15010909)	629474.00	4277711.00	178.43271	(15011908)
629474.00	4277761.00	186.83172	(15011909)	629474.00	4277811.00	198.14348	(17022308)
629474.00	4277861.00	195.93466	(17022308)	629474.00	4277911.00	203.52364	(16011409)
629474.00	4277961.00	197.62595	(16011409)	629474.00	4278011.00	165.22123	(16011409)
629474.00	4278061.00	172.15841	(17120108)	629474.00	4278111.00	174.07121	(17120108)
629474.00	4278161.00	162.93289	(14010708)	629474.00	4278211.00	171.08781	(15120616)
629474.00	4278261.00	177.46559	(15013009)	629474.00	4278311.00	191.79134	(15013009)
629474.00	4278361.00	186.57973	(15013009)	629474.00	4278411.00	165.24447	(15013009)
629474.00	4278461.00	134.46916	(15013009)	629474.00	4278511.00	122.22969	(15021308)
629474.00	4278561.00	118.12955	(15021308)	629474.00	4278661.00	111.47149	(15120709)
629474.00	4278711.00	102.49828	(15120709)	629474.00	4278761.00	99.58564	(14011409)
629474.00	4278811.00	99.42730	(14011409)	629474.00	4278861.00	95.94597	(14011409)
629474.00	4278911.00	89.91428	(14011409)	629424.00	4277661.00	168.37603	(15010909)
629424.00	4277711.00	164.47004	(18012808)	629424.00	4277761.00	171.85182	(15011909)

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        629424.00   4277811.00      183.51215  (17022308)              629424.00
4277861.00      179.34942  (17022308)
        629424.00   4277911.00      187.18356  (16011409)              629424.00
4277961.00      183.12077  (16011409)
        629424.00   4278011.00      156.12453  (16011409)              629424.00
4278061.00      155.50672  (17120108)
        629424.00   4278111.00      161.70854  (17120108)              629424.00
4278161.00      150.59653  (14010708)
        629424.00   4278211.00      153.38944  (15120616)              629424.00
4278261.00      157.53849  (15120616)
        629424.00   4278311.00      171.96603  (15013009)              629424.00
4278361.00      176.46180  (15013009)
        629424.00   4278411.00      165.25545  (15013009)              629424.00
4278461.00      142.35532  (15013009)
        629424.00   4278511.00      113.91647  (15013009)              629424.00
4278611.00      107.55546  (15021308)
        629424.00   4278661.00      106.34139  (15120709)              629424.00
4278711.00      102.28903  (15120709)
        629424.00   4278761.00       94.35157  (15120709)              629424.00
4278811.00       91.30601  (14011409)
        629424.00   4278861.00       91.66507  (14011409)              629424.00
4278911.00       89.12711  (14011409)
        629374.00   4277661.00      152.48512  (15011908)              629374.00
4277711.00      153.87626  (15011909)
        629374.00   4277761.00      158.29149  (15011909)              629374.00
4277811.00      170.39315  (17022308)
        629374.00   4277861.00      164.99988  (17022308)              629374.00
4277911.00      172.97533  (16011409)
        629374.00   4277961.00      170.18855  (16011409)              629374.00
4278011.00      147.42496  (16011409)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629374.00	4278061.00	140.37520	(17120108)	629374.00	4278111.00	149.78642	(17120108)
629374.00	4278161.00	143.03669	(17120108)	629374.00	4278211.00	136.47673	(14010708)
629374.00	4278261.00	146.32177	(15120616)	629374.00	4278311.00	151.24316	(15013009)
629374.00	4278361.00	162.87040	(15013009)	629374.00	4278411.00	160.29272	(15013009)
629374.00	4278461.00	145.53775	(15013009)	629374.00	4278611.00	103.18567	(15021308)
629374.00	4278661.00	98.38509	(15021308)	629374.00	4278711.00	98.15450	(15120709)
629374.00	4278761.00	94.34853	(15120709)	629374.00	4278811.00	87.25556	(15120709)
629374.00	4278861.00	84.07346	(14011409)	629374.00	4278911.00	84.81915	(14011409)
629324.00	4277661.00	141.67899	(15011908)	629324.00	4277711.00	145.15141	(15011909)
629324.00	4277761.00	146.25523	(17022308)	629324.00	4277811.00	158.66803	(17022308)
629324.00	4277861.00	152.36250	(17022308)	629324.00	4277911.00	160.45257	(16011409)
629324.00	4277961.00	158.64675	(16011409)	629324.00	4278011.00	139.52618	(16011409)
629324.00	4278061.00	127.01794	(17120108)	629324.00	4278111.00	138.42701	(17120108)
629324.00	4278161.00	135.91272	(17120108)	629324.00	4278211.00	128.73015	(14010708)
629324.00	4278261.00	133.84101	(15120616)	629324.00	4278311.00	134.58059	(15120616)
629324.00	4278361.00	147.32865	(15013009)	629324.00	4278411.00	151.72436	(15013009)
629324.00	4278561.00	105.86602	(15013009)	629324.00	4278611.00	96.27093	(15021308)
629324.00	4278661.00	95.26866	(15021308)	629324.00	4278711.00	90.99684	(15120709)
629324.00	4278761.00	90.96332	(15120709)	629324.00	4278811.00	87.39511	(15120709)
629324.00	4278861.00	81.02785	(15120709)	629324.00	4278911.00	77.72504	(14011409)
629274.00	4277661.00	131.37784	(15011908)	629274.00	4277711.00	136.63300	(15011909)
629274.00	4277761.00	138.71484	(17022308)	629274.00	4277811.00	148.01265	(17022308)
629274.00	4277861.00	141.22926	(17022308)	629274.00	4277911.00	149.42171	(16011409)
629274.00	4277961.00	148.43810	(16011409)	629274.00	4278011.00	132.05498	(16011409)
629274.00	4278061.00	114.93701	(17120108)	629274.00	4278111.00	127.65285	(17120108)

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        629274.00   4278161.00      128.47244  (17120108)               629274.00
4278211.00      120.50536  (14010708)
        629274.00   4278261.00      120.91178  (15120616)               629274.00
4278311.00      126.81281  (15120616)
        629274.00   4278361.00      131.02325  (15013009)               629274.00
4278511.00      129.28466  (15013009)
        629274.00   4278561.00      112.02339  (15013009)               629274.00
4278611.00       91.51883  (15013009)
        629274.00   4278661.00       89.82359  (15021308)               629274.00
4278711.00       88.19408  (15021308)
        629274.00   4278761.00       84.92662  (15120709)               629274.00
4278811.00       84.60679  (15120709)
        629274.00   4278861.00       81.27401  (15120709)               629274.00
4278911.00       75.52733  (15120709)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630024.00	4277661.00	706.44838	(15010109)	630024.00	4277681.00	805.81335	(15010109)
630024.00	4277761.00	877.27183	(16122209)	630024.00	4277781.00	839.90704	(16122209)
630024.00	4277801.00	932.17063	(15010909)	630024.00	4277821.00	959.16425	(15010909)
630024.00	4277841.00	896.23575	(15010909)	630024.00	4277861.00	916.38027	(17022308)
630024.00	4277881.00	963.06307	(17022308)	630024.00	4277901.00	978.78058	(16011409)
630024.00	4277921.00	960.14071	(16011409)	630024.00	4277941.00	840.34350	(16011409)
630024.00	4277961.00	848.72302	(17120108)	630024.00	4277981.00	791.31349	(15120616)
630024.00	4278001.00	888.26734	(15013009)	630024.00	4278021.00	941.86388	(15013009)
630024.00	4278041.00	918.55561	(15013009)	630024.00	4278061.00	831.84210	(15013009)
630024.00	4278081.00	706.14290	(15013009)	630024.00	4278101.00	589.59268	(15021308)
630024.00	4278121.00	570.32697	(15120709)	630024.00	4278141.00	537.86896	(15120709)
630024.00	4278161.00	506.67552	(14011409)	630044.00	4277661.00	675.58629	(16012109)
630044.00	4277681.00	800.12287	(15010109)	630044.00	4277741.00	991.94720	(15010109)
630044.00	4277761.00	960.58198	(16122209)	630044.00	4277781.00	972.39651	(16122209)
630044.00	4277801.00	1003.66291	(15010909)	630044.00	4277821.00	1073.26309	(15010909)
630044.00	4277841.00	1034.09638	(15010909)	630044.00	4277861.00	1006.18189	(17022308)
630044.00	4277881.00	1074.37636	(17022308)	630044.00	4277901.00	1092.78380	(16011409)
630044.00	4277921.00	1065.12962	(16011409)	630044.00	4277941.00	935.31033	(17120108)
630044.00	4277961.00	938.41670	(17120108)	630044.00	4277981.00	923.25927	(15013009)
630044.00	4278001.00	1034.80951	(15013009)	630044.00	4278021.00	1049.81687	(15013009)
630044.00	4278041.00	975.81080	(15013009)	630044.00	4278061.00	840.54945	(15013009)
630044.00	4278081.00	677.56135	(15013009)	630044.00	4278101.00	641.43226	(15120709)
630044.00	4278121.00	603.77227	(15120709)	630044.00	4278141.00	568.36661	(14011409)
630044.00	4278161.00	550.15830	(14011409)	630064.00	4277661.00	705.98077	(15021908)
630064.00	4277741.00	1123.97186	(15010109)	630064.00	4277761.00	1109.42538	(15010109)

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        630064.00   4277781.00     1101.27248  (16122209)              630064.00
4277801.00     1067.98107  (15010909)
        630064.00   4277821.00     1195.59293  (15010909)              630064.00
4277841.00     1195.52100  (15010909)
        630064.00   4277861.00     1109.81294  (17022308)              630064.00
4277881.00     1208.12098  (17022308)
        630064.00   4277901.00     1231.33002  (16011409)              630064.00
4277921.00     1190.71118  (16011409)
        630064.00   4277941.00     1065.10602  (17120108)              630064.00
4277961.00     1037.49753  (17120108)
        630064.00   4277981.00     1114.42215  (15013009)              630064.00
4278001.00     1192.17646  (15013009)
        630064.00   4278021.00     1148.29855  (15013009)              630064.00
4278041.00     1009.70705  (15013009)
        630064.00   4278061.00      821.08150  (15013009)              630064.00
4278081.00      728.62156  (15120709)
        630064.00   4278101.00      684.73925  (15120709)              630064.00
4278121.00      643.68148  (14011409)
        630064.00   4278141.00      617.75107  (14011409)              630064.00
4278161.00      573.87054  (14011409)
        630084.00   4277741.00     1220.11843  (15010109)              630084.00
4277761.00     1292.83935  (15010109)
        630084.00   4277781.00     1243.77510  (15010109)              630084.00
4277801.00     1254.48724  (16122209)
        630084.00   4277821.00     1322.02556  (15010909)              630084.00
4277841.00     1383.36813  (15010909)
        630084.00   4277861.00     1262.50239  (15010909)              630084.00
4277881.00     1371.26261  (17022308)
        630084.00   4277901.00     1402.16137  (16011409)              630084.00
4277921.00     1343.17983  (16011409)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630084.00	4277941.00	1219.12230	(17120108)	630084.00	4277961.00	1160.51601	(15013009)
630084.00	4277981.00	1335.59475	(15013009)	630084.00	4278001.00	1351.38817	(15013009)
630084.00	4278021.00	1224.22247	(15013009)	630084.00	4278041.00	1009.07014	(15013009)
630084.00	4278061.00	838.00752	(15120709)	630084.00	4278081.00	786.13057	(15120709)
630084.00	4278101.00	737.25400	(14011409)	630084.00	4278121.00	700.15271	(14011409)
630084.00	4278141.00	641.43505	(14011409)	630084.00	4278161.00	604.09683	(17121909)
630104.00	4277701.00	940.33277	(15021908)	630104.00	4277721.00	1009.83173	(15010109)
630104.00	4277761.00	1438.75754	(15010109)	630104.00	4277781.00	1501.96028	(15010109)
630104.00	4277801.00	1439.12120	(16122209)	630104.00	4277821.00	1444.50194	(15010909)
630104.00	4277841.00	1599.16159	(15010909)	630104.00	4277861.00	1522.15091	(15010909)
630104.00	4277881.00	1573.29287	(17022308)	630104.00	4277901.00	1617.51561	(16011409)
630104.00	4277921.00	1531.13181	(16011409)	630104.00	4277941.00	1402.93538	(17120108)
630104.00	4277961.00	1457.20040	(15013009)	630104.00	4277981.00	1581.45341	(15013009)
630104.00	4278001.00	1496.30044	(15013009)	630104.00	4278021.00	1260.01419	(15013009)
630104.00	4278041.00	978.04427	(15120709)	630104.00	4278061.00	916.33373	(15120709)
630104.00	4278081.00	856.09956	(14011409)	630104.00	4278101.00	802.35387	(14011409)
630104.00	4278121.00	727.45369	(17121909)	630104.00	4278141.00	686.21124	(17121909)
630104.00	4278161.00	632.17807	(17121909)	630124.00	4277701.00	1026.12321	(15021908)
630124.00	4277721.00	1106.62666	(15021908)	630124.00	4277741.00	1196.12497	(15010109)
630124.00	4277761.00	1505.61564	(15010109)	630124.00	4277821.00	1699.81590	(16122209)
630124.00	4277841.00	1841.28135	(15010909)	630124.00	4277861.00	1848.96657	(15010909)
630124.00	4277881.00	1826.92243	(17022308)	630124.00	4277901.00	1894.45333	(16011409)
630124.00	4277921.00	1766.64286	(16011409)	630124.00	4277941.00	1621.41238	(17120108)
630124.00	4277961.00	1820.02208	(15013009)	630124.00	4277981.00	1837.05517	(15013009)
630124.00	4278001.00	1600.89744	(15013009)	630124.00	4278021.00	1234.55725	(15013009)

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        630124.00   4278041.00     1087.83905  (15120709)              630124.00
4278061.00     1010.84860  (14011409)
        630124.00   4278081.00      931.49053  (14011409)              630124.00
4278101.00      849.25683  (17121909)
        630124.00   4278121.00      784.53093  (17121909)              630124.00
4278141.00      707.11164  (17121909)
        630124.00   4278161.00      625.69693  (17121909)              630144.00
4277681.00     1067.38468  (14121409)
        630144.00   4277701.00     1080.68516  (14121409)              630144.00
4277721.00     1194.17696  (15021908)
        630144.00   4277741.00     1324.44632  (15021908)              630144.00
4277761.00     1449.16439  (15010109)
        630144.00   4277781.00     1855.35998  (15010109)              630144.00
4277841.00     2100.62670  (15010909)
        630144.00   4277861.00     2260.31465  (15010909)              630144.00
4277881.00     2151.02688  (17022308)
        630144.00   4277901.00     2258.45510  (16011409)              630144.00
4277921.00     2067.19854  (16011409)
        630144.00   4277941.00     2017.03503  (15013009)              630144.00
4277961.00     2247.41561  (15013009)
        630144.00   4277981.00     2070.39650  (15013009)              630144.00
4278001.00     1628.83495  (15013009)
        630144.00   4278021.00     1321.29075  (15120709)              630144.00
4278041.00     1218.18932  (14011409)
        630144.00   4278061.00     1098.05890  (14011409)              630144.00
4278081.00     1003.33634  (17121909)
        630144.00   4278101.00      902.60677  (17121909)              630144.00
4278121.00      791.82705  (17121909)
        630144.00   4278141.00      682.23645  (17121909)              630144.00
4278161.00      626.35869  (14011809)
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630164.00	4277661.00	1088.07933	(14121409)	630164.00	4277681.00	1202.83269	(14121409)
630164.00	4277701.00	1302.47217	(14121409)	630164.00	4277721.00	1369.95038	(14121409)
630164.00	4277741.00	1405.64150	(15021908)	630164.00	4277761.00	1617.96978	(15021908)
630164.00	4277781.00	1807.92296	(15010109)	630164.00	4277801.00	2361.49316	(15010109)
630164.00	4277861.00	2776.41291	(15010909)	630164.00	4277881.00	2574.49682	(17022308)
630164.00	4277901.00	2749.10717	(16011409)	630164.00	4277921.00	2460.62202	(16011409)
630164.00	4277941.00	2685.74653	(15013009)	630164.00	4277961.00	2716.16498	(15013009)
630164.00	4277981.00	2223.69795	(15013009)	630164.00	4278001.00	1652.84040	(15120709)
630164.00	4278021.00	1507.07935	(14011409)	630164.00	4278041.00	1332.17544	(17121909)
630164.00	4278061.00	1201.50878	(17121909)	630164.00	4278081.00	1044.04281	(17121909)
630164.00	4278101.00	885.06104	(17121909)	630164.00	4278121.00	812.91804	(14011809)
630164.00	4278141.00	787.50638	(14011809)	630164.00	4278161.00	753.55909	(14011809)
630184.00	4277661.00	1039.41957	(14121409)	630184.00	4277681.00	1210.04154	(14121409)
630184.00	4277701.00	1394.22628	(14121409)	630184.00	4277721.00	1580.41507	(14121409)
630184.00	4277741.00	1746.59221	(14121409)	630184.00	4277761.00	1855.29921	(14121409)
630184.00	4277781.00	2027.22254	(15021908)	630184.00	4277801.00	2347.73307	(15010109)
630184.00	4277861.00	3417.17166	(15010909)	630184.00	4277881.00	3400.71140	(15010909)
630184.00	4277901.00	3425.43908	(16011409)	630184.00	4277921.00	3028.44646	(15013009)
630184.00	4277941.00	3555.97727	(15013009)	630184.00	4277961.00	3159.93667	(15013009)
630184.00	4277981.00	2205.17515	(15013009)	630184.00	4278001.00	1931.02281	(14011409)
630184.00	4278021.00	1693.44535	(17121909)	630184.00	4278041.00	1459.67128	(17121909)
630184.00	4278061.00	1211.04986	(17121909)	630184.00	4278081.00	1106.91949	(14011809)
630184.00	4278101.00	1049.63183	(14011809)	630184.00	4278121.00	982.09254	(14011809)
630184.00	4278141.00	911.09597	(14011809)	630184.00	4278161.00	840.77055	(14011809)
630204.00	4277661.00	1033.49849	(18122109)	630204.00	4277681.00	1117.88018	(18122109)

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        630204.00   4277701.00     1297.19291  (14121409)              630204.00
4277721.00     1570.61950  (14121409)
        630204.00   4277741.00     1885.04901  (14121409)              630204.00
4277761.00     2221.74646  (14121409)
        630204.00   4277781.00     2532.83026  (14121409)              630204.00
4277801.00     2719.18417  (14121409)
        630204.00   4277821.00     3234.26168  (15010109)              630204.00
4277901.00     4352.79737  (16011409)
        630204.00   4277921.00     4447.05934  (15013009)              630204.00
4277941.00     4641.49172  (15013009)
        630204.00   4277961.00     3417.94746  (15013009)              630204.00
4277981.00     2652.11131  (15020308)
        630204.00   4278001.00     2226.49223  (17121909)              630204.00
4278021.00     1796.96483  (17121909)
        630204.00   4278041.00     1618.74212  (14011809)              630204.00
4278061.00     1483.03994  (14011809)
        630204.00   4278081.00     1340.38518  (14011809)              630204.00
4278101.00     1203.41798  (14011809)
        630204.00   4278121.00     1077.49313  (14011809)              630204.00
4278141.00      964.24243  (14011809)
        630204.00   4278161.00      863.84224  (14011809)              630224.00
4277661.00     1086.67330  (18122109)
        630224.00   4277681.00     1222.52864  (18122109)              630224.00
4277701.00     1378.91916  (18122109)
        630224.00   4277721.00     1557.58474  (18122109)              630224.00
4277741.00     1758.39340  (18122109)
        630224.00   4277761.00     2156.78045  (14121409)              630224.00
4277781.00     2766.31646  (14121409)
        630224.00   4277801.00     3487.11338  (14121409)              630224.00
4277821.00     4194.43606  (14121409)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630224.00	4277901.00	6162.84685	(15010108)	630224.00	4277921.00	6451.37827	(15013009)
630224.00	4277941.00	5858.32484	(15013009)	630224.00	4277961.00	3996.08412	(15020308)
630224.00	4277981.00	3045.84060	(17121909)	630224.00	4278001.00	2662.79047	(14011809)
630224.00	4278021.00	2292.00040	(14011809)	630224.00	4278041.00	1953.69950	(14011809)
630224.00	4278061.00	1665.01459	(14011809)	630224.00	4278081.00	1424.57552	(14011809)
630224.00	4278101.00	1225.68752	(14011809)	630224.00	4278121.00	1061.26691	(14011809)
630224.00	4278141.00	924.77130	(14011809)	630224.00	4278161.00	836.31106	(14011309)
630244.00	4277701.00	1407.34382	(16010809)	630244.00	4277721.00	1602.73618	(16010809)
630244.00	4277741.00	1847.10602	(16010809)	630244.00	4277761.00	2211.14020	(18122109)
630244.00	4277781.00	2690.65048	(18122109)	630244.00	4277801.00	3306.99837	(18122109)
630244.00	4277821.00	4641.72609	(14121409)	630244.00	4277841.00	6635.95849	(14121409)
630244.00	4277941.00	6697.14505	(14011408)	630244.00	4277961.00	5490.48249	(14011809)
630244.00	4277981.00	4122.83819	(14011809)	630244.00	4278001.00	3138.11766	(14011809)
630244.00	4278021.00	2443.76717	(14011809)	630244.00	4278041.00	1945.43014	(14011809)
630244.00	4278061.00	1640.54618	(14011309)	630244.00	4278081.00	1408.82769	(14011309)
630244.00	4278101.00	1225.39455	(14011309)	630244.00	4278121.00	1077.74788	(14011309)
630244.00	4278141.00	956.91528	(14011309)	630244.00	4278161.00	856.60618	(14011309)
630264.00	4277741.00	1987.59359	(16010809)	630264.00	4277761.00	2387.23364	(16010809)
630264.00	4277781.00	2946.10332	(16010809)	630264.00	4277801.00	3768.05831	(16010809)
630264.00	4277821.00	5053.01291	(16010809)	630264.00	4277841.00	7103.95513	(16010809)
630264.00	4277941.00	7852.98268	(14010108)	630264.00	4277961.00	5844.11661	(14011309)
630264.00	4277981.00	4179.46107	(14010109)	630264.00	4278001.00	3171.55774	(14010109)
630264.00	4278021.00	2508.41512	(14010109)	630264.00	4278041.00	2049.60504	(14010109)
630264.00	4278061.00	1717.26270	(14010109)	630264.00	4278081.00	1467.87205	(14010109)
630264.00	4278101.00	1274.87855	(14010109)	630264.00	4278121.00	1121.75372	(14010109)

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        630264.00   4278141.00      997.81319  (14010109)              630264.00
4278161.00      895.68182  (14010109)
        630284.00   4277661.00     1071.85075  (15022508)              630284.00
4277681.00     1207.05177  (15022508)
        630284.00   4277801.00     3248.98032  (15022508)              630284.00
4277821.00     4197.49082  (15120708)
        630284.00   4277841.00     5519.81635  (15120708)              630284.00
4277941.00     7026.08296  (14010108)
        630284.00   4277961.00     4926.93383  (14010109)              630284.00
4277981.00     3741.35831  (14010109)
        630284.00   4278001.00     2929.13857  (14010109)              630284.00
4278021.00     2366.16064  (14010109)
        630284.00   4278041.00     1961.90891  (14010109)              630284.00
4278061.00     1661.36556  (14010109)
        630284.00   4278081.00     1431.09699  (14010109)              630284.00
4278101.00     1250.25703  (14010109)
        630284.00   4278121.00     1105.28433  (14010109)              630284.00
4278141.00      986.79209  (14010109)
        630284.00   4278161.00      888.47471  (14010109)              630304.00
4277661.00     1065.00589  (17121516)
        630304.00   4277681.00     1185.34548  (17121516)              630304.00
4277701.00     1325.20164  (17121516)
        630304.00   4277721.00     1487.10964  (17121516)              630324.00
4277661.00      952.00833  (14011508)
        630324.00   4277681.00     1058.29255  (15012208)              630324.00
4277701.00     1194.68574  (16021208)
        630324.00   4277721.00     1410.44650  (16021208)              630324.00
4277741.00     1659.81093  (16021208)
        630324.00   4277761.00     1934.14634  (16021208)              630324.00
4277781.00     2238.07480  (16021108)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630344.00	4277661.00	953.94966	(16021208)	630344.00	4277681.00	1082.52459	(16021208)
630344.00	4277701.00	1220.40588	(16021208)	630344.00	4277721.00	1360.08958	(16021208)
630344.00	4277741.00	1519.73962	(16021108)	630344.00	4277761.00	1736.44162	(16021108)
630344.00	4277781.00	1907.06823	(16021108)	630344.00	4277801.00	2254.44440	(15011209)
630344.00	4277821.00	2913.81669	(15011209)	630344.00	4277881.00	3700.27390	(17011609)
630344.00	4277901.00	3700.26198	(14120716)	630344.00	4277921.00	4141.70549	(15011709)
630344.00	4277941.00	3906.15189	(14012809)	630344.00	4277961.00	3576.47129	(14012809)
630344.00	4277981.00	2625.40326	(14012809)	630344.00	4278001.00	2006.17033	(17121908)
630344.00	4278021.00	1687.21369	(17121908)	630344.00	4278041.00	1365.71901	(17121908)
630344.00	4278061.00	1183.00113	(15010709)	630344.00	4278081.00	1071.51247	(15010709)
630344.00	4278101.00	957.30507	(15010709)	630344.00	4278121.00	848.74101	(15010709)
630344.00	4278141.00	749.53021	(15010709)	630344.00	4278161.00	661.07444	(15010709)
630364.00	4277661.00	943.21311	(16021208)	630364.00	4277681.00	1021.99383	(16021208)
630364.00	4277701.00	1122.91332	(16021108)	630364.00	4277721.00	1252.22118	(16021108)
630364.00	4277741.00	1359.07982	(16021108)	630364.00	4277761.00	1525.80925	(18021708)
630364.00	4277781.00	1750.68439	(15011209)	630364.00	4277801.00	2175.53101	(15011209)
630364.00	4277821.00	2401.97445	(15011209)	630364.00	4277881.00	2827.61492	(17011609)
630364.00	4277901.00	2940.44216	(14120716)	630364.00	4277921.00	3069.25740	(15011709)
630364.00	4277941.00	3071.10046	(15011709)	630364.00	4277961.00	2919.75794	(14012809)
630364.00	4277981.00	2521.42367	(14012809)	630364.00	4278001.00	1878.22214	(14012809)
630364.00	4278021.00	1518.66919	(17121908)	630364.00	4278041.00	1341.55259	(17121908)
630364.00	4278061.00	1142.68546	(17121908)	630364.00	4278081.00	951.33882	(17121908)
630364.00	4278101.00	869.82869	(15010709)	630364.00	4278121.00	808.47355	(15010709)
630364.00	4278141.00	742.30412	(15010709)	630364.00	4278161.00	676.03123	(15010709)
630384.00	4277661.00	876.10863	(16021108)	630384.00	4277681.00	960.66113	(16021108)

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        630384.00   4277701.00     1032.26484  (16021108)              630384.00
4277721.00     1106.86352  (18021708)
        630384.00   4277741.00     1249.25073  (18021708)              630384.00
4277761.00     1413.94472  (15011209)
        630384.00   4277781.00     1707.06642  (15011209)              630384.00
4277801.00     1880.57353  (15011209)
        630384.00   4277821.00     1828.54227  (15011209)              630384.00
4277881.00     2220.57878  (17011609)
        630384.00   4277901.00     2391.76382  (14120716)              630384.00
4277921.00     2340.48812  (15011709)
        630384.00   4277941.00     2499.27051  (15011709)              630384.00
4277961.00     2291.18108  (14012809)
        630384.00   4277981.00     2230.31769  (14012809)              630384.00
4278001.00     1881.92756  (14012809)
        630384.00   4278021.00     1424.80769  (14012809)              630384.00
4278041.00     1199.08146  (17121908)
        630384.00   4278061.00     1095.64008  (17121908)              630384.00
4278081.00      967.66097  (17121908)
        630384.00   4278101.00      835.16013  (17121908)              630384.00
4278121.00      723.48695  (18011709)
        630384.00   4278141.00      674.22165  (15010709)              630384.00
4278161.00      637.61838  (15010709)
        630404.00   4277661.00      819.65939  (16021108)              630404.00
4277681.00      870.47197  (16120909)
        630404.00   4277701.00      952.38604  (18021708)              630404.00
4277721.00     1042.45423  (18021708)
        630404.00   4277741.00     1175.27590  (15011209)              630404.00
4277761.00     1388.15441  (15011209)
        630404.00   4277781.00     1522.16567  (15011209)              630404.00
4277801.00     1514.21735  (15011209)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630404.00	4277821.00	1509.27347	(14022408)	630404.00	4277881.00	1806.06752	(14120716)
630404.00	4277901.00	1990.07467	(14120716)	630404.00	4277921.00	1828.12894	(15011709)
630404.00	4277941.00	2047.64385	(15011709)	630404.00	4277961.00	1930.86189	(15011709)
630404.00	4277981.00	1880.88306	(14012809)	630404.00	4278001.00	1751.50173	(14012809)
630404.00	4278021.00	1464.38492	(14012809)	630404.00	4278041.00	1130.59040	(16022708)
630404.00	4278061.00	979.26436	(14120816)	630404.00	4278081.00	913.97798	(17121908)
630404.00	4278101.00	829.34809	(17121908)	630404.00	4278121.00	735.88346	(17121908)
630404.00	4278141.00	642.31688	(17121908)	630404.00	4278161.00	578.64771	(18011709)
630424.00	4277661.00	748.77696	(18021708)	630424.00	4277681.00	826.80814	(18021708)
630424.00	4277701.00	883.89005	(18021708)	630424.00	4277721.00	998.43122	(15011209)
630424.00	4277741.00	1159.22713	(15011209)	630424.00	4277761.00	1264.99962	(15011209)
630424.00	4277781.00	1275.50301	(15011209)	630424.00	4277801.00	1275.08389	(14022408)
630424.00	4277821.00	1236.36620	(15012009)	630424.00	4277881.00	1552.31125	(14120716)
630424.00	4277901.00	1688.08544	(14120716)	630424.00	4277921.00	1518.71660	(14120716)
630424.00	4277941.00	1691.11157	(15011709)	630424.00	4277961.00	1685.79355	(15011709)
630424.00	4277981.00	1541.67295	(14012809)	630424.00	4278001.00	1554.17329	(14012809)
630424.00	4278021.00	1410.41865	(14012809)	630424.00	4278041.00	1175.93847	(14012809)
630424.00	4278061.00	938.91848	(16022708)	630424.00	4278081.00	835.34669	(14120816)
630424.00	4278101.00	775.84499	(17121908)	630424.00	4278121.00	718.80816	(17121908)
630424.00	4278141.00	651.80194	(17121908)	630424.00	4278161.00	581.52622	(17121908)
630444.00	4277661.00	723.96186	(18021708)	630444.00	4277681.00	759.78999	(18021708)
630444.00	4277701.00	863.09678	(15011209)	630444.00	4277721.00	988.29213	(15011209)
630444.00	4277741.00	1073.37157	(15011209)	630444.00	4277761.00	1091.45424	(15011209)
630444.00	4277781.00	1079.17761	(14022408)	630444.00	4277801.00	1084.14668	(14022408)
630444.00	4277821.00	1118.68161	(15021508)	630444.00	4277881.00	1352.44750	(14120716)

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        630444.00   4277901.00     1454.21909  (14120716)              630444.00
4277921.00     1325.90315  (14120716)
        630444.00   4277941.00     1408.91989  (15011709)              630444.00
4277961.00     1466.04331  (15011709)
        630444.00   4277981.00     1351.60837  (15011709)              630444.00
4278001.00     1336.26329  (14012809)
        630444.00   4278021.00     1298.51551  (14012809)              630444.00
4278041.00     1160.02265  (14012809)
        630444.00   4278061.00      967.40021  (14012809)              630444.00
4278081.00      796.07208  (16022708)
        630444.00   4278101.00      724.08197  (14120816)              630444.00
4278121.00      668.19507  (17121908)
        630444.00   4278141.00      629.18751  (17121908)              630444.00
4278161.00      580.58846  (17121908)
        630464.00   4277661.00      660.69002  (18021708)              630464.00
4277681.00      756.51558  (15011209)
        630464.00   4277701.00      856.52046  (15011209)              630464.00
4277721.00      926.32073  (15011209)
        630464.00   4277741.00      947.04869  (15011209)              630464.00
4277761.00      919.33668  (14022408)
        630464.00   4277781.00      955.02045  (14022408)              630464.00
4277801.00      922.20809  (15012009)
        630464.00   4277821.00     1020.00719  (17011609)              630464.00
4277881.00     1191.50424  (14120716)
        630464.00   4277901.00     1271.17180  (14120716)              630464.00
4277921.00     1171.65663  (14120716)
        630464.00   4277941.00     1194.61228  (15120816)              630464.00
4277961.00     1273.93045  (15011709)
        630464.00   4277981.00     1228.55058  (15011709)              630464.00
4278001.00     1125.02433  (14012809)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630464.00	4278021.00	1157.97507	(14012809)	630464.00	4278041.00	1097.84979	(14012809)
630464.00	4278061.00	971.33851	(14012809)	630464.00	4278081.00	811.53233	(14012809)
630464.00	4278101.00	686.54397	(16022708)	630464.00	4278121.00	635.95507	(14120816)
630464.00	4278141.00	582.47322	(17121908)	630464.00	4278161.00	555.58558	(17121908)
630484.00	4277661.00	670.67578	(15011209)	630484.00	4277681.00	752.36448	(15011209)
630484.00	4277701.00	810.52441	(15011209)	630484.00	4277721.00	831.67622	(15011209)
630484.00	4277741.00	805.25089	(15011209)	630484.00	4277761.00	839.57355	(14022408)
630484.00	4277781.00	822.47432	(14022408)	630484.00	4277801.00	840.16793	(15021508)
630484.00	4277821.00	943.76987	(17011609)	630484.00	4277881.00	1060.96627	(14120716)
630484.00	4277901.00	1124.13372	(14120716)	630484.00	4277921.00	1044.82326	(14120716)
630484.00	4277941.00	1046.04156	(15120816)	630484.00	4277961.00	1108.56350	(15011709)
630484.00	4277981.00	1108.74588	(15011709)	630484.00	4278001.00	1012.65089	(15011709)
630484.00	4278021.00	1009.53745	(14012809)	630484.00	4278041.00	1007.34776	(14012809)
630484.00	4278061.00	938.77990	(14012809)	630484.00	4278081.00	825.73693	(14012809)
630484.00	4278101.00	693.24758	(16022708)	630484.00	4278121.00	600.07634	(16022708)
630484.00	4278141.00	564.29594	(14120816)	630484.00	4278161.00	514.21138	(14120816)
630504.00	4277661.00	668.06140	(15011209)	630504.00	4277681.00	717.31555	(15011209)
630504.00	4277701.00	737.85545	(15011209)	630504.00	4277721.00	721.85714	(15011209)
630504.00	4277741.00	739.38197	(14022408)	630504.00	4277761.00	746.04098	(14022408)
630504.00	4277781.00	722.55742	(15012009)	630504.00	4277801.00	778.88579	(15021508)
630504.00	4277821.00	869.42374	(17011609)	630504.00	4277881.00	952.82591	(14120716)
630504.00	4277901.00	1003.54535	(14120716)	630504.00	4277921.00	939.57361	(14120716)
630504.00	4277941.00	920.56634	(15120816)	630504.00	4277961.00	966.95259	(15011709)
630504.00	4277981.00	996.37054	(15011709)	630504.00	4278001.00	944.00952	(15011709)
630504.00	4278021.00	866.10182	(14012809)	630504.00	4278041.00	903.16188	(14012809)

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        630504.00   4278061.00      881.03211  (14012809)              630504.00
4278081.00      811.22846  (14012809)
        630504.00   4278101.00      710.95387  (14012809)              630504.00
4278121.00      608.92883  (16022708)
        630504.00   4278141.00      531.82421  (14120816)              630504.00
4278161.00      505.36018  (14120816)
        630524.00   4277661.00      640.87827  (15011209)              630524.00
4277681.00      660.44344  (15011209)
        630524.00   4277701.00      651.34659  (15011209)              630524.00
4277721.00      653.32681  (14022408)
        630524.00   4277741.00      674.01567  (14022408)              630524.00
4277761.00      649.50897  (14022408)
        630524.00   4277781.00      660.11768  (15021508)              630524.00
4277801.00      723.02545  (17011609)
        630524.00   4277821.00      799.12953  (17011609)              630524.00
4277881.00      861.98732  (14120716)
        630524.00   4277901.00      903.40416  (14120716)              630524.00
4277921.00      850.97594  (14120716)
        630524.00   4277941.00      814.21724  (15120816)              630524.00
4277961.00      851.58234  (15120816)
        630524.00   4277981.00      893.58636  (15011709)              630524.00
4278001.00      873.25230  (15011709)
        630524.00   4278021.00      794.64091  (15011709)              630524.00
4278041.00      795.98266  (14012809)
        630524.00   4278061.00      808.13223  (14012809)              630524.00
4278081.00      775.08614  (14012809)
        630524.00   4278101.00      707.46890  (14012809)              630524.00
4278121.00      618.82531  (14012809)
        630524.00   4278141.00      540.25103  (16022708)              630524.00
4278161.00      477.25834  (14120816)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630024.00	4278211.00	452.29379	(14011409)	630024.00	4278261.00	398.68008	(17121909)
630024.00	4278311.00	338.92657	(17121909)	630024.00	4278361.00	272.10653	(17121909)
630024.00	4278411.00	240.22000	(15110208)	630024.00	4278461.00	224.14600	(14011809)
630024.00	4278511.00	222.14251	(14011809)	630024.00	4278561.00	215.49544	(14011809)
630024.00	4278611.00	205.74028	(14011809)	630024.00	4278711.00	181.59439	(14011809)
630024.00	4278761.00	168.91799	(14011809)	630024.00	4278811.00	156.40830	(14011809)
630024.00	4278861.00	144.40501	(14011809)	630024.00	4278911.00	133.05919	(14011809)
630074.00	4278211.00	498.52631	(17121909)	630074.00	4278261.00	391.09692	(17121909)
630074.00	4278311.00	326.41549	(15110208)	630074.00	4278361.00	314.69588	(14011809)
630074.00	4278411.00	302.80770	(14011809)	630074.00	4278461.00	284.70493	(14011809)
630074.00	4278511.00	263.46198	(14011809)	630074.00	4278561.00	241.41675	(14011809)
630074.00	4278611.00	219.74972	(14011809)	630074.00	4278711.00	180.26005	(14011809)
630074.00	4278761.00	162.76964	(14011809)	630074.00	4278811.00	146.98955	(14011809)
630074.00	4278861.00	132.67551	(14011809)	630074.00	4278911.00	122.25104	(14011309)
630124.00	4278211.00	498.43610	(14011809)	630124.00	4278261.00	475.13370	(14011809)
630124.00	4278311.00	435.13149	(14011809)	630124.00	4278361.00	389.65804	(14011809)
630124.00	4278411.00	344.77261	(14011809)	630124.00	4278461.00	303.22530	(14011809)
630124.00	4278511.00	266.09883	(14011809)	630124.00	4278561.00	233.33373	(14011809)
630124.00	4278611.00	204.78786	(14011809)	630124.00	4278711.00	172.15729	(14011309)
630124.00	4278761.00	161.30642	(14011309)	630124.00	4278811.00	151.20215	(14011309)
630124.00	4278861.00	141.87043	(14011309)	630124.00	4278911.00	133.26802	(14011309)
630174.00	4278211.00	672.26079	(14011809)	630174.00	4278261.00	555.35651	(14011809)
630174.00	4278311.00	458.37257	(14011809)	630174.00	4278361.00	379.88861	(14011809)
630174.00	4278411.00	324.21052	(14011309)	630174.00	4278461.00	291.71964	(14011309)
630174.00	4278511.00	263.37123	(14011309)	630174.00	4278561.00	238.72509	(14011309)

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        630174.00   4278611.00      217.30968  (14011309)              630174.00
4278711.00      182.19492  (14011309)
        630174.00   4278761.00      167.62238  (14011309)              630174.00
4278811.00      154.76715  (14011309)
        630174.00   4278861.00      143.43795  (14011309)              630174.00
4278911.00      133.24148  (14011309)
        630224.00   4278211.00      670.80309  (14011309)              630224.00
4278261.00      550.82131  (14011309)
        630224.00   4278311.00      461.37814  (14011309)              630224.00
4278361.00      392.97408  (14011309)
        630224.00   4278411.00      339.39754  (14011309)              630224.00
4278461.00      296.35117  (14011309)
        630224.00   4278511.00      261.49103  (14011309)              630224.00
4278561.00      232.84976  (14011309)
        630224.00   4278611.00      208.77720  (14011309)              630224.00
4278711.00      175.80991  (14010109)
        630224.00   4278761.00      162.84447  (14010109)              630224.00
4278811.00      151.29618  (14010109)
        630224.00   4278861.00      141.09484  (14010109)              630224.00
4278911.00      132.06255  (14010109)
        630274.00   4278211.00      712.27342  (14010109)              630274.00
4278261.00      581.49099  (14010109)
        630274.00   4278311.00      487.16781  (14010109)              630274.00
4278361.00      416.47923  (14010109)
        630274.00   4278411.00      361.87943  (14010109)              630274.00
4278461.00      318.48496  (14010109)
        630274.00   4278511.00      283.26784  (14010109)              630274.00
4278561.00      254.30049  (14010109)
        630274.00   4278611.00      230.12182  (14010109)              630274.00
4278711.00      192.17440  (14010109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630274.00	4278761.00	177.06760	(14010109)	630274.00	4278811.00	163.88538	(14010109)
630274.00	4278861.00	152.30064	(14010109)	630274.00	4278911.00	142.06563	(14010109)
630374.00	4278211.00	533.28928	(15010709)	630374.00	4278261.00	423.96885	(14011808)
630374.00	4278311.00	353.51897	(14011808)	630374.00	4278361.00	302.63264	(16120608)
630374.00	4278411.00	270.85322	(16120608)	630374.00	4278461.00	242.79926	(16120608)
630374.00	4278511.00	218.34175	(16120608)	630374.00	4278561.00	197.19414	(16120608)
630374.00	4278611.00	179.27321	(18021408)	630374.00	4278711.00	153.77573	(18021408)
630374.00	4278761.00	143.79818	(14010109)	630374.00	4278811.00	135.77163	(14010109)
630374.00	4278861.00	128.22621	(14010109)	630374.00	4278911.00	121.48211	(14010109)
630424.00	4278211.00	456.91633	(18011709)	630424.00	4278261.00	415.58276	(15010709)
630424.00	4278311.00	363.53413	(15010709)	630424.00	4278361.00	310.69878	(15010709)
630424.00	4278411.00	262.70728	(14011808)	630424.00	4278461.00	231.79050	(14011808)
630424.00	4278511.00	203.99724	(14011808)	630424.00	4278561.00	180.29807	(16120608)
630424.00	4278611.00	168.08655	(16120608)	630424.00	4278711.00	145.67270	(16120608)
630424.00	4278761.00	135.64885	(16120608)	630424.00	4278811.00	126.48538	(16120608)
630424.00	4278861.00	118.01235	(16120608)	630424.00	4278911.00	110.26884	(16120608)
630474.00	4278211.00	457.75258	(17121908)	630474.00	4278261.00	363.51105	(18011709)
630474.00	4278311.00	311.77560	(18011709)	630474.00	4278361.00	290.75168	(15010709)
630474.00	4278411.00	266.35705	(15010709)	630474.00	4278461.00	238.52297	(15010709)
630474.00	4278511.00	210.59156	(15010709)	630474.00	4278561.00	184.20382	(14011808)
630474.00	4278611.00	167.65296	(14011808)	630474.00	4278711.00	137.61266	(14011808)
630474.00	4278761.00	124.33317	(14011808)	630474.00	4278811.00	117.11323	(16120608)
630474.00	4278861.00	111.30189	(16120608)	630474.00	4278911.00	105.76793	(16120608)
630524.00	4278211.00	404.96789	(17121908)	630524.00	4278261.00	367.28515	(17121908)
630524.00	4278311.00	310.09552	(17121908)	630524.00	4278361.00	263.33299	(18011709)

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        630524.00   4278411.00      231.03409  (18011709)              630524.00
4278461.00      217.67301  (15010709)
        630524.00   4278511.00      205.14937  (15010709)              630524.00
4278561.00      189.44662  (15010709)
        630524.00   4278611.00      172.41153  (15010709)              630524.00
4278711.00      138.90685  (15010709)
        630524.00   4278761.00      128.90565  (14011808)              630524.00
4278811.00      119.17880  (14011808)
        630524.00   4278861.00      109.90604  (14011808)              630524.00
4278911.00      101.16457  (14011808)
        630574.00   4278211.00      375.85656  (14120816)              630574.00
4278261.00      330.45360  (14120816)
        630574.00   4278311.00      300.51776  (17121908)              630574.00
4278361.00      266.11251  (17121908)
        630574.00   4278411.00      224.96834  (17121908)              630574.00
4278461.00      202.49107  (18011709)
        630574.00   4278511.00      180.53064  (18011709)              630574.00
4278561.00      170.57295  (15010709)
        630574.00   4278611.00      163.92560  (15010709)              630574.00
4278711.00      143.83121  (15010709)
        630574.00   4278761.00      132.43200  (15010709)              630574.00
4278811.00      121.03621  (15010709)
        630574.00   4278861.00      109.87150  (14011808)              630574.00
4278911.00      103.31236  (14011808)
        630624.00   4278211.00      376.70635  (16022708)              630624.00
4278261.00      306.43875  (14120816)
        630624.00   4278311.00      276.66573  (14120816)              630624.00
4278361.00      250.26615  (17121908)
        630624.00   4278411.00      229.54189  (17121908)              630624.00
4278461.00      201.58555  (17121908)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630624.00	4278511.00	175.30937	(18011709)	630624.00	4278561.00	162.23868	(18011709)
630624.00	4278611.00	146.37791	(18011709)	630624.00	4278711.00	134.60052	(15010709)
630624.00	4278761.00	128.91563	(15010709)	630624.00	4278811.00	121.92820	(15010709)
630624.00	4278861.00	114.17230	(15010709)	630624.00	4278911.00	106.05322	(15010709)
630674.00	4278211.00	384.51206	(14012809)	630674.00	4278261.00	308.40901	(16022708)
630674.00	4278311.00	256.43853	(14120816)	630674.00	4278361.00	236.05549	(14120816)
630674.00	4278411.00	211.64958	(17121908)	630674.00	4278461.00	199.35873	(17121908)
630674.00	4278511.00	180.35033	(17121908)	630674.00	4278561.00	158.01291	(17121908)
630674.00	4278611.00	144.04798	(18011709)	630674.00	4278711.00	121.98541	(18011709)
630674.00	4278761.00	114.81882	(15010709)	630674.00	4278811.00	112.96066	(15010709)
630674.00	4278861.00	109.48197	(15010709)	630674.00	4278911.00	104.81644	(15010709)
630724.00	4278211.00	362.07857	(14012809)	630724.00	4278261.00	312.30206	(14012809)
630724.00	4278311.00	258.07233	(16022708)	630724.00	4278361.00	218.94425	(14120816)
630724.00	4278411.00	204.57403	(14120816)	630724.00	4278461.00	181.34251	(17121908)
630724.00	4278511.00	174.44044	(17121908)	630724.00	4278561.00	161.57492	(17121908)
630724.00	4278611.00	145.20023	(17121908)	630724.00	4278711.00	121.17419	(18011709)
630724.00	4278761.00	113.14858	(18011709)	630724.00	4278811.00	103.82416	(18011709)
630724.00	4278861.00	97.23666	(15010709)	630724.00	4278911.00	96.38087	(15010709)
630774.00	4278211.00	319.95677	(14012809)	630774.00	4278261.00	305.31400	(14012809)
630774.00	4278311.00	257.96145	(14012809)	630774.00	4278361.00	219.78445	(16022708)
630774.00	4278411.00	189.92500	(14120816)	630774.00	4278461.00	179.59426	(14120816)
630774.00	4278511.00	159.03733	(15011708)	630774.00	4278561.00	153.73655	(17121908)
630774.00	4278611.00	145.12779	(17121908)	630774.00	4278711.00	119.29841	(17121908)
630774.00	4278761.00	108.87133	(18011709)	630774.00	4278811.00	103.84391	(18011709)
630774.00	4278861.00	97.31239	(18011709)	630774.00	4278911.00	89.83770	(18011709)

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        630824.00   4278211.00      269.94229  (14012809)              630824.00
4278261.00      281.07074  (14012809)
        630824.00   4278311.00      259.39936  (14012809)              630824.00
4278361.00      216.15291  (14012809)
        630824.00   4278411.00      189.93508  (16022708)              630824.00
4278461.00      167.01074  (14120816)
        630824.00   4278511.00      159.32409  (14120816)              630824.00
4278561.00      143.03108  (14120816)
        630824.00   4278611.00      136.39651  (17121908)              630824.00
4278711.00      122.08919  (17121908)
        630824.00   4278761.00      111.40040  (17121908)              630824.00
4278811.00       99.64771  (17121908)
        630824.00   4278861.00       94.63796  (18011709)              630824.00
4278911.00       90.31593  (18011709)
        630874.00   4278211.00      220.25912  (14012809)              630874.00
4278261.00      247.41946  (14012809)
        630874.00   4278311.00      246.59085  (14012809)              630874.00
4278361.00      222.16964  (14012809)
        630874.00   4278411.00      188.71656  (16022708)              630874.00
4278461.00      166.11862  (16022708)
        630874.00   4278511.00      148.41271  (14120816)              630874.00
4278561.00      142.67424  (14120816)
        630874.00   4278611.00      129.80955  (14120816)              630874.00
4278711.00      118.28997  (17121908)
        630874.00   4278761.00      112.02567  (17121908)              630874.00
4278811.00      103.81673  (17121908)
        630874.00   4278861.00       94.39474  (17121908)              630874.00
4278911.00       85.85620  (18011709)
        630924.00   4278211.00      209.04835  (15011709)              630924.00
4278261.00      210.35828  (14012809)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630924.00	4278311.00	224.52274	(14012809)	630924.00	4278361.00	216.65292	(14012809)
630924.00	4278411.00	191.70479	(14012809)	630924.00	4278461.00	166.97677	(16022708)
630924.00	4278511.00	146.73080	(16022708)	630924.00	4278561.00	133.10189	(14120816)
630924.00	4278611.00	128.77098	(14120816)	630924.00	4278711.00	109.27697	(17121908)
630924.00	4278761.00	107.37604	(17121908)	630924.00	4278811.00	102.94326	(17121908)
630924.00	4278861.00	96.67920	(17121908)	630924.00	4278911.00	89.16013	(17121908)
630974.00	4278211.00	204.38866	(15011709)	630974.00	4278261.00	174.28993	(14012809)
630974.00	4278311.00	197.53786	(14012809)	630974.00	4278361.00	202.72310	(14012809)
630974.00	4278411.00	190.89729	(14012809)	630974.00	4278461.00	166.64967	(14012809)
630974.00	4278511.00	148.92859	(16022708)	630974.00	4278561.00	130.75118	(16022708)
630974.00	4278611.00	120.32821	(14120816)	630974.00	4278711.00	108.72425	(14120816)
630974.00	4278761.00	98.69275	(15011708)	630974.00	4278811.00	97.81653	(17121908)
630974.00	4278861.00	94.76076	(17121908)	630974.00	4278911.00	90.03001	(17121908)
631024.00	4278211.00	196.24236	(15011709)	631024.00	4278261.00	168.48500	(15011709)
631024.00	4278311.00	169.12185	(14012809)	631024.00	4278361.00	183.56284	(14012809)
631024.00	4278411.00	182.71400	(14012809)	631024.00	4278461.00	168.83558	(14012809)
631024.00	4278511.00	145.84315	(14012809)	631024.00	4278561.00	133.78746	(16022708)
631024.00	4278611.00	117.39094	(16022708)	631024.00	4278711.00	106.98579	(14120816)
631024.00	4278761.00	100.22936	(14120816)	631024.00	4278811.00	91.51083	(15011708)
631024.00	4278861.00	89.39297	(17121908)	631024.00	4278911.00	87.42257	(17121908)
631074.00	4278211.00	185.61841	(15011709)	631074.00	4278261.00	166.73781	(15011709)
631074.00	4278311.00	141.89589	(14012809)	631074.00	4278361.00	161.71870	(14012809)
631074.00	4278411.00	169.40172	(14012809)	631074.00	4278461.00	164.62936	(14012809)
631074.00	4278511.00	149.85884	(14012809)	631074.00	4278561.00	130.74744	(16022708)
631074.00	4278611.00	120.88383	(16022708)	631074.00	4278711.00	100.27445	(14120816)

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        631074.00   4278761.00       98.33301  (14120816)              631074.00
4278811.00       92.78081  (14120816)
        631074.00   4278861.00       85.15826  (15011708)              631074.00
4278911.00       81.96238  (17121908)
        631124.00   4278211.00      173.79680  (15011709)              631124.00
4278261.00      162.29600  (15011709)
        631124.00   4278311.00      139.31046  (15011709)              631124.00
4278361.00      139.37376  (14012809)
        631124.00   4278411.00      152.96629  (14012809)              631124.00
4278461.00      155.72295  (14012809)
        631124.00   4278511.00      148.54230  (14012809)              631124.00
4278561.00      133.51387  (14012809)
        631124.00   4278611.00      119.28767  (16022708)              631124.00
4278711.00       96.42986  (16022708)
        631124.00   4278761.00       92.29223  (14120816)              631124.00
4278811.00       90.79450  (14120816)
        631124.00   4278861.00       86.17890  (14120816)              631124.00
4278911.00       79.46153  (15011708)
        631174.00   4278211.00      161.29292  (15011709)              631174.00
4278261.00      155.88821  (15011709)
        631174.00   4278311.00      139.09749  (15011709)              631174.00
4278361.00      118.15502  (14012809)
        631174.00   4278411.00      135.03213  (14012809)              631174.00
4278461.00      143.61686  (14012809)
        631174.00   4278511.00      142.90373  (14012809)              631174.00
4278561.00      134.18883  (14012809)
        631174.00   4278611.00      119.48158  (14012809)              631174.00
4278711.00      100.26946  (16022708)
        631174.00   4278761.00       88.09442  (16022708)              631174.00
4278811.00       85.34524  (14120816)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
631174.00	4278861.00	84.18854	(14120816)	631174.00	4278911.00	80.33817	(14120816)
631224.00	4278211.00	148.84967	(15011709)	631224.00	4278261.00	148.13417	(15011709)
631224.00	4278311.00	136.77579	(15011709)	631224.00	4278361.00	117.52281	(15011709)
631224.00	4278411.00	117.15811	(14012809)	631224.00	4278461.00	129.47707	(14012809)
631224.00	4278511.00	134.10565	(14012809)	631224.00	4278561.00	131.00089	(14012809)
631224.00	4278611.00	121.46335	(14012809)	631224.00	4278711.00	100.49100	(16022708)
631224.00	4278761.00	91.96437	(16022708)	631224.00	4278811.00	80.85436	(16022708)
631224.00	4278861.00	79.23511	(14120816)	631224.00	4278911.00	78.35684	(14120816)
631274.00	4278311.00	132.91392	(15011709)	631274.00	4278361.00	118.09220	(15011709)
631274.00	4278411.00	100.10673	(14012809)	631274.00	4278461.00	114.61523	(14012809)
631274.00	4278511.00	123.19161	(14012809)	631274.00	4278561.00	124.84758	(14012809)
631274.00	4278611.00	120.07695	(14012809)	631274.00	4278661.00	110.14867	(14012809)
631274.00	4278711.00	97.61606	(16022708)	631274.00	4278761.00	92.77085	(16022708)
631274.00	4278811.00	84.71566	(16022708)	631274.00	4278861.00	74.53718	(16022708)
631274.00	4278911.00	73.83487	(14120816)	630574.00	4278161.00	488.12028	(14012809)
630574.00	4278111.00	618.01190	(14012809)	630574.00	4278061.00	608.00503	(14012809)
630574.00	4278011.00	700.56545	(15011709)	630574.00	4277511.00	355.99347	(18021708)
630574.00	4277461.00	325.55323	(18021708)	630574.00	4277411.00	294.05137	(16120909)
630574.00	4277311.00	252.89619	(16021108)	630574.00	4277161.00	240.00470	(16021208)
630574.00	4277111.00	230.91404	(16021208)	630574.00	4276961.00	143.89040	(16021208)
630574.00	4276911.00	130.17845	(15012208)	630624.00	4278161.00	482.26649	(14012809)
630624.00	4278111.00	515.37111	(14012809)	630624.00	4278061.00	520.06742	(15011709)
630624.00	4278011.00	571.77343	(15011709)	630624.00	4277961.00	528.85091	(15120816)
630624.00	4277911.00	579.47983	(14120716)	630624.00	4277811.00	527.53406	(17011609)
630624.00	4277761.00	459.31042	(15021508)	630624.00	4277711.00	416.01158	(15012009)

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        630624.00   4277661.00      429.15918  (14022408)              630624.00
4277561.00      405.28671  (15011209)
        630624.00   4277511.00      339.00230  (15011209)              630624.00
4277461.00      290.85911  (18021708)
        630624.00   4277411.00      276.86613  (18021708)              630624.00
4277311.00      235.04317  (16120909)
        630624.00   4277211.00      204.58450  (16021108)              630624.00
4276911.00      138.69477  (16021208)
        630674.00   4278161.00      431.85201  (14012809)              630674.00
4278111.00      402.08503  (14012809)
        630674.00   4278061.00      467.75239  (15011709)              630674.00
4278011.00      463.64577  (15011709)
        630674.00   4277961.00      429.47396  (14030508)              630674.00
4277911.00      487.69424  (14120716)
        630674.00   4277861.00      440.99759  (14120716)              630674.00
4277811.00      437.98784  (17011609)
        630674.00   4277761.00      410.53359  (17011609)              630674.00
4277711.00      351.05810  (16122408)
        630674.00   4277661.00      358.13479  (14022408)              630674.00
4277561.00      351.52496  (15011209)
        630674.00   4277511.00      337.39948  (15011209)              630674.00
4277461.00      287.04366  (15011209)
        630674.00   4277411.00      242.77196  (18122216)              630674.00
4277211.00      192.96073  (16120909)
        630674.00   4277161.00      179.39793  (16021108)              630674.00
4277111.00      170.29871  (16021108)
        630674.00   4277061.00      158.61828  (16021608)              630674.00
4277011.00      149.21005  (16021608)
        630724.00   4278161.00      361.69990  (14012809)              630724.00
4278111.00      360.73576  (15011709)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630724.00	4278061.00	410.34633	(15011709)	630724.00	4278011.00	397.07862	(15120816)
630724.00	4277961.00	364.11429	(14030508)	630724.00	4277911.00	417.90622	(14120716)
630724.00	4277861.00	383.51388	(14120716)	630724.00	4277811.00	365.97735	(17011609)
630724.00	4277761.00	367.70309	(17011609)	630724.00	4277711.00	320.40472	(15021508)
630724.00	4277661.00	298.21851	(15012009)	630724.00	4277611.00	311.09253	(14022408)
630724.00	4277561.00	285.32178	(14022408)	630724.00	4277511.00	300.56182	(15011209)
630724.00	4277461.00	286.94402	(15011209)	630724.00	4277411.00	247.37034	(15011209)
630724.00	4277261.00	193.96528	(18021708)	630724.00	4277211.00	174.95355	(18021708)
630724.00	4277161.00	169.40944	(16120909)	630724.00	4277111.00	161.85168	(16120909)
630724.00	4277061.00	151.96180	(16021108)	630724.00	4277011.00	144.83878	(16021108)
630724.00	4276961.00	135.74352	(16021608)	630774.00	4278161.00	289.40416	(14012809)
630774.00	4278111.00	338.17111	(15011709)	630774.00	4278061.00	354.95814	(15011709)
630774.00	4278011.00	343.98998	(15120816)	630774.00	4277961.00	312.20168	(14030508)
630774.00	4277911.00	363.96431	(14120716)	630774.00	4277861.00	337.80314	(14120716)
630774.00	4277761.00	326.34980	(17011609)	630774.00	4277711.00	288.63805	(15021508)
630774.00	4277611.00	259.67688	(14022408)	630774.00	4277561.00	267.87953	(14022408)
630774.00	4277511.00	245.85490	(15011209)	630774.00	4277461.00	260.79938	(15011209)
630774.00	4277311.00	178.93309	(18122216)	630774.00	4277261.00	178.58890	(18021708)
630774.00	4277211.00	172.78913	(18021708)	630774.00	4277161.00	159.89341	(18021708)
630774.00	4277111.00	147.71493	(16120909)	630774.00	4277061.00	145.30386	(16120909)
630774.00	4277011.00	138.16855	(16120909)	630774.00	4276961.00	131.00196	(16021108)
630774.00	4276911.00	125.32101	(16021108)	630824.00	4278161.00	268.24356	(15011709)
630824.00	4278111.00	309.68144	(15011709)	630824.00	4278061.00	304.79084	(15011709)
630824.00	4278011.00	297.96303	(15120816)	630824.00	4277961.00	272.05717	(15010808)
630824.00	4277911.00	320.79353	(14120716)	630824.00	4277861.00	300.34206	(14120716)

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        630824.00   4277811.00      261.45858  (17011609)              630824.00
4277661.00      238.64847  (15021508)
        630824.00   4277611.00      227.89311  (15012009)              630824.00
4277561.00      235.65874  (14022408)
        630824.00   4277511.00      229.89596  (14022408)              630824.00
4277461.00      219.83794  (15011209)
        630824.00   4277311.00      191.38217  (15011209)              630824.00
4277261.00      157.81899  (15011209)
        630824.00   4277211.00      156.67409  (18021708)              630824.00
4277161.00      154.41213  (18021708)
        630824.00   4277111.00      145.91088  (18021708)              630824.00
4277061.00      133.17638  (18021708)
        630824.00   4277011.00      129.42968  (16120909)              630824.00
4276961.00      126.19961  (16120909)
        630824.00   4276911.00      119.67073  (16120909)              630874.00
4278161.00      257.94563  (15011709)
        630874.00   4278111.00      279.20423  (15011709)              630874.00
4278061.00      268.04492  (15120816)
        630874.00   4278011.00      258.58951  (15120816)              630874.00
4277961.00      245.02899  (14120716)
        630874.00   4277911.00      285.81117  (14120716)              630874.00
4277861.00      269.73277  (14120716)
        630874.00   4277811.00      228.19010  (15011108)              630874.00
4277711.00      247.26024  (17011609)
        630874.00   4277661.00      222.16494  (15021508)              630874.00
4277611.00      203.06724  (16122408)
        630874.00   4277561.00      199.82316  (15012009)              630874.00
4277511.00      211.48072  (14022408)
        630874.00   4277361.00      203.34653  (15011209)              630874.00
4277311.00      192.88348  (15011209)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630874.00	4277261.00	170.99638	(15011209)	630874.00	4277211.00	143.06405	(15011209)
630874.00	4277161.00	139.26351	(18122216)	630874.00	4277111.00	138.48190	(18021708)
630874.00	4277061.00	133.18872	(18021708)	630874.00	4277011.00	123.93568	(18021708)
630874.00	4276961.00	114.69623	(16120909)	630874.00	4276911.00	114.33461	(16120909)
630924.00	4278161.00	242.82009	(15011709)	630924.00	4278111.00	249.17331	(15011709)
630924.00	4278061.00	243.26743	(15120816)	630924.00	4278011.00	225.05360	(14030508)
630924.00	4277961.00	223.60978	(14120716)	630924.00	4277911.00	257.06814	(14120716)
630924.00	4277861.00	243.79003	(14120716)	630924.00	4277811.00	203.41907	(15011108)
630924.00	4277761.00	225.47901	(17011609)	630924.00	4277661.00	203.83708	(15021508)
630924.00	4277611.00	185.90446	(15021508)	630924.00	4277561.00	181.50639	(15012009)
630924.00	4277511.00	185.06001	(14022408)	630924.00	4277411.00	172.19215	(14022408)
630924.00	4277361.00	178.98531	(15011209)	630924.00	4277311.00	182.12537	(15011209)
630924.00	4277261.00	172.64937	(15011209)	630924.00	4277211.00	154.08403	(15011209)
630924.00	4277161.00	130.48266	(15011209)	630924.00	4277111.00	124.87565	(18122216)
630924.00	4277061.00	124.62707	(18021708)	630924.00	4277011.00	121.68415	(18021708)
630924.00	4276961.00	115.11843	(18021708)	630924.00	4276911.00	105.98621	(18021708)
630974.00	4278161.00	225.19793	(15011709)	630974.00	4278111.00	220.93663	(15011709)
630974.00	4278061.00	220.00798	(15120816)	630974.00	4278011.00	203.43517	(14030508)
630974.00	4277961.00	205.30590	(14120716)	630974.00	4277911.00	232.98886	(14120716)
630974.00	4277861.00	222.02087	(14120716)	630974.00	4277811.00	183.35535	(14012608)
630974.00	4277761.00	199.64273	(17011609)	630974.00	4277661.00	191.51377	(17011609)
630974.00	4277611.00	176.73552	(15021508)	630974.00	4277561.00	164.73154	(16122408)
630974.00	4277461.00	170.88211	(14022408)	630974.00	4277411.00	167.73250	(14022408)
630974.00	4277361.00	149.91260	(17121108)	630974.00	4277311.00	162.87146	(15011209)
630974.00	4277261.00	164.37441	(15011209)	630974.00	4277211.00	155.80101	(15011209)

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        630974.00   4277161.00      139.85596  (15011209)              630974.00
4277111.00      119.64788  (15011209)
        630974.00   4277061.00      112.57334  (18122216)              630974.00
4277011.00      112.57509  (18021708)
        630974.00   4276961.00      111.33513  (18021708)              630974.00
4276911.00      106.83160  (18021708)
        631024.00   4278161.00      206.56578  (15011709)              631024.00
4278111.00      195.72626  (15120816)
        631024.00   4278061.00      198.42235  (15120816)              631024.00
4278011.00      184.39335  (14030508)
        631024.00   4277961.00      189.25823  (14120716)              631024.00
4277911.00      212.35950  (14120716)
        631024.00   4277861.00      203.45619  (14120716)              631024.00
4277811.00      166.58380  (14012608)
        631024.00   4277761.00      177.19704  (17011609)              631024.00
4277711.00      190.00173  (17011609)
        631024.00   4277611.00      166.11231  (15021508)              631024.00
4277411.00      156.42907  (14022408)
        631024.00   4277361.00      149.21490  (14022408)              631024.00
4277311.00      139.02384  (15011209)
        631024.00   4277261.00      148.98111  (15011209)              631024.00
4277211.00      149.36609  (15011209)
        631024.00   4277161.00      141.59021  (15011209)              631024.00
4277111.00      127.75103  (15011209)
        631024.00   4277061.00      110.28585  (15011209)              631024.00
4277011.00      102.01616  (18122216)
        631024.00   4276961.00      102.27926  (18122216)              631024.00
4276911.00      102.06396  (18021708)
        631074.00   4278161.00      188.02836  (15011709)              631074.00
4278111.00      182.69114  (15120816)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
631074.00	4278061.00	178.84794	(15120816)	631074.00	4278011.00	167.61921	(14030508)
631074.00	4277961.00	175.14765	(14120716)	631074.00	4277911.00	194.69050	(14120716)
631074.00	4277861.00	187.14759	(14120716)	631074.00	4277811.00	155.55073	(14120716)
631074.00	4277761.00	157.64349	(17011609)	631074.00	4277711.00	173.11844	(17011609)
631074.00	4277461.00	136.89626	(15012009)	631074.00	4277311.00	132.95885	(14022408)
631074.00	4277261.00	129.31256	(15011209)	631074.00	4277211.00	136.87929	(15011209)
631074.00	4277161.00	136.54907	(15011209)	631074.00	4277111.00	129.46329	(15011209)
631074.00	4277061.00	117.33472	(15011209)	631074.00	4277011.00	102.09673	(15011209)
631074.00	4276961.00	92.87281	(18122216)	631074.00	4276911.00	93.76935	(18122216)
631124.00	4278161.00	170.15822	(15011709)	631124.00	4278111.00	169.62196	(15120816)
631124.00	4278061.00	161.14932	(15120816)	631124.00	4278011.00	152.99894	(14030508)
631124.00	4277961.00	162.94221	(14120716)	631124.00	4277911.00	179.44425	(14120716)
631124.00	4277861.00	173.03086	(14120716)	631124.00	4277811.00	146.11787	(14120716)
631124.00	4277761.00	142.97902	(15011108)	631124.00	4277711.00	157.62830	(17011609)
631124.00	4277461.00	126.09634	(15012009)	631124.00	4277411.00	123.95078	(15012009)
631124.00	4277261.00	118.67876	(14022408)	631124.00	4277211.00	120.51372	(15011209)
631124.00	4277161.00	126.34460	(15011209)	631124.00	4277111.00	125.48060	(15011209)
631124.00	4277061.00	119.01574	(15011209)	631124.00	4277011.00	108.29893	(15011209)
631124.00	4276961.00	94.89804	(15011209)	631124.00	4276911.00	85.83318	(16120908)
631174.00	4278161.00	153.31574	(15011709)	631174.00	4278111.00	156.93778	(15120816)
631174.00	4278061.00	145.31367	(15120816)	631174.00	4278011.00	140.96473	(15010808)
631174.00	4277961.00	152.02444	(14120716)	631174.00	4277911.00	166.16397	(14120716)
631174.00	4277861.00	160.71932	(14120716)	631174.00	4277811.00	137.41468	(14120716)
631174.00	4277761.00	131.95768	(15011108)	631174.00	4277561.00	130.57262	(15021508)
631174.00	4277511.00	121.10116	(15021508)	631174.00	4277461.00	117.03004	(15020408)

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        631174.00   4277311.00      122.18531  (14022408)              631174.00
4277261.00      117.67635  (14022408)
        631174.00   4277161.00      112.63447  (15011209)              631174.00
4277111.00      117.04972  (15011209)
        631174.00   4277061.00      115.85059  (15011209)              631174.00
4277011.00      109.93443  (15011209)
        631174.00   4276961.00      100.39548  (15011209)              631174.00
4276911.00       88.50780  (15011209)
        631224.00   4278161.00      143.21312  (15120816)              631224.00
4278111.00      144.90783  (15120816)
        631224.00   4278061.00      134.88238  (14030508)              631224.00
4278011.00      130.58627  (15010808)
        631224.00   4277961.00      142.19061  (14120716)              631224.00
4277911.00      154.51147  (14120716)
        631224.00   4277861.00      149.89760  (14120716)              631224.00
4277811.00      129.46551  (14120716)
        631224.00   4277761.00      122.10846  (15011108)              631224.00
4277561.00      122.36653  (15021508)
        631224.00   4277461.00      109.19383  (16122408)              631224.00
4277361.00      107.30969  (15012009)
        631224.00   4277311.00      112.07696  (14022408)              631224.00
4277261.00      113.02864  (14022408)
        631224.00   4277211.00      106.87464  (14022408)              631224.00
4277161.00       98.77590  (17121108)
        631224.00   4277111.00      105.46296  (15011209)              631224.00
4277061.00      108.83429  (15011209)
        631224.00   4277011.00      107.41278  (15011209)              631224.00
4276961.00      101.97597  (15011209)
        631224.00   4276911.00       93.42121  (15011209)              631274.00
4277611.00      126.99638  (17011609)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
631274.00	4277561.00	116.87629	(17011609)	631274.00	4277511.00	111.94257	(15021508)
631274.00	4277461.00	102.97948	(15021508)	631274.00	4277361.00	101.36639	(15012009)
631274.00	4277311.00	100.33810	(14022408)	631274.00	4277261.00	105.66217	(14022408)
631274.00	4277211.00	104.28907	(14022408)	631274.00	4277161.00	97.13671	(14022408)
631274.00	4277111.00	92.16563	(15011209)	631274.00	4277061.00	98.99681	(15011209)
631274.00	4277011.00	101.53595	(15011209)	631274.00	4276961.00	99.96616	(15011209)
631274.00	4276911.00	94.95577	(15011209)	630524.00	4277611.00	509.86338	(15011209)
630524.00	4277561.00	444.96298	(18021708)	630524.00	4277511.00	384.83103	(18021708)
630524.00	4277461.00	357.24955	(16120909)	630524.00	4277411.00	324.87294	(16021108)
630524.00	4277261.00	248.56816	(16021208)	630524.00	4276961.00	146.46033	(15012208)
630524.00	4276911.00	136.90545	(15012208)	630474.00	4277611.00	569.84166	(18021708)
630474.00	4277561.00	494.59300	(16120909)	630474.00	4277511.00	441.48665	(16021108)
630474.00	4277461.00	387.38276	(16021608)	630474.00	4277411.00	349.81985	(16021208)
630474.00	4277061.00	171.26081	(14011508)	630474.00	4276961.00	148.25596	(14011508)
630474.00	4276911.00	137.89081	(17120908)	630424.00	4277611.00	654.76608	(16021108)
630424.00	4277561.00	551.63407	(16021608)	630424.00	4277511.00	488.73705	(16021208)
630424.00	4277461.00	421.32580	(16021208)	630424.00	4277411.00	354.65361	(16021208)
630424.00	4277211.00	226.32637	(14011508)	630424.00	4277061.00	185.45857	(17121516)
630424.00	4276961.00	164.97616	(17121516)	630424.00	4276911.00	155.27731	(17121516)
630374.00	4277611.00	743.24144	(16021208)	630374.00	4277561.00	587.08069	(16021208)
630374.00	4277511.00	486.28785	(15012208)	630374.00	4277461.00	415.98986	(14011508)
630374.00	4276961.00	166.17893	(17121516)	630374.00	4276911.00	154.00387	(15022508)
630324.00	4277611.00	792.70278	(17121516)	630324.00	4277561.00	661.73859	(17121516)
630324.00	4277511.00	556.69346	(17121516)	630324.00	4277361.00	354.39495	(15022508)
630324.00	4277311.00	315.45796	(15022508)	630324.00	4277261.00	282.79156	(15022508)

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        630324.00   4277211.00      255.14662  (15022508)              630324.00
4277161.00      231.54166  (15022508)
        630324.00   4277111.00      211.23558  (15022508)              630324.00
4276961.00      164.80081  (15022508)
        630324.00   4276911.00      152.94359  (15022508)              630274.00
4277611.00      842.04802  (16010809)
        630274.00   4277461.00      474.15277  (16010809)              630274.00
4277411.00      408.74030  (16010809)
        630274.00   4277361.00      357.22532  (16010809)              630274.00
4277311.00      315.82633  (16010809)
        630274.00   4277261.00      282.00824  (16010809)              630274.00
4277211.00      253.93696  (16010809)
        630274.00   4277161.00      230.30825  (16010809)              630274.00
4277111.00      210.18510  (16010809)
        630274.00   4276961.00      164.89081  (16010809)              630274.00
4276911.00      153.39758  (16010809)
        630224.00   4277511.00      560.44753  (16010809)              630224.00
4277461.00      482.67922  (16010809)
        630224.00   4277411.00      421.10083  (16010809)              630224.00
4277361.00      371.67663  (16010809)
        630224.00   4277311.00      330.84795  (16010809)              630224.00
4277261.00      297.13933  (16010809)
        630224.00   4277211.00      268.67438  (16010809)              630224.00
4277161.00      244.52800  (16010809)
        630224.00   4277111.00      223.95624  (16010809)              630224.00
4277061.00      205.98423  (16010809)
        630224.00   4276911.00      164.40216  (16010809)              630174.00
4277561.00      631.36180  (18122109)
        630174.00   4277511.00      552.52365  (18122109)              630174.00
4277461.00      478.63150  (18122109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
630174.00	4277411.00	413.58735	(18122109)	630174.00	4277361.00	357.66435	(18122109)
630174.00	4277311.00	310.29459	(18122109)	630174.00	4277261.00	270.08301	(18122109)
630174.00	4277211.00	242.23138	(15120216)	630174.00	4277161.00	220.18436	(16010809)
630174.00	4277111.00	205.14504	(16010809)	630174.00	4277061.00	191.14778	(16010809)
630174.00	4277011.00	179.00011	(16010809)	630174.00	4276911.00	157.64741	(16010809)
630124.00	4277611.00	810.80671	(14121409)	630124.00	4277561.00	676.51233	(14121409)
630124.00	4277511.00	533.55494	(14121409)	630124.00	4277461.00	421.56083	(18013009)
630124.00	4277411.00	364.62345	(18013009)	630124.00	4277361.00	339.17006	(18122109)
630124.00	4277311.00	312.53801	(18122109)	630124.00	4277261.00	285.56258	(18122109)
630124.00	4277211.00	259.76297	(18122109)	630124.00	4277161.00	235.59163	(18122109)
630124.00	4277111.00	213.56303	(18122109)	630124.00	4277061.00	193.49493	(18122109)
630124.00	4277011.00	175.33655	(18122109)	630074.00	4277611.00	625.82258	(15021908)
630074.00	4277561.00	572.95475	(14121409)	630074.00	4277511.00	541.34487	(14121409)
630074.00	4277461.00	476.20465	(14121409)	630074.00	4277411.00	400.47472	(14121409)
630074.00	4277361.00	327.15780	(14121409)	630074.00	4277311.00	283.08781	(18013009)
630074.00	4277261.00	254.28915	(18013009)	630074.00	4277211.00	231.80254	(18122109)
630074.00	4277161.00	220.95849	(18122109)	630074.00	4277111.00	208.70207	(18122109)
630074.00	4277061.00	195.77752	(18122109)	630074.00	4277011.00	182.92038	(18122109)
630024.00	4277611.00	552.68153	(15021908)	630024.00	4277561.00	502.61579	(15021908)
630024.00	4277511.00	419.79696	(16021508)	630024.00	4277461.00	413.77972	(14121409)
630024.00	4277411.00	396.05085	(14121409)	630024.00	4277361.00	359.53858	(14121409)
630024.00	4277311.00	314.67296	(14121409)	630024.00	4277261.00	268.21919	(14121409)
630024.00	4277211.00	224.50215	(14121409)	630024.00	4277161.00	207.93388	(18013009)
630024.00	4277111.00	191.02496	(18013009)	630024.00	4277061.00	173.63579	(18013009)
630024.00	4277011.00	165.02494	(18122109)	630024.00	4276961.00	159.21827	(18122109)

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        629974.00   4277611.00      537.17570  (15010109)              629974.00
4277561.00      427.15158  (16012109)
        629974.00   4277511.00      409.75336  (15021908)              629974.00
4277461.00      351.14446  (15021908)
        629974.00   4277411.00      315.10070  (16021508)              629974.00
4277361.00      317.78236  (14121409)
        629974.00   4277311.00      306.98977  (14121409)              629974.00
4277261.00      284.44169  (14121409)
        629974.00   4277211.00      255.71737  (14121409)              629974.00
4277161.00      224.57081  (14121409)
        629974.00   4277111.00      193.78212  (14121409)              629974.00
4277061.00      171.23306  (18013009)
        629974.00   4277011.00      161.65239  (18013009)              629974.00
4276961.00      150.74816  (18013009)
        629974.00   4276911.00      139.38014  (18013009)              629924.00
4277611.00      541.10540  (15010109)
        629924.00   4277561.00      425.47482  (15010109)              629924.00
4277511.00      355.10345  (16012109)
        629924.00   4277461.00      339.32563  (15021908)              629924.00
4277411.00      305.78822  (15021908)
        629924.00   4277361.00      267.71129  (16120308)              629924.00
4277311.00      250.45199  (14121409)
        629924.00   4277261.00      254.56378  (14121409)              629924.00
4277211.00      247.55453  (14121409)
        629924.00   4277161.00      232.72872  (14121409)              629924.00
4277111.00      213.22655  (14121409)
        629924.00   4277061.00      191.41890  (14121409)              629924.00
4277011.00      169.03410  (14121409)
        629924.00   4276961.00      147.13795  (14121409)              629924.00
4276911.00      137.15624  (18013009)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629874.00	4277611.00	465.68087	(15010109)	629874.00	4277561.00	440.54121	(15010109)
629874.00	4277511.00	347.28565	(15010109)	629874.00	4277461.00	301.48599	(16012109)
629874.00	4277411.00	285.04718	(15021908)	629874.00	4277361.00	266.75838	(15021908)
629874.00	4277311.00	232.97967	(15021908)	629874.00	4277261.00	216.45127	(16021508)
629874.00	4277211.00	207.46707	(14121409)	629874.00	4277161.00	210.23963	(14121409)
629874.00	4277111.00	205.47013	(14121409)	629874.00	4277061.00	195.26000	(14121409)
629874.00	4277011.00	181.45253	(14121409)	629874.00	4276961.00	165.60973	(14121409)
629874.00	4276911.00	148.86886	(14121409)	629824.00	4277611.00	375.64815	(16122209)
629824.00	4277561.00	398.40294	(15010109)	629824.00	4277511.00	366.44365	(15010109)
629824.00	4277461.00	290.02153	(15010109)	629824.00	4277411.00	260.24194	(16012109)
629824.00	4277361.00	242.55486	(15021908)	629824.00	4277311.00	233.67209	(15021908)
629824.00	4277261.00	211.21149	(15021908)	629824.00	4277211.00	191.07363	(16120308)
629824.00	4277161.00	179.82006	(16021508)	629824.00	4277111.00	175.55120	(14121409)
629824.00	4277061.00	177.30415	(14121409)	629824.00	4277011.00	174.29864	(14121409)
629824.00	4276961.00	167.06094	(14121409)	629824.00	4276911.00	156.94337	(14121409)
629774.00	4277611.00	344.65789	(16122209)	629774.00	4277561.00	326.11739	(15010109)
629774.00	4277511.00	343.62304	(15010109)	629774.00	4277461.00	310.20349	(15010109)
629774.00	4277411.00	246.65807	(15010109)	629774.00	4277361.00	227.75043	(16012109)
629774.00	4277311.00	208.75690	(15021908)	629774.00	4277261.00	205.81427	(15021908)
629774.00	4277211.00	191.23636	(15021908)	629774.00	4277161.00	170.38412	(16120308)
629774.00	4277111.00	160.56482	(16021508)	629774.00	4277061.00	151.34244	(16021508)
629774.00	4277011.00	151.05142	(14121409)	629774.00	4276961.00	152.63106	(14121409)
629774.00	4276911.00	150.59094	(14121409)	629724.00	4277611.00	295.57033	(16122209)
629724.00	4277561.00	295.67251	(16122209)	629724.00	4277511.00	294.48619	(15010109)
629724.00	4277461.00	298.96785	(15010109)	629724.00	4277411.00	266.45867	(15010109)

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        629724.00   4277361.00      214.32697  (16012109)              629724.00
4277311.00      201.71660  (16012109)
        629724.00   4277261.00      181.51169  (15021908)              629724.00
4277211.00      182.25257  (15021908)
        629724.00   4277161.00      173.20107  (15021908)              629724.00
4277111.00      157.33218  (15021908)
        629724.00   4277061.00      145.78103  (16120308)              629724.00
4277011.00      138.04541  (16021508)
        629724.00   4276961.00      129.78776  (16021508)              629724.00
4276911.00      132.18173  (14121409)
        629674.00   4277611.00      241.40471  (16122209)              629674.00
4277561.00      268.88465  (16122209)
        629674.00   4277511.00      250.89511  (16122209)              629674.00
4277461.00      265.57027  (15010109)
        629674.00   4277411.00      262.31024  (15010109)              629674.00
4277361.00      231.66591  (15010109)
        629674.00   4277311.00      190.08072  (16012109)              629674.00
4277261.00      180.32873  (16012109)
        629674.00   4277211.00      159.10895  (15021908)              629674.00
4277161.00      162.22820  (15021908)
        629674.00   4277111.00      157.05799  (15021908)              629674.00
4277061.00      145.73637  (15021908)
        629674.00   4277011.00      132.20611  (16120308)              629674.00
4276961.00      125.18744  (16120308)
        629674.00   4276911.00      120.19964  (16021508)              629624.00
4277611.00      230.43676  (15010909)
        629624.00   4277561.00      232.50478  (16122209)              629624.00
4277511.00      239.23657  (16122209)
        629624.00   4277461.00      221.10459  (15010109)              629624.00
4277411.00      239.75356  (15010109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629624.00	4277361.00	231.90873	(15010109)	629624.00	4277311.00	203.50118	(15010109)
629624.00	4277261.00	170.26212	(16012109)	629624.00	4277211.00	162.53421	(16012109)
629624.00	4277161.00	145.02412	(16012109)	629624.00	4277111.00	145.15337	(15021908)
629624.00	4277061.00	142.75085	(15021908)	629624.00	4277011.00	134.78105	(15021908)
629624.00	4276961.00	122.76401	(15021908)	629624.00	4276911.00	115.69120	(16120308)
629574.00	4277611.00	222.71476	(15010909)	629574.00	4277561.00	193.46756	(16122209)
629574.00	4277511.00	216.88752	(16122209)	629574.00	4277461.00	210.12487	(16122209)
629574.00	4277411.00	206.31209	(15010109)	629574.00	4277361.00	216.87965	(15010109)
629574.00	4277311.00	206.46802	(15010109)	629574.00	4277261.00	180.38974	(15010109)
629574.00	4277211.00	153.70050	(16012109)	629574.00	4277161.00	147.54870	(16012109)
629574.00	4277111.00	133.20934	(16012109)	629574.00	4277061.00	130.47096	(15021908)
629574.00	4277011.00	129.96865	(15021908)	629574.00	4276961.00	124.47338	(15021908)
629574.00	4276911.00	115.41580	(15021908)	629524.00	4277611.00	210.85138	(15010909)
629524.00	4277561.00	184.17824	(15010909)	629524.00	4277511.00	188.91030	(16122209)
629524.00	4277461.00	198.05295	(16122209)	629524.00	4277411.00	183.17503	(16122209)
629524.00	4277361.00	191.81887	(15010109)	629524.00	4277311.00	196.79147	(15010109)
629524.00	4277261.00	185.05859	(15010109)	629524.00	4277211.00	161.11421	(15010109)
629524.00	4277161.00	139.79391	(16012109)	629524.00	4277111.00	134.78787	(16012109)
629524.00	4277061.00	122.89913	(16012109)	629524.00	4277011.00	117.84974	(15021908)
629524.00	4276961.00	118.67660	(15021908)	629524.00	4276911.00	115.08860	(15021908)
629474.00	4277611.00	196.64198	(15010909)	629474.00	4277561.00	180.90444	(15010909)
629474.00	4277511.00	159.48591	(16122209)	629474.00	4277461.00	179.42701	(16122209)
629474.00	4277411.00	178.43892	(16122209)	629474.00	4277361.00	161.84716	(15010109)
629474.00	4277311.00	178.06779	(15010109)	629474.00	4277261.00	179.12605	(15010109)
629474.00	4277211.00	166.79076	(15010109)	629474.00	4277161.00	144.92467	(15010109)

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        629474.00   4277111.00      127.91065  (16012109)              629474.00
4277061.00      123.80338  (16012109)
        629474.00   4277011.00      113.82953  (16012109)              629474.00
4276961.00      106.77979  (15021908)
        629474.00   4276911.00      108.63306  (15021908)              629424.00
4277611.00      181.26730  (15010909)
        629424.00   4277561.00      174.39692  (15010909)              629424.00
4277511.00      151.17089  (15010909)
        629424.00   4277461.00      157.28798  (16122209)              629424.00
4277411.00      167.09094  (16122209)
        629424.00   4277361.00      159.35706  (16122209)              629424.00
4277311.00      154.07368  (15010109)
        629424.00   4277261.00      165.23278  (15010109)              629424.00
4277211.00      163.58689  (15010109)
        629424.00   4277161.00      151.12957  (15010109)              629424.00
4277111.00      131.10234  (15010109)
        629424.00   4277061.00      117.65843  (16012109)              629424.00
4277011.00      114.26786  (16012109)
        629424.00   4276961.00      105.83739  (16012109)              629424.00
4276911.00       97.24712  (15021908)
        629374.00   4277611.00      165.66158  (15010909)              629374.00
4277561.00      165.65320  (15010909)
        629374.00   4277511.00      150.14648  (15010909)              629374.00
4277461.00      134.37553  (16122209)
        629374.00   4277411.00      151.48591  (16122209)              629374.00
4277361.00      153.50674  (16122209)
        629374.00   4277311.00      141.52787  (16122209)              629374.00
4277261.00      146.10985  (15010109)
        629374.00   4277211.00      153.33872  (15010109)              629374.00
4277161.00      149.87817  (15010109)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629374.00	4277111.00	137.59781	(15010109)	629374.00	4277061.00	119.48887	(17121709)
629374.00	4277011.00	108.75252	(16012109)	629374.00	4276961.00	105.94160	(16012109)
629374.00	4276911.00	98.75436	(16012109)	629324.00	4277611.00	150.36194	(15010909)
629324.00	4277561.00	155.62878	(15010909)	629324.00	4277511.00	146.71183	(15010909)
629324.00	4277461.00	126.55445	(15010909)	629324.00	4277411.00	133.50924	(16122209)
629324.00	4277361.00	143.14300	(16122209)	629324.00	4277311.00	139.69206	(16122209)
629324.00	4277261.00	125.24821	(16122209)	629324.00	4277211.00	138.17082	(15010109)
629324.00	4277161.00	142.44670	(15010109)	629324.00	4277111.00	137.76440	(15010109)
629324.00	4277061.00	125.82487	(15010109)	629324.00	4277011.00	110.02022	(17121709)
629324.00	4276961.00	100.95168	(16012109)	629324.00	4276911.00	98.59301	(16012109)
629274.00	4277611.00	135.70292	(15010909)	629274.00	4277561.00	144.88225	(15010909)
629274.00	4277511.00	141.41080	(15010909)	629274.00	4277461.00	126.87946	(15010909)
629274.00	4277411.00	115.16111	(16122209)	629274.00	4277361.00	129.92290	(16122209)
629274.00	4277311.00	133.56547	(16122209)	629274.00	4277261.00	126.37289	(16122209)
629274.00	4277211.00	120.27547	(15010109)	629274.00	4277161.00	130.45855	(15010109)
629274.00	4277111.00	132.52809	(15010109)	629274.00	4277061.00	127.03153	(15010109)
629274.00	4277011.00	115.50427	(15010109)	629274.00	4276961.00	101.71265	(17121709)
629274.00	4276911.00	94.05606	(16012109)	629974.00	4277661.00	682.34793	(15010109)
629974.00	4277711.00	660.21682	(16122209)	629974.00	4277811.00	742.02589	(15010909)
629974.00	4277861.00	739.04657	(17022308)	629974.00	4277911.00	772.96237	(16011409)
629974.00	4277961.00	663.73482	(17120108)	629974.00	4278011.00	643.18508	(15120616)
629974.00	4278061.00	731.10423	(15013009)	629974.00	4278111.00	570.00837	(15013009)
629974.00	4278161.00	447.67952	(15120709)	629974.00	4278211.00	393.12951	(14011409)
629974.00	4278261.00	365.88236	(14011409)	629974.00	4278311.00	322.82391	(17121909)
629974.00	4278361.00	290.67770	(17121909)	629974.00	4278411.00	247.47407	(17121909)

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        629974.00   4278461.00      202.33046  (17121909)              629974.00
4278511.00      186.68308  (15110208)
        629974.00   4278561.00      175.23950  (15110208)              629974.00
4278611.00      169.55416  (14011809)
        629974.00   4278711.00      163.96208  (14011809)              629974.00
4278761.00      158.12973  (14011809)
        629974.00   4278811.00      151.09686  (14011809)              629974.00
4278861.00      143.30559  (14011809)
        629974.00   4278911.00      135.20795  (14011809)              629924.00
4277661.00      547.64144  (15010109)
        629924.00   4277711.00      557.53501  (16122209)              629924.00
4277761.00      590.35237  (15010909)
        629924.00   4277861.00      610.50010  (17022308)              629924.00
4277911.00      629.33213  (16011409)
        629924.00   4277961.00      525.84154  (17120108)              629924.00
4278011.00      503.31946  (17120108)
        629924.00   4278061.00      585.24888  (15013009)              629924.00
4278111.00      558.51669  (15013009)
        629924.00   4278161.00      403.70098  (15013009)              629924.00
4278211.00      360.05659  (15120709)
        629924.00   4278261.00      316.49055  (14011409)              629924.00
4278311.00      303.06695  (14011409)
        629924.00   4278361.00      265.09159  (17121909)              629924.00
4278411.00      248.98912  (17121909)
        629924.00   4278461.00      221.77838  (17121909)              629924.00
4278511.00      189.71628  (17121909)
        629924.00   4278561.00      157.45272  (17121909)              629924.00
4278611.00      150.65954  (15110208)
        629924.00   4278711.00      134.44933  (15110208)              629924.00
4278761.00      134.13524  (14011809)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629924.00	4278811.00	133.05638	(14011809)	629924.00	4278861.00	130.49157	(14011809)
629924.00	4278911.00	126.72831	(14011809)	629874.00	4277661.00	462.14886	(16122209)
629874.00	4277711.00	429.16224	(15010909)	629874.00	4277761.00	508.37082	(15010909)
629874.00	4277811.00	459.35921	(15011908)	629874.00	4277961.00	439.01571	(16011409)
629874.00	4278011.00	442.44386	(17120108)	629874.00	4278061.00	444.97655	(15013009)
629874.00	4278111.00	496.47739	(15013009)	629874.00	4278161.00	425.51847	(15013009)
629874.00	4278211.00	315.65079	(15021308)	629874.00	4278261.00	297.99392	(15120709)
629874.00	4278311.00	262.22846	(15120709)	629874.00	4278361.00	255.94115	(14011409)
629874.00	4278411.00	229.68438	(14011409)	629874.00	4278461.00	214.07965	(17121909)
629874.00	4278511.00	197.49753	(17121909)	629874.00	4278561.00	175.26023	(17121909)
629874.00	4278611.00	150.71490	(17121909)	629874.00	4278711.00	125.03622	(15110208)
629874.00	4278761.00	120.28077	(15110208)	629874.00	4278811.00	114.09774	(15110208)
629874.00	4278861.00	109.30831	(14011809)	629874.00	4278911.00	109.67036	(14011809)
629824.00	4277661.00	392.75033	(16122209)	629824.00	4277711.00	405.46898	(15010909)
629824.00	4277761.00	428.35130	(15010909)	629824.00	4277811.00	402.63676	(15011909)
629824.00	4277861.00	439.26898	(17022308)	629824.00	4277911.00	447.95893	(16011409)
629824.00	4278061.00	367.84825	(15120616)	629824.00	4278111.00	414.57985	(15013009)
629824.00	4278161.00	408.02367	(15013009)	629824.00	4278211.00	326.81234	(15013009)
629824.00	4278261.00	264.83412	(15021308)	629824.00	4278311.00	252.16476	(15120709)
629824.00	4278361.00	223.84273	(15120709)	629824.00	4278411.00	219.63403	(14011409)
629824.00	4278461.00	202.13237	(14011409)	629824.00	4278511.00	184.97976	(17121909)
629824.00	4278561.00	175.47448	(17121909)	629824.00	4278611.00	160.38888	(17121909)
629824.00	4278711.00	123.05463	(17121909)	629824.00	4278761.00	107.63215	(15110208)
629824.00	4278811.00	106.02791	(15110208)	629824.00	4278861.00	102.80835	(15110208)
629824.00	4278911.00	98.42988	(15110208)	629774.00	4277661.00	313.00719	(16122209)

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        629774.00   4277711.00      369.73824  (15010909)              629774.00
4277761.00      357.12978  (15010909)
        629774.00   4277811.00      353.37845  (15011909)              629774.00
4277861.00      380.69898  (17022308)
        629774.00   4277911.00      387.91937  (16011409)              629774.00
4277961.00      346.27651  (16011409)
        629774.00   4278011.00      333.87200  (17120108)              629774.00
4278861.00       92.42370  (15110208)
        629774.00   4278911.00       91.44021  (15110208)              629724.00
4277661.00      298.55079  (15010909)
        629724.00   4277711.00      329.37776  (15010909)              629724.00
4277761.00      299.77772  (15011908)
        629724.00   4277811.00      310.80414  (15011909)              629724.00
4277861.00      333.86290  (17022308)
        629724.00   4277911.00      340.57307  (16011409)              629724.00
4277961.00      310.87527  (16011409)
        629724.00   4278011.00      289.52649  (17120108)              629724.00
4278061.00      280.95818  (17120108)
        629724.00   4278111.00      285.21340  (15120616)              629724.00
4278161.00      314.37943  (15013009)
        629724.00   4278211.00      314.97305  (15013009)              629724.00
4278261.00      268.76097  (15013009)
        629724.00   4278311.00      205.37676  (15021308)              629724.00
4278361.00      195.03996  (15021308)
        629724.00   4278411.00      189.67846  (15120709)              629724.00
4278461.00      170.69633  (15120709)
        629724.00   4278511.00      167.95102  (14011409)              629724.00
4278561.00      160.13860  (14011409)
        629724.00   4278611.00      145.32736  (14011409)              629724.00
4278711.00      132.82497  (17121909)
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629724.00	4278761.00	123.42517	(17121909)	629724.00	4278811.00	111.96913	(17121909)
629674.00	4277661.00	281.84209	(15010909)	629674.00	4277711.00	289.05256	(15010909)
629674.00	4277761.00	264.48109	(15011908)	629674.00	4277811.00	277.80077	(17022308)
629674.00	4277861.00	295.75651	(17022308)	629674.00	4277911.00	302.25860	(16011409)
629674.00	4277961.00	280.79703	(16011409)	629674.00	4278011.00	251.57595	(17120108)
629674.00	4278061.00	256.93930	(17120108)	629674.00	4278111.00	244.50557	(15120616)
629674.00	4278161.00	261.23686	(15013009)	629674.00	4278211.00	285.36211	(15013009)
629674.00	4278261.00	267.06079	(15013009)	629674.00	4278311.00	218.57980	(15013009)
629674.00	4278361.00	181.53916	(15021308)	629674.00	4278411.00	172.60343	(15120709)
629674.00	4278461.00	167.62374	(15120709)	629674.00	4278511.00	151.69782	(15120709)
629674.00	4278561.00	149.11244	(14011409)	629674.00	4278611.00	143.99846	(14011409)
629674.00	4278711.00	124.14745	(17121909)	629674.00	4278761.00	120.67294	(17121909)
629674.00	4278811.00	114.15763	(17121909)	629674.00	4278861.00	105.53985	(17121909)
629674.00	4278911.00	95.64273	(17121909)	629624.00	4277661.00	260.29971	(15010909)
629624.00	4277711.00	251.31418	(15010909)	629624.00	4277761.00	239.40683	(15011909)
629624.00	4277811.00	254.16949	(17022308)	629624.00	4277861.00	264.16781	(17022308)
629624.00	4277911.00	270.83148	(16011409)	629624.00	4277961.00	255.33980	(16011409)
629624.00	4278011.00	219.36004	(17120108)	629624.00	4278061.00	233.32203	(17120108)
629624.00	4278111.00	216.51779	(14010708)	629624.00	4278161.00	228.37777	(15120616)
629624.00	4278211.00	249.53191	(15013009)	629624.00	4278261.00	252.82652	(15013009)
629624.00	4278311.00	225.00968	(15013009)	629624.00	4278361.00	178.68178	(15013009)
629624.00	4278411.00	161.56747	(15021308)	629624.00	4278461.00	154.60608	(15120709)
629624.00	4278511.00	149.64481	(15120709)	629624.00	4278561.00	136.05231	(15120709)
629624.00	4278611.00	133.47970	(14011409)	629624.00	4278711.00	121.93332	(14011409)
629624.00	4278761.00	111.19777	(17121909)	629624.00	4278811.00	109.69204	(17121909)

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        629624.00   4278861.00      105.39196  (17121909)              629624.00
4278911.00       99.03366  (17121909)
        629574.00   4277661.00      236.71092  (15010909)              629574.00
4277711.00      217.23942  (15010909)
        629574.00   4277761.00      220.71494  (15011909)              629574.00
4277811.00      233.16014  (17022308)
        629574.00   4277861.00      237.63868  (17022308)              629574.00
4277911.00      244.65007  (16011409)
        629574.00   4277961.00      233.27962  (16011409)              629574.00
4278011.00      192.00446  (17120108)
        629574.00   4278061.00      211.22014  (17120108)              629574.00
4278111.00      198.38658  (17120108)
        629574.00   4278161.00      202.91604  (15120616)              629574.00
4278211.00      212.44811  (15013009)
        629574.00   4278261.00      230.73009  (15013009)              629574.00
4278311.00      220.90537  (15013009)
        629574.00   4278361.00      189.23756  (15013009)              629574.00
4278411.00      147.03709  (15013009)
        629574.00   4278461.00      144.71166  (15021308)              629574.00
4278511.00      139.50049  (15120709)
        629574.00   4278561.00      134.71664  (15120709)              629574.00
4278611.00      122.99189  (15120709)
        629574.00   4278711.00      118.48198  (14011409)              629574.00
4278761.00      112.21105  (14011409)
        629574.00   4278811.00      102.75973  (14011409)              629574.00
4278861.00       99.82231  (17121909)
        629574.00   4278911.00       97.18972  (17121909)              629524.00
4277661.00      212.82724  (15010909)
        629524.00   4277711.00      196.01123  (15011908)              629524.00
4277761.00      203.08542  (15011909)
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629524.00	4277811.00	214.65685	(17022308)	629524.00	4277861.00	215.13536	(17022308)
629524.00	4277911.00	222.46709	(16011409)	629524.00	4277961.00	214.33650	(16011409)
629524.00	4278011.00	176.06158	(18121108)	629524.00	4278061.00	190.71802	(17120108)
629524.00	4278111.00	186.45455	(17120108)	629524.00	4278161.00	177.15336	(15120616)
629524.00	4278211.00	187.70836	(15120616)	629524.00	4278261.00	204.62480	(15013009)
629524.00	4278311.00	208.91103	(15013009)	629524.00	4278361.00	191.49586	(15013009)
629524.00	4278411.00	159.29260	(15013009)	629524.00	4278461.00	133.63850	(15021308)
629524.00	4278511.00	130.41059	(15021308)	629524.00	4278561.00	126.72934	(15120709)
629524.00	4278661.00	111.94426	(15120709)	629524.00	4278711.00	109.16371	(14011409)
629524.00	4278761.00	108.29124	(14011409)	629524.00	4278811.00	103.60629	(14011409)
629524.00	4278861.00	96.06022	(14011409)	629524.00	4278911.00	90.96201	(17121909)
629474.00	4277661.00	189.88944	(15010909)	629474.00	4277711.00	178.43271	(15011908)
629474.00	4277761.00	186.83172	(15011909)	629474.00	4277811.00	198.14348	(17022308)
629474.00	4277861.00	195.93466	(17022308)	629474.00	4277911.00	203.52364	(16011409)
629474.00	4277961.00	197.62595	(16011409)	629474.00	4278011.00	165.22123	(16011409)
629474.00	4278061.00	172.15841	(17120108)	629474.00	4278111.00	174.07121	(17120108)
629474.00	4278161.00	162.93289	(14010708)	629474.00	4278211.00	171.08781	(15120616)
629474.00	4278261.00	177.46559	(15013009)	629474.00	4278311.00	191.79134	(15013009)
629474.00	4278361.00	186.57973	(15013009)	629474.00	4278411.00	165.24447	(15013009)
629474.00	4278461.00	134.46916	(15013009)	629474.00	4278511.00	122.22969	(15021308)
629474.00	4278561.00	118.12955	(15021308)	629474.00	4278661.00	111.47149	(15120709)
629474.00	4278711.00	102.49828	(15120709)	629474.00	4278761.00	99.58564	(14011409)
629474.00	4278811.00	99.42730	(14011409)	629474.00	4278861.00	95.94597	(14011409)
629474.00	4278911.00	89.91428	(14011409)	629424.00	4277661.00	168.37603	(15010909)
629424.00	4277711.00	164.47004	(18012808)	629424.00	4277761.00	171.85182	(15011909)

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        629424.00   4277811.00      183.51215  (17022308)              629424.00
4277861.00      179.34942  (17022308)
        629424.00   4277911.00      187.18356  (16011409)              629424.00
4277961.00      183.12077  (16011409)
        629424.00   4278011.00      156.12453  (16011409)              629424.00
4278061.00      155.50672  (17120108)
        629424.00   4278111.00      161.70854  (17120108)              629424.00
4278161.00      150.59653  (14010708)
        629424.00   4278211.00      153.38944  (15120616)              629424.00
4278261.00      157.53849  (15120616)
        629424.00   4278311.00      171.96603  (15013009)              629424.00
4278361.00      176.46180  (15013009)
        629424.00   4278411.00      165.25545  (15013009)              629424.00
4278461.00      142.35532  (15013009)
        629424.00   4278511.00      113.91647  (15013009)              629424.00
4278611.00      107.55546  (15021308)
        629424.00   4278661.00      106.34139  (15120709)              629424.00
4278711.00      102.28903  (15120709)
        629424.00   4278761.00       94.35157  (15120709)              629424.00
4278811.00       91.30601  (14011409)
        629424.00   4278861.00       91.66507  (14011409)              629424.00
4278911.00       89.12711  (14011409)
        629374.00   4277661.00      152.48512  (15011908)              629374.00
4277711.00      153.87626  (15011909)
        629374.00   4277761.00      158.29149  (15011909)              629374.00
4277811.00      170.39315  (17022308)
        629374.00   4277861.00      164.99988  (17022308)              629374.00
4277911.00      172.97533  (16011409)
        629374.00   4277961.00      170.18855  (16011409)              629374.00
4278011.00      147.42496  (16011409)
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CONST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
629374.00	4278061.00	140.37520	(17120108)	629374.00	4278111.00	149.78642	(17120108)
629374.00	4278161.00	143.03669	(17120108)	629374.00	4278211.00	136.47673	(14010708)
629374.00	4278261.00	146.32177	(15120616)	629374.00	4278311.00	151.24316	(15013009)
629374.00	4278361.00	162.87040	(15013009)	629374.00	4278411.00	160.29272	(15013009)
629374.00	4278461.00	145.53775	(15013009)	629374.00	4278611.00	103.18567	(15021308)
629374.00	4278661.00	98.38509	(15021308)	629374.00	4278711.00	98.15450	(15120709)
629374.00	4278761.00	94.34853	(15120709)	629374.00	4278811.00	87.25556	(15120709)
629374.00	4278861.00	84.07346	(14011409)	629374.00	4278911.00	84.81915	(14011409)
629324.00	4277661.00	141.67899	(15011908)	629324.00	4277711.00	145.15141	(15011909)
629324.00	4277761.00	146.25523	(17022308)	629324.00	4277811.00	158.66803	(17022308)
629324.00	4277861.00	152.36250	(17022308)	629324.00	4277911.00	160.45257	(16011409)
629324.00	4277961.00	158.64675	(16011409)	629324.00	4278011.00	139.52618	(16011409)
629324.00	4278061.00	127.01794	(17120108)	629324.00	4278111.00	138.42701	(17120108)
629324.00	4278161.00	135.91272	(17120108)	629324.00	4278211.00	128.73015	(14010708)
629324.00	4278261.00	133.84101	(15120616)	629324.00	4278311.00	134.58059	(15120616)
629324.00	4278361.00	147.32865	(15013009)	629324.00	4278411.00	151.72436	(15013009)
629324.00	4278561.00	105.86602	(15013009)	629324.00	4278611.00	96.27093	(15021308)
629324.00	4278661.00	95.26866	(15021308)	629324.00	4278711.00	90.99684	(15120709)
629324.00	4278761.00	90.96332	(15120709)	629324.00	4278811.00	87.39511	(15120709)
629324.00	4278861.00	81.02785	(15120709)	629324.00	4278911.00	77.72504	(14011409)
629274.00	4277661.00	131.37784	(15011908)	629274.00	4277711.00	136.63300	(15011909)
629274.00	4277761.00	138.71484	(17022308)	629274.00	4277811.00	148.01265	(17022308)
629274.00	4277861.00	141.22926	(17022308)	629274.00	4277911.00	149.42171	(16011409)
629274.00	4277961.00	148.43810	(16011409)	629274.00	4278011.00	132.05498	(16011409)
629274.00	4278061.00	114.93701	(17120108)	629274.00	4278111.00	127.65285	(17120108)

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        629274.00   4278161.00      128.47244  (17120108)              629274.00
4278211.00      120.50536  (14010708)
        629274.00   4278261.00      120.91178  (15120616)              629274.00
4278311.00      126.81281  (15120616)
        629274.00   4278361.00      131.02325  (15013009)              629274.00
4278511.00      129.28466  (15013009)
        629274.00   4278561.00      112.02339  (15013009)              629274.00
4278611.00       91.51883  (15013009)
        629274.00   4278661.00       89.82359  (15021308)              629274.00
4278711.00       88.19408  (15021308)
        629274.00   4278761.00       84.92662  (15120709)              629274.00
4278811.00       84.60679  (15120709)
        629274.00   4278861.00       81.27401  (15120709)              629274.00
4278911.00       75.52733  (15120709)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43680 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
CONST	1ST HIGHEST VALUE IS	241.83578 AT (630264.00, 4277941.00, 3.91, 3.91, 0.00)	DC	
	2ND HIGHEST VALUE IS	218.19332 AT (630284.00, 4277941.00, 3.72, 3.72, 0.00)	DC	
	3RD HIGHEST VALUE IS	196.62631 AT (630264.00, 4277961.00, 3.93, 3.93, 0.00)	DC	
	4TH HIGHEST VALUE IS	174.26102 AT (630284.00, 4277961.00, 3.79, 3.79, 0.00)	DC	
	5TH HIGHEST VALUE IS	166.28047 AT (630244.00, 4277941.00, 4.10, 4.10, 0.00)	DC	
	6TH HIGHEST VALUE IS	147.71224 AT (630284.00, 4277841.00, 3.76, 3.76, 0.00)	DC	
	7TH HIGHEST VALUE IS	143.54334 AT (630244.00, 4277961.00, 4.05, 4.05, 0.00)	DC	
	8TH HIGHEST VALUE IS	127.24950 AT (630264.00, 4277981.00, 3.83, 3.83, 0.00)	DC	
	9TH HIGHEST VALUE IS	115.05160 AT (630264.00, 4277841.00, 4.06, 4.06, 0.00)	DC	
	10TH HIGHEST VALUE IS	113.88179 AT (630284.00, 4277981.00, 3.72, 3.72, 0.00)	DC	
ALL	1ST HIGHEST VALUE IS	241.83578 AT (630264.00, 4277941.00, 3.91, 3.91, 0.00)	DC	
	2ND HIGHEST VALUE IS	218.19332 AT (630284.00, 4277941.00, 3.72, 3.72, 0.00)	DC	
	3RD HIGHEST VALUE IS	196.62631 AT (630264.00, 4277961.00, 3.93, 3.93, 0.00)	DC	
	4TH HIGHEST VALUE IS	174.26102 AT (630284.00, 4277961.00, 3.79, 3.79, 0.00)	DC	
	5TH HIGHEST VALUE IS	166.28047 AT (630244.00, 4277941.00, 4.10, 4.10, 0.00)	DC	
	6TH HIGHEST VALUE IS	147.71224 AT (630284.00, 4277841.00, 3.76, 3.76, 0.00)	DC	
	7TH HIGHEST VALUE IS	143.54334 AT (630244.00, 4277961.00, 4.05, 4.05, 0.00)	DC	
	8TH HIGHEST VALUE IS	127.24950 AT (630264.00, 4277981.00, 3.83, 3.83, 0.00)	DC	
	9TH HIGHEST VALUE IS	115.05160 AT (630264.00, 4277841.00, 4.06, 4.06, 0.00)	DC	
	10TH HIGHEST VALUE IS	113.88179 AT (630284.00, 4277981.00, 3.72, 3.72, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
CONST	HIGH	1ST HIGH VALUE IS	7852.98268	ON 14010108:	AT (630264.00, 4277941.00, 3.91, 3.91, 0.00)	DC
ALL	HIGH	1ST HIGH VALUE IS	7852.98268	ON 14010108:	AT (630264.00, 4277941.00, 3.91, 3.91, 0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\ARCO\ARCO.isc
***        02/13/23
 *** AERMET - VERSION  19191 ***   ***
***        12:15:59

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of          996 Informational Message(s)

 A Total of        43680 Hours Were Processed

 A Total of          452 Calm Hours Identified

 A Total of          544 Missing Hours Identified (  1.25 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      76       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
 ME W187      76       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
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A-5 HRA Unmitigated

Natomas ARCO

Unmitigated Construction Health Risk Assessment

Off-site Resident

Construction Specifics

				Days				DPM (tons)			
	Year	Start Date	Stop Date	3rd Trimester	0<2	2<9	Construction Duration	Off-Road	Haul - Demo	Haul - Grading	Vendor - Build
Site Construction	2024	1/2/2024	6/25/2024	91	85	0	176	0.02	0	0	0

Construction Emissions, as applied to AERMOD results

				DPM (g/s)
	Year	Start Date	Stop Date	CSTN
Site Construction	2024	1/2/2024	6/25/2024	1.19E-03

Risk Factors

	Abbreviation	Units	3rd Trimester	0<2	2<9
Daily Breathing Rate (95th %'ile)	DBR	L/kg-day	361	1090	631
Fraction Of Time At Home	FAH	unitless	0.85	0.85	0.85
Exposure Frequency	EF	days/year	0.96	0.96	0.96
Age Sensitivity Factor	ASF	unitless	10	10	3
Inhalation Absorption Factor	A	unitless	1	1	1
Conversion Factor	CF_1	m^3/L	0.001	0.001	0.001
Conversion Factor	CF_2	$\mu g/m^3$	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF	$mg/kg\text{-}day^{-1}$	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	years	70.00	70.00	70.00

Intake Factor for Inhalation, IF (m^3/kg-day)

	Year	Equation	3rd Trimester	0<2	2<9
Site Construction	2024	DBR*FAH*EF*ED *ASF*A*CF/AT	1.0E-02	3.0E-02	0.0E+00

Risk Calculation Part 1, R1

	Year	3rd Trimester	0<2	2<9
IF*CPF*CF	2024	1.2E-05	3.3E-05	0.0E+00

Hazard Index

Chronic Inhalation	REL	5	$\mu g/m^3$

	Max	UTM X	UTM Y
3rd Tri	3.33		
0<2	9.38		
2<9	0.00		
	12.71	630264	4277941

Diesel Particulate Matter concentration, C_{DPM} (ug/m^3)

Risk Calculation Part 2

X (UTM)	Y (UTM	C_{DPM}	$\sum R1*C_{DPM}$				Cancer Risk	HI C_{DPM}/REL
			3rd Trimester	0<2	2<9	Total	per million	unitless
630024	4277661	1.7E-03	2.02E-08	5.68E-08	0.00E+00	7.70E-08	0.08	0.00035	1
630024	4277681	1.9E-03	2.14E-08	6.04E-08	0.00E+00	8.18E-08	0.08	0.00037	2
630024	4277761	2.2E-03	2.51E-08	7.07E-08	0.00E+00	9.58E-08	0.10	0.00043	3
630024	4277781	2.2E-03	2.56E-08	7.23E-08	0.00E+00	9.80E-08	0.10	0.00044	4
630024	4277801	2.3E-03	2.62E-08	7.39E-08	0.00E+00	1.00E-07	0.10	0.00045	5
630024	4277821	2.3E-03	2.67E-08	7.53E-08	0.00E+00	1.02E-07	0.10	0.00046	6
630024	4277841	2.4E-03	2.71E-08	7.64E-08	0.00E+00	1.04E-07	0.10	0.00047	7
630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630024	4277921	2.3E-03	2.62E-08	7.38E-08	0.00E+00	1.00E-07	0.10	0.00045	11
630024	4277941	2.2E-03	2.57E-08	7.25E-08	0.00E+00	9.82E-08	0.10	0.00045	12
630024	4277961	2.2E-03	2.54E-08	7.16E-08	0.00E+00	9.70E-08	0.10	0.00044	13
630024	4277981	2.2E-03	2.53E-08	7.13E-08	0.00E+00	9.66E-08	0.10	0.00044	14
630024	4278001	2.2E-03	2.55E-08	7.18E-08	0.00E+00	9.73E-08	0.10	0.00044	15
630024	4278021	2.2E-03	2.59E-08	7.30E-08	0.00E+00	9.89E-08	0.10	0.00045	16
630024	4278041	2.3E-03	2.66E-08	7.49E-08	0.00E+00	1.02E-07	0.10	0.00046	17
630024	4278061	2.4E-03	2.73E-08	7.70E-08	0.00E+00	1.04E-07	0.10	0.00047	18
630024	4278081	2.4E-03	2.80E-08	7.91E-08	0.00E+00	1.07E-07	0.11	0.00049	19
630024	4278101	2.5E-03	2.87E-08	8.10E-08	0.00E+00	1.10E-07	0.11	0.00050	20
630024	4278121	2.5E-03	2.93E-08	8.27E-08	0.00E+00	1.12E-07	0.11	0.00051	21
630024	4278141	2.6E-03	2.98E-08	8.40E-08	0.00E+00	1.14E-07	0.11	0.00052	22
630024	4278161	2.6E-03	3.00E-08	8.47E-08	0.00E+00	1.15E-07	0.11	0.00052	23
630044	4277661	1.9E-03	2.23E-08	6.28E-08	0.00E+00	8.51E-08	0.09	0.00039	24
630044	4277681	2.1E-03	2.39E-08	6.74E-08	0.00E+00	9.13E-08	0.09	0.00041	25
630044	4277741	2.4E-03	2.82E-08	7.96E-08	0.00E+00	1.08E-07	0.11	0.00049	26
630044	4277761	2.5E-03	2.93E-08	8.26E-08	0.00E+00	1.12E-07	0.11	0.00051	27
630044	4277781	2.6E-03	3.01E-08	8.50E-08	0.00E+00	1.15E-07	0.12	0.00052	28
630044	4277801	2.7E-03	3.10E-08	8.75E-08	0.00E+00	1.19E-07	0.12	0.00054	29
630044	4277821	2.8E-03	3.18E-08	8.96E-08	0.00E+00	1.21E-07	0.12	0.00055	30
630044	4277841	2.8E-03	3.23E-08	9.12E-08	0.00E+00	1.24E-07	0.12	0.00056	31
630044	4277861	2.8E-03	3.26E-08	9.19E-08	0.00E+00	1.24E-07	0.12	0.00057	32
630044	4277881	2.8E-03	3.24E-08	9.13E-08	0.00E+00	1.24E-07	0.12	0.00056	33
630044	4277901	2.8E-03	3.17E-08	8.95E-08	0.00E+00	1.21E-07	0.12	0.00055	34
630044	4277921	2.7E-03	3.12E-08	8.80E-08	0.00E+00	1.19E-07	0.12	0.00054	35
630044	4277941	2.7E-03	3.07E-08	8.65E-08	0.00E+00	1.17E-07	0.12	0.00053	36
630044	4277961	2.6E-03	3.04E-08	8.58E-08	0.00E+00	1.16E-07	0.12	0.00053	37
630044	4277981	2.6E-03	3.04E-08	8.58E-08	0.00E+00	1.16E-07	0.12	0.00053	38
630044	4278001	2.7E-03	3.08E-08	8.68E-08	0.00E+00	1.18E-07	0.12	0.00053	39
630044	4278021	2.7E-03	3.14E-08	8.87E-08	0.00E+00	1.20E-07	0.12	0.00055	40
630044	4278041	2.8E-03	3.24E-08	9.14E-08	0.00E+00	1.24E-07	0.12	0.00056	41
630044	4278061	2.9E-03	3.34E-08	9.41E-08	0.00E+00	1.28E-07	0.13	0.00058	42
630044	4278081	3.0E-03	3.43E-08	9.67E-08	0.00E+00	1.31E-07	0.13	0.00060	43
630044	4278101	3.0E-03	3.51E-08	9.90E-08	0.00E+00	1.34E-07	0.13	0.00061	44
630044	4278121	3.1E-03	3.57E-08	1.01E-07	0.00E+00	1.36E-07	0.14	0.00062	45
630044	4278141	3.1E-03	3.61E-08	1.02E-07	0.00E+00	1.38E-07	0.14	0.00063	46
630044	4278161	3.1E-03	3.62E-08	1.02E-07	0.00E+00	1.38E-07	0.14	0.00063	47
630064	4277661	2.1E-03	2.46E-08	6.94E-08	0.00E+00	9.41E-08	0.09	0.00043	48
630064	4277741	2.8E-03	3.28E-08	9.26E-08	0.00E+00	1.25E-07	0.13	0.00057	49
630064	4277761	3.0E-03	3.45E-08	9.73E-08	0.00E+00	1.32E-07	0.13	0.00060	50
630064	4277781	3.1E-03	3.58E-08	1.01E-07	0.00E+00	1.37E-07	0.14	0.00062	51
630064	4277801	3.2E-03	3.72E-08	1.05E-07	0.00E+00	1.42E-07	0.14	0.00065	52
630064	4277821	3.3E-03	3.84E-08	1.08E-07	0.00E+00	1.47E-07	0.15	0.00067	53
630064	4277841	3.4E-03	3.91E-08	1.10E-07	0.00E+00	1.50E-07	0.15	0.00068	54
630064	4277861	3.4E-03	3.95E-08	1.11E-07	0.00E+00	1.51E-07	0.15	0.00068	55
630064	4277881	3.4E-03	3.92E-08	1.11E-07	0.00E+00	1.50E-07	0.15	0.00068	56
630064	4277901	3.3E-03	3.85E-08	1.09E-07	0.00E+00	1.47E-07	0.15	0.00067	57
630064	4277921	3.3E-03	3.78E-08	1.07E-07	0.00E+00	1.45E-07	0.14	0.00066	58
630064	4277941	3.2E-03	3.73E-08	1.05E-07	0.00E+00	1.43E-07	0.14	0.00065	59
630064	4277961	3.2E-03	3.72E-08	1.05E-07	0.00E+00	1.42E-07	0.14	0.00065	60
630064	4277981	3.2E-03	3.74E-08	1.05E-07	0.00E+00	1.43E-07	0.14	0.00065	61
630064	4278001	3.3E-03	3.81E-08	1.07E-07	0.00E+00	1.45E-07	0.15	0.00066	62
630064	4278021	3.4E-03	3.90E-08	1.10E-07	0.00E+00	1.49E-07	0.15	0.00068	63
630064	4278041	3.5E-03	4.03E-08	1.14E-07	0.00E+00	1.54E-07	0.15	0.00070	64
630064	4278061	3.6E-03	4.15E-08	1.17E-07	0.00E+00	1.59E-07	0.16	0.00072	65
630064	4278081	3.7E-03	4.26E-08	1.20E-07	0.00E+00	1.63E-07	0.16	0.00074	66
630064	4278101	3.8E-03	4.34E-08	1.22E-07	0.00E+00	1.66E-07	0.17	0.00075	67
630064	4278121	3.8E-03	4.39E-08	1.24E-07	0.00E+00	1.68E-07	0.17	0.00076	68
630064	4278141	3.8E-03	4.40E-08	1.24E-07	0.00E+00	1.68E-07	0.17	0.00076	69
630064	4278161	3.8E-03	4.37E-08	1.23E-07	0.00E+00	1.67E-07	0.17	0.00076	70
630084	4277741	3.3E-03	3.83E-08	1.08E-07	0.00E+00	1.46E-07	0.15	0.00066	71
630084	4277761	3.5E-03	4.09E-08	1.15E-07	0.00E+00	1.56E-07	0.16	0.00071	72
630084	4277781	3.7E-03	4.31E-08	1.22E-07	0.00E+00	1.65E-07	0.16	0.00075	73
630084	4277801	3.9E-03	4.53E-08	1.28E-07	0.00E+00	1.73E-07	0.17	0.00079	74
630084	4277821	4.1E-03	4.70E-08	1.33E-07	0.00E+00	1.80E-07	0.18	0.00082	75
630084	4277841	4.2E-03	4.82E-08	1.36E-07	0.00E+00	1.84E-07	0.18	0.00084	76
630084	4277861	4.2E-03	4.87E-08	1.37E-07	0.00E+00	1.86E-07	0.19	0.00085	77
630084	4277881	4.2E-03	4.86E-08	1.37E-07	0.00E+00	1.86E-07	0.19	0.00084	78
630084	4277901	4.1E-03	4.77E-08	1.35E-07	0.00E+00	1.82E-07	0.18	0.00083	79
630084	4277921	4.1E-03	4.69E-08	1.32E-07	0.00E+00	1.79E-07	0.18	0.00081	80
630084	4277941	4.0E-03	4.64E-08	1.31E-07	0.00E+00	1.77E-07	0.18	0.00081	81
630084	4277961	4.0E-03	4.65E-08	1.31E-07	0.00E+00	1.78E-07	0.18	0.00081	82
630084	4277981	4.1E-03	4.71E-08	1.33E-07	0.00E+00	1.80E-07	0.18	0.00082	83
630084	4278001	4.2E-03	4.83E-08	1.36E-07	0.00E+00	1.85E-07	0.18	0.00084	84
630084	4278021	4.3E-03	4.99E-08	1.41E-07	0.00E+00	1.91E-07	0.19	0.00087	85
630084	4278041	4.5E-03	5.15E-08	1.45E-07	0.00E+00	1.97E-07	0.20	0.00089	86

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630084	4278061	4.6E-03	5.29E-08	1.49E-07	0.00E+00	2.02E-07	0.20	0.00092	87
630084	4278081	4.7E-03	5.39E-08	1.52E-07	0.00E+00	2.06E-07	0.21	0.00094	88
630084	4278101	4.7E-03	5.45E-08	1.54E-07	0.00E+00	2.08E-07	0.21	0.00095	89
630084	4278121	4.7E-03	5.46E-08	1.54E-07	0.00E+00	2.09E-07	0.21	0.00095	90
630084	4278141	4.7E-03	5.41E-08	1.52E-07	0.00E+00	2.07E-07	0.21	0.00094	91
630084	4278161	4.6E-03	5.30E-08	1.49E-07	0.00E+00	2.02E-07	0.20	0.00092	92
630104	4277701	3.2E-03	3.68E-08	1.04E-07	0.00E+00	1.41E-07	0.14	0.00064	93
630104	4277721	3.5E-03	4.07E-08	1.15E-07	0.00E+00	1.55E-07	0.16	0.00071	94
630104	4277761	4.2E-03	4.87E-08	1.37E-07	0.00E+00	1.86E-07	0.19	0.00084	95
630104	4277781	4.6E-03	5.25E-08	1.48E-07	0.00E+00	2.01E-07	0.20	0.00091	96
630104	4277801	4.8E-03	5.59E-08	1.58E-07	0.00E+00	2.14E-07	0.21	0.00097	97
630104	4277821	5.1E-03	5.86E-08	1.65E-07	0.00E+00	2.24E-07	0.22	0.00102	98
630104	4277841	5.3E-03	6.06E-08	1.71E-07	0.00E+00	2.32E-07	0.23	0.00105	99
630104	4277861	5.4E-03	6.17E-08	1.74E-07	0.00E+00	2.36E-07	0.24	0.00107	100
630104	4277881	5.4E-03	6.17E-08	1.74E-07	0.00E+00	2.36E-07	0.24	0.00107	101
630104	4277901	5.3E-03	6.08E-08	1.71E-07	0.00E+00	2.32E-07	0.23	0.00105	102
630104	4277921	5.2E-03	5.99E-08	1.69E-07	0.00E+00	2.29E-07	0.23	0.00104	103
630104	4277941	5.2E-03	5.94E-08	1.67E-07	0.00E+00	2.27E-07	0.23	0.00103	104
630104	4277961	5.2E-03	5.99E-08	1.69E-07	0.00E+00	2.29E-07	0.23	0.00104	105
630104	4277981	5.3E-03	6.12E-08	1.73E-07	0.00E+00	2.34E-07	0.23	0.00106	106
630104	4278001	5.5E-03	6.32E-08	1.78E-07	0.00E+00	2.41E-07	0.24	0.00110	107
630104	4278021	5.7E-03	6.55E-08	1.85E-07	0.00E+00	2.50E-07	0.25	0.00114	108
630104	4278041	5.9E-03	6.76E-08	1.91E-07	0.00E+00	2.58E-07	0.26	0.00117	109
630104	4278061	6.0E-03	6.91E-08	1.95E-07	0.00E+00	2.64E-07	0.26	0.00120	110
630104	4278081	6.0E-03	6.97E-08	1.97E-07	0.00E+00	2.66E-07	0.27	0.00121	111
630104	4278101	6.0E-03	6.95E-08	1.96E-07	0.00E+00	2.66E-07	0.27	0.00121	112
630104	4278121	5.9E-03	6.84E-08	1.93E-07	0.00E+00	2.61E-07	0.26	0.00119	113
630104	4278141	5.8E-03	6.65E-08	1.88E-07	0.00E+00	2.54E-07	0.25	0.00115	114
630104	4278161	5.6E-03	6.42E-08	1.81E-07	0.00E+00	2.45E-07	0.25	0.00111	115
630124	4277701	3.6E-03	4.15E-08	1.17E-07	0.00E+00	1.59E-07	0.16	0.00072	116
630124	4277721	4.0E-03	4.65E-08	1.31E-07	0.00E+00	1.78E-07	0.18	0.00081	117
630124	4277741	4.5E-03	5.21E-08	1.47E-07	0.00E+00	1.99E-07	0.20	0.00090	118
630124	4277761	5.0E-03	5.81E-08	1.64E-07	0.00E+00	2.22E-07	0.22	0.00101	119
630124	4277821	6.5E-03	7.48E-08	2.11E-07	0.00E+00	2.86E-07	0.29	0.00130	120
630124	4277841	6.8E-03	7.84E-08	2.21E-07	0.00E+00	2.99E-07	0.30	0.00136	121
630124	4277861	7.0E-03	8.05E-08	2.27E-07	0.00E+00	3.07E-07	0.31	0.00140	122
630124	4277881	7.0E-03	8.10E-08	2.29E-07	0.00E+00	3.10E-07	0.31	0.00141	123
630124	4277901	7.0E-03	8.03E-08	2.26E-07	0.00E+00	3.07E-07	0.31	0.00139	124
630124	4277921	6.9E-03	7.92E-08	2.23E-07	0.00E+00	3.03E-07	0.30	0.00137	125
630124	4277941	6.8E-03	7.88E-08	2.22E-07	0.00E+00	3.01E-07	0.30	0.00137	126
630124	4277961	7.0E-03	8.01E-08	2.26E-07	0.00E+00	3.06E-07	0.31	0.00139	127
630124	4277981	7.2E-03	8.26E-08	2.33E-07	0.00E+00	3.16E-07	0.32	0.00143	128
630124	4278001	7.4E-03	8.58E-08	2.42E-07	0.00E+00	3.28E-07	0.33	0.00149	129
630124	4278021	7.7E-03	8.89E-08	2.51E-07	0.00E+00	3.40E-07	0.34	0.00154	130
630124	4278041	7.9E-03	9.11E-08	2.57E-07	0.00E+00	3.48E-07	0.35	0.00158	131
630124	4278061	8.0E-03	9.18E-08	2.59E-07	0.00E+00	3.51E-07	0.35	0.00159	132
630124	4278081	7.9E-03	9.11E-08	2.57E-07	0.00E+00	3.48E-07	0.35	0.00158	133
630124	4278101	7.7E-03	8.89E-08	2.51E-07	0.00E+00	3.40E-07	0.34	0.00154	134
630124	4278121	7.4E-03	8.57E-08	2.42E-07	0.00E+00	3.27E-07	0.33	0.00149	135
630124	4278141	7.1E-03	8.17E-08	2.30E-07	0.00E+00	3.12E-07	0.31	0.00142	136
630124	4278161	6.7E-03	7.73E-08	2.18E-07	0.00E+00	2.95E-07	0.30	0.00134	137
630144	4277681	3.6E-03	4.16E-08	1.17E-07	0.00E+00	1.59E-07	0.16	0.00072	138
630144	4277701	4.1E-03	4.70E-08	1.33E-07	0.00E+00	1.80E-07	0.18	0.00082	139
630144	4277721	4.6E-03	5.33E-08	1.50E-07	0.00E+00	2.04E-07	0.20	0.00093	140
630144	4277741	5.3E-03	6.09E-08	1.72E-07	0.00E+00	2.33E-07	0.23	0.00106	141
630144	4277761	6.0E-03	6.97E-08	1.96E-07	0.00E+00	2.66E-07	0.27	0.00121	142
630144	4277781	6.9E-03	7.93E-08	2.24E-07	0.00E+00	3.03E-07	0.30	0.00138	143
630144	4277841	9.1E-03	1.05E-07	2.95E-07	0.00E+00	4.00E-07	0.40	0.00182	144
630144	4277861	9.5E-03	1.09E-07	3.07E-07	0.00E+00	4.16E-07	0.42	0.00189	145
630144	4277881	9.6E-03	1.11E-07	3.12E-07	0.00E+00	4.23E-07	0.42	0.00192	146
630144	4277901	9.6E-03	1.10E-07	3.11E-07	0.00E+00	4.22E-07	0.42	0.00192	147
630144	4277921	9.5E-03	1.09E-07	3.08E-07	0.00E+00	4.17E-07	0.42	0.00189	148
630144	4277941	9.5E-03	1.09E-07	3.08E-07	0.00E+00	4.17E-07	0.42	0.00189	149
630144	4277961	9.8E-03	1.13E-07	3.18E-07	0.00E+00	4.30E-07	0.43	0.00195	150
630144	4277981	1.0E-02	1.17E-07	3.31E-07	0.00E+00	4.48E-07	0.45	0.00203	151
630144	4278001	1.1E-02	1.22E-07	3.44E-07	0.00E+00	4.66E-07	0.47	0.00211	152
630144	4278021	1.1E-02	1.25E-07	3.53E-07	0.00E+00	4.78E-07	0.48	0.00217	153
630144	4278041	1.1E-02	1.26E-07	3.55E-07	0.00E+00	4.81E-07	0.48	0.00218	154
630144	4278061	1.1E-02	1.24E-07	3.49E-07	0.00E+00	4.73E-07	0.47	0.00215	155
630144	4278081	1.0E-02	1.20E-07	3.37E-07	0.00E+00	4.57E-07	0.46	0.00208	156
630144	4278101	9.9E-03	1.14E-07	3.21E-07	0.00E+00	4.34E-07	0.43	0.00197	157
630144	4278121	9.3E-03	1.07E-07	3.01E-07	0.00E+00	4.08E-07	0.41	0.00185	158
630144	4278141	8.6E-03	9.96E-08	2.81E-07	0.00E+00	3.81E-07	0.38	0.00173	159
630144	4278161	8.0E-03	9.23E-08	2.60E-07	0.00E+00	3.53E-07	0.35	0.00160	160
630164	4277661	3.6E-03	4.13E-08	1.17E-07	0.00E+00	1.58E-07	0.16	0.00072	161
630164	4277681	4.1E-03	4.69E-08	1.32E-07	0.00E+00	1.79E-07	0.18	0.00081	162
630164	4277701	4.6E-03	5.35E-08	1.51E-07	0.00E+00	2.04E-07	0.20	0.00093	163
630164	4277721	5.3E-03	6.15E-08	1.73E-07	0.00E+00	2.35E-07	0.24	0.00107	164
630164	4277741	6.2E-03	7.16E-08	2.02E-07	0.00E+00	2.74E-07	0.27	0.00124	165
630164	4277761	7.3E-03	8.40E-08	2.37E-07	0.00E+00	3.21E-07	0.32	0.00146	166
630164	4277781	8.5E-03	9.85E-08	2.78E-07	0.00E+00	3.76E-07	0.38	0.00171	167
630164	4277801	9.9E-03	1.14E-07	3.23E-07	0.00E+00	4.37E-07	0.44	0.00198	168
630164	4277861	1.3E-02	1.55E-07	4.37E-07	0.00E+00	5.92E-07	0.59	0.00269	169
630164	4277881	1.4E-02	1.60E-07	4.50E-07	0.00E+00	6.10E-07	0.61	0.00277	170
630164	4277901	1.4E-02	1.60E-07	4.52E-07	0.00E+00	6.13E-07	0.61	0.00278	171
630164	4277921	1.4E-02	1.60E-07	4.50E-07	0.00E+00	6.10E-07	0.61	0.00277	172
630164	4277941	1.4E-02	1.62E-07	4.56E-07	0.00E+00	6.17E-07	0.62	0.00280	173
630164	4277961	1.5E-02	1.69E-07	4.77E-07	0.00E+00	6.46E-07	0.65	0.00293	174
630164	4277981	1.5E-02	1.77E-07	4.99E-07	0.00E+00	6.76E-07	0.68	0.00307	175
630164	4278001	1.6E-02	1.82E-07	5.13E-07	0.00E+00	6.95E-07	0.69	0.00316	176
630164	4278021	1.6E-02	1.82E-07	5.13E-07	0.00E+00	6.96E-07	0.70	0.00316	177
630164	4278041	1.5E-02	1.77E-07	4.99E-07	0.00E+00	6.76E-07	0.68	0.00307	178
630164	4278061	1.5E-02	1.68E-07	4.74E-07	0.00E+00	6.42E-07	0.64	0.00292	179
630164	4278081	1.4E-02	1.57E-07	4.42E-07	0.00E+00	5.98E-07	0.60	0.00272	180
630164	4278101	1.3E-02	1.44E-07	4.07E-07	0.00E+00	5.51E-07	0.55	0.00250	181
630164	4278121	1.1E-02	1.32E-07	3.72E-07	0.00E+00	5.03E-07	0.50	0.00229	182
630164	4278141	1.0E-02	1.20E-07	3.38E-07	0.00E+00	4.58E-07	0.46	0.00208	183
630164	4278161	9.4E-03	1.09E-07	3.07E-07	0.00E+00	4.16E-07	0.42	0.00189	184
630184	4277661	4.1E-03	4.68E-08	1.32E-07	0.00E+00	1.79E-07	0.18	0.00081	185
630184	4277681	4.6E-03	5.34E-08	1.51E-07	0.00E+00	2.04E-07	0.20	0.00093	186
630184	4277701	5.3E-03	6.16E-08	1.74E-07	0.00E+00	2.35E-07	0.24	0.00107	187
630184	4277721	6.2E-03	7.17E-08	2.02E-07	0.00E+00	2.74E-07	0.27	0.00124	188
630184	4277741	7.4E-03	8.50E-08	2.40E-07	0.00E+00	3.25E-07	0.32	0.00147	189
630184	4277761	8.8E-03	1.02E-07	2.87E-07	0.00E+00	3.89E-07	0.39	0.00177	190
630184	4277781	1.1E-02	1.23E-07	3.48E-07	0.00E+00	4.71E-07	0.47	0.00214	191
630184	4277801	1.3E-02	1.49E-07	4.20E-07	0.00E+00	5.69E-07	0.57	0.00259	192
630184	4277861	2.0E-02	2.34E-07	6.60E-07	0.00E+00	8.94E-07	0.89	0.00406	193
630184	4277881	2.2E-02	2.48E-07	6.99E-07	0.00E+00	9.47E-07	0.95	0.00430	194
630184	4277901	2.2E-02	2.52E-07	7.11E-07	0.00E+00	9.64E-07	0.96	0.00438	195
630184	4277921	2.2E-02	2.55E-07	7.19E-07	0.00E+00	9.74E-07	0.97	0.00442	196
630184	4277941	2.3E-02	2.63E-07	7.41E-07	0.00E+00	1.00E-06	1.00	0.00456	197
630184	4277961	2.4E-02	2.77E-07	7.82E-07	0.00E+00	1.06E-06	1.06	0.00481	198
630184	4277981	2.5E-02	2.86E-07	8.07E-07	0.00E+00	1.09E-06	1.09	0.00497	199
630184	4278001	2.5E-02	2.84E-07	8.01E-07	0.00E+00	1.08E-06	1.08	0.00493	200
630184	4278021	2.3E-02	2.71E-07	7.63E-07	0.00E+00	1.03E-06	1.03	0.00469	201
630184	4278041	2.2E-02	2.50E-07	7.05E-07	0.00E+00	9.55E-07	0.95	0.00434	202
630184	4278061	2.0E-02	2.26E-07	6.38E-07	0.00E+00	8.64E-07	0.86	0.00392	203
630184	4278081	1.8E-02	2.02E-07	5.70E-07	0.00E+00	7.72E-07	0.77	0.00351	204
630184	4278101	1.6E-02	1.80E-07	5.07E-07	0.00E+00	6.86E-07	0.69	0.00312	205
630184	4278121	1.4E-02	1.59E-07	4.49E-07	0.00E+00	6.09E-07	0.61	0.00276	206
630184	4278141	1.2E-02	1.41E-07	3.99E-07	0.00E+00	5.40E-07	0.54	0.00245	207
630184	4278161	1.1E-02	1.26E-07	3.55E-07	0.00E+00	4.80E-07	0.48	0.00218	208
630204	4277661	4.6E-03	5.36E-08	1.51E-07	0.00E+00	2.05E-07	0.20	0.00093	209
630204	4277681	5.4E-03	6.17E-08	1.74E-07	0.00E+00	2.36E-07	0.24	0.00107	210

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630204	4277701	6.2E-03	7.20E-08	2.03E-07	0.00E+00	2.75E-07	0.27	0.00125	211
630204	4277721	7.4E-03	8.49E-08	2.40E-07	0.00E+00	3.24E-07	0.32	0.00147	212
630204	4277741	8.9E-03	1.02E-07	2.89E-07	0.00E+00	3.91E-07	0.39	0.00178	213
630204	4277761	1.1E-02	1.25E-07	3.54E-07	0.00E+00	4.79E-07	0.48	0.00217	214
630204	4277781	1.4E-02	1.56E-07	4.41E-07	0.00E+00	5.97E-07	0.60	0.00271	215
630204	4277801	1.7E-02	1.97E-07	5.57E-07	0.00E+00	7.54E-07	0.75	0.00343	216
630204	4277821	2.2E-02	2.52E-07	7.10E-07	0.00E+00	9.62E-07	0.96	0.00437	217
630204	4277901	3.9E-02	4.46E-07	1.26E-06	0.00E+00	1.71E-06	1.71	0.00775	218
630204	4277921	4.0E-02	4.66E-07	1.31E-06	0.00E+00	1.78E-06	1.78	0.00808	219
630204	4277941	4.2E-02	4.87E-07	1.37E-06	0.00E+00	1.86E-06	1.86	0.00844	220
630204	4277961	4.4E-02	5.04E-07	1.42E-06	0.00E+00	1.93E-06	1.93	0.00875	221
630204	4277981	4.3E-02	4.95E-07	1.40E-06	0.00E+00	1.89E-06	1.89	0.00858	222
630204	4278001	3.9E-02	4.55E-07	1.28E-06	0.00E+00	1.74E-06	1.74	0.00789	223
630204	4278021	3.5E-02	4.01E-07	1.13E-06	0.00E+00	1.53E-06	1.53	0.00696	224
630204	4278041	3.0E-02	3.46E-07	9.76E-07	0.00E+00	1.32E-06	1.32	0.00601	225
630204	4278061	2.6E-02	2.96E-07	8.36E-07	0.00E+00	1.13E-06	1.13	0.00514	226
630204	4278081	2.2E-02	2.53E-07	7.15E-07	0.00E+00	9.68E-07	0.97	0.00440	227
630204	4278101	1.9E-02	2.17E-07	6.13E-07	0.00E+00	8.30E-07	0.83	0.00377	228
630204	4278121	1.6E-02	1.87E-07	5.28E-07	0.00E+00	7.16E-07	0.72	0.00325	229
630204	4278141	1.4E-02	1.62E-07	4.58E-07	0.00E+00	6.21E-07	0.62	0.00282	230
630204	4278161	1.2E-02	1.42E-07	4.00E-07	0.00E+00	5.42E-07	0.54	0.00246	231
630224	4277661	5.4E-03	6.21E-08	1.75E-07	0.00E+00	2.37E-07	0.24	0.00108	232
630224	4277681	6.3E-03	7.26E-08	2.05E-07	0.00E+00	2.77E-07	0.28	0.00126	233
630224	4277701	7.4E-03	8.57E-08	2.42E-07	0.00E+00	3.27E-07	0.33	0.00149	234
630224	4277721	8.9E-03	1.03E-07	2.89E-07	0.00E+00	3.92E-07	0.39	0.00178	235
630224	4277741	1.1E-02	1.26E-07	3.55E-07	0.00E+00	4.80E-07	0.48	0.00218	236
630224	4277761	1.4E-02	1.58E-07	4.44E-07	0.00E+00	6.02E-07	0.60	0.00273	237
630224	4277781	1.8E-02	2.03E-07	5.73E-07	0.00E+00	7.76E-07	0.78	0.00353	238
630224	4277801	2.3E-02	2.69E-07	7.60E-07	0.00E+00	1.03E-06	1.03	0.00467	239
630224	4277821	3.2E-02	3.68E-07	1.04E-06	0.00E+00	1.41E-06	1.41	0.00639	240
630224	4277901	8.0E-02	9.26E-07	2.61E-06	0.00E+00	3.54E-06	3.54	0.01607	241
630224	4277921	8.8E-02	1.02E-06	2.86E-06	0.00E+00	3.88E-06	3.88	0.01762	242
630224	4277941	9.1E-02	1.04E-06	2.95E-06	0.00E+00	3.99E-06	3.99	0.01812	243
630224	4277961	8.8E-02	1.01E-06	2.85E-06	0.00E+00	3.86E-06	3.86	0.01754	244
630224	4277981	7.6E-02	8.75E-07	2.47E-06	0.00E+00	3.34E-06	3.34	0.01518	245
630224	4278001	6.2E-02	7.11E-07	2.01E-06	0.00E+00	2.72E-06	2.72	0.01234	246
630224	4278021	4.9E-02	5.69E-07	1.60E-06	0.00E+00	2.17E-06	2.17	0.00986	247
630224	4278041	4.0E-02	4.56E-07	1.29E-06	0.00E+00	1.74E-06	1.74	0.00791	248
630224	4278061	3.2E-02	3.69E-07	1.04E-06	0.00E+00	1.41E-06	1.41	0.00641	249
630224	4278081	2.6E-02	3.03E-07	8.55E-07	0.00E+00	1.16E-06	1.16	0.00526	250
630224	4278101	2.2E-02	2.52E-07	7.11E-07	0.00E+00	9.63E-07	0.96	0.00437	251
630224	4278121	1.8E-02	2.12E-07	5.98E-07	0.00E+00	8.10E-07	0.81	0.00368	252
630224	4278141	1.6E-02	1.80E-07	5.09E-07	0.00E+00	6.89E-07	0.69	0.00313	253
630224	4278161	1.3E-02	1.55E-07	4.37E-07	0.00E+00	5.92E-07	0.59	0.00269	254
630244	4277701	9.0E-03	1.04E-07	2.93E-07	0.00E+00	3.97E-07	0.40	0.00180	255
630244	4277721	1.1E-02	1.27E-07	3.59E-07	0.00E+00	4.86E-07	0.49	0.00221	256
630244	4277741	1.4E-02	1.59E-07	4.50E-07	0.00E+00	6.09E-07	0.61	0.00277	257
630244	4277761	1.8E-02	2.05E-07	5.79E-07	0.00E+00	7.85E-07	0.78	0.00356	258
630244	4277781	2.4E-02	2.74E-07	7.73E-07	0.00E+00	1.05E-06	1.05	0.00476	259
630244	4277801	3.3E-02	3.84E-07	1.08E-06	0.00E+00	1.47E-06	1.47	0.00667	260
630244	4277821	4.9E-02	5.70E-07	1.61E-06	0.00E+00	2.18E-06	2.18	0.00988	261
630244	4277841	7.6E-02	8.77E-07	2.47E-06	0.00E+00	3.35E-06	3.35	0.01521	262
630244	4277941	2.0E-01	2.29E-06	6.45E-06	0.00E+00	8.74E-06	8.74	0.03968	263
630244	4277961	1.7E-01	1.97E-06	5.57E-06	0.00E+00	7.54E-06	7.54	0.03425	264
630244	4277981	1.2E-01	1.41E-06	3.98E-06	0.00E+00	5.39E-06	5.39	0.02450	265
630244	4278001	8.7E-02	1.00E-06	2.82E-06	0.00E+00	3.82E-06	3.82	0.01735	266
630244	4278021	6.3E-02	7.30E-07	2.06E-06	0.00E+00	2.79E-06	2.79	0.01266	267
630244	4278041	4.8E-02	5.50E-07	1.55E-06	0.00E+00	2.10E-06	2.10	0.00955	268
630244	4278061	3.7E-02	4.27E-07	1.20E-06	0.00E+00	1.63E-06	1.63	0.00741	269
630244	4278081	2.9E-02	3.40E-07	9.59E-07	0.00E+00	1.30E-06	1.30	0.00590	270
630244	4278101	2.4E-02	2.76E-07	7.79E-07	0.00E+00	1.06E-06	1.06	0.00479	271
630244	4278121	2.0E-02	2.29E-07	6.45E-07	0.00E+00	8.73E-07	0.87	0.00397	272
630244	4278141	1.7E-02	1.92E-07	5.41E-07	0.00E+00	7.33E-07	0.73	0.00333	273
630244	4278161	1.4E-02	1.63E-07	4.60E-07	0.00E+00	6.24E-07	0.62	0.00283	274
630264	4277741	1.8E-02	2.06E-07	5.82E-07	0.00E+00	7.88E-07	0.79	0.00358	275
630264	4277761	2.4E-02	2.76E-07	7.78E-07	0.00E+00	1.05E-06	1.05	0.00479	276
630264	4277781	3.4E-02	3.87E-07	1.09E-06	0.00E+00	1.48E-06	1.48	0.00671	277
630264	4277801	5.0E-02	5.75E-07	1.62E-06	0.00E+00	2.20E-06	2.20	0.00997	278
630264	4277821	8.0E-02	9.24E-07	2.61E-06	0.00E+00	3.53E-06	3.53	0.01603	279
630264	4277841	1.4E-01	1.58E-06	4.46E-06	0.00E+00	6.05E-06	6.05	0.02745	280
630264	4277941	2.9E-01	3.33E-06	9.38E-06	0.00E+00	1.27E-05	12.71	0.05771	281
630264	4277961	2.3E-01	2.70E-06	7.63E-06	0.00E+00	1.03E-05	10.33	0.04692	282
630264	4277981	1.5E-01	1.75E-06	4.94E-06	0.00E+00	6.69E-06	6.69	0.03037	283
630264	4278001	1.0E-01	1.15E-06	3.25E-06	0.00E+00	4.41E-06	4.41	0.02001	284
630264	4278021	7.0E-02	8.04E-07	2.27E-06	0.00E+00	3.07E-06	3.07	0.01395	285
630264	4278041	5.1E-02	5.89E-07	1.66E-06	0.00E+00	2.25E-06	2.25	0.01022	286
630264	4278061	3.9E-02	4.48E-07	1.26E-06	0.00E+00	1.71E-06	1.71	0.00778	287
630264	4278081	3.1E-02	3.52E-07	9.93E-07	0.00E+00	1.35E-06	1.35	0.00611	288
630264	4278101	2.5E-02	2.84E-07	8.00E-07	0.00E+00	1.08E-06	1.08	0.00492	289
630264	4278121	2.0E-02	2.33E-07	6.57E-07	0.00E+00	8.90E-07	0.89	0.00404	290
630264	4278141	1.7E-02	1.95E-07	5.49E-07	0.00E+00	7.43E-07	0.74	0.00337	291
630264	4278161	1.4E-02	1.65E-07	4.65E-07	0.00E+00	6.29E-07	0.63	0.00286	292
630284	4277661	8.7E-03	1.01E-07	2.84E-07	0.00E+00	3.84E-07	0.38	0.00175	293
630284	4277681	1.1E-02	1.23E-07	3.47E-07	0.00E+00	4.71E-07	0.47	0.00214	294
630284	4277801	6.7E-02	7.72E-07	2.18E-06	0.00E+00	2.95E-06	2.95	0.01339	295
630284	4277821	1.1E-01	1.24E-06	3.50E-06	0.00E+00	4.74E-06	4.74	0.02155	296
630284	4277841	1.8E-01	2.03E-06	5.73E-06	0.00E+00	7.76E-06	7.76	0.03525	297
630284	4277941	2.6E-01	3.00E-06	8.46E-06	0.00E+00	1.15E-05	11.47	0.05207	298
630284	4277961	2.1E-01	2.40E-06	6.76E-06	0.00E+00	9.16E-06	9.16	0.04158	299
630284	4277981	1.4E-01	1.57E-06	4.42E-06	0.00E+00	5.98E-06	5.98	0.02718	300
630284	4278001	9.1E-02	1.05E-06	2.96E-06	0.00E+00	4.01E-06	4.01	0.01823	301
630284	4278021	6.5E-02	7.44E-07	2.10E-06	0.00E+00	2.84E-06	2.84	0.01290	302
630284	4278041	4.8E-02	5.51E-07	1.55E-06	0.00E+00	2.11E-06	2.11	0.00956	303
630284	4278061	3.7E-02	4.23E-07	1.19E-06	0.00E+00	1.62E-06	1.62	0.00735	304
630284	4278081	2.9E-02	3.35E-07	9.44E-07	0.00E+00	1.28E-06	1.28	0.00581	305
630284	4278101	2.4E-02	2.71E-07	7.64E-07	0.00E+00	1.04E-06	1.04	0.00470	306
630284	4278121	1.9E-02	2.23E-07	6.30E-07	0.00E+00	8.54E-07	0.85	0.00388	307
630284	4278141	1.6E-02	1.87E-07	5.28E-07	0.00E+00	7.16E-07	0.72	0.00325	308
630284	4278161	1.4E-02	1.59E-07	4.49E-07	0.00E+00	6.08E-07	0.61	0.00276	309
630304	4277661	1.0E-02	1.17E-07	3.30E-07	0.00E+00	4.48E-07	0.45	0.00203	310
630304	4277681	1.3E-02	1.44E-07	4.06E-07	0.00E+00	5.51E-07	0.55	0.00250	311
630304	4277701	1.6E-02	1.81E-07	5.10E-07	0.00E+00	6.91E-07	0.69	0.00314	312
630304	4277721	2.0E-02	2.33E-07	6.56E-07	0.00E+00	8.88E-07	0.89	0.00403	313
630324	4277661	1.1E-02	1.32E-07	3.72E-07	0.00E+00	5.04E-07	0.50	0.00229	314
630324	4277681	1.4E-02	1.62E-07	4.56E-07	0.00E+00	6.18E-07	0.62	0.00281	315
630324	4277701	1.7E-02	2.01E-07	5.68E-07	0.00E+00	7.69E-07	0.77	0.00349	316
630324	4277721	2.2E-02	2.55E-07	7.18E-07	0.00E+00	9.73E-07	0.97	0.00442	317
630324	4277741	2.8E-02	3.27E-07	9.23E-07	0.00E+00	1.25E-06	1.25	0.00568	318
630324	4277761	3.7E-02	4.26E-07	1.20E-06	0.00E+00	1.63E-06	1.63	0.00739	319
630324	4277781	4.8E-02	5.59E-07	1.58E-06	0.00E+00	2.14E-06	2.14	0.00970	320
630344	4277661	1.2E-02	1.42E-07	4.00E-07	0.00E+00	5.42E-07	0.54	0.00246	321
630344	4277681	1.5E-02	1.72E-07	4.84E-07	0.00E+00	6.55E-07	0.66	0.00298	322
630344	4277701	1.8E-02	2.09E-07	5.90E-07	0.00E+00	7.99E-07	0.80	0.00363	323
630344	4277721	2.2E-02	2.56E-07	7.23E-07	0.00E+00	9.80E-07	0.98	0.00445	324
630344	4277741	2.7E-02	3.15E-07	8.89E-07	0.00E+00	1.20E-06	1.20	0.00547	325
630344	4277761	3.4E-02	3.87E-07	1.09E-06	0.00E+00	1.48E-06	1.48	0.00671	326
630344	4277781	4.1E-02	4.68E-07	1.32E-06	0.00E+00	1.79E-06	1.79	0.00812	327
630344	4277801	4.8E-02	5.51E-07	1.55E-06	0.00E+00	2.10E-06	2.10	0.00955	328
630344	4277821	5.3E-02	6.16E-07	1.74E-06	0.00E+00	2.35E-06	2.35	0.01069	329
630344	4277881	5.0E-02	5.78E-07	1.63E-06	0.00E+00	2.21E-06	2.21	0.01003	330
630344	4277901	4.6E-02	5.35E-07	1.51E-06	0.00E+00	2.04E-06	2.04	0.00927	331
630344	4277921	4.4E-02	5.04E-07	1.42E-06	0.00E+00	1.93E-06	1.93	0.00874	332
630344	4277941	4.2E-02	4.79E-07	1.35E-06	0.00E+00	1.83E-06	1.83	0.00831	333
630344	4277961	3.8E-02	4.41E-07	1.24E-06	0.00E+00	1.68E-06	1.68	0.00765	334

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630344	4277981	3.4E-02	3.93E-07	1.11E-06	0.00E+00	1.50E-06	1.50	0.00681	335
630344	4278001	3.0E-02	3.43E-07	9.67E-07	0.00E+00	1.31E-06	1.31	0.00595	336
630344	4278021	2.6E-02	2.96E-07	8.34E-07	0.00E+00	1.13E-06	1.13	0.00513	337
630344	4278041	2.2E-02	2.54E-07	7.16E-07	0.00E+00	9.70E-07	0.97	0.00440	338
630344	4278061	1.9E-02	2.19E-07	6.17E-07	0.00E+00	8.36E-07	0.84	0.00380	339
630344	4278081	1.7E-02	1.90E-07	5.37E-07	0.00E+00	7.27E-07	0.73	0.00330	340
630344	4278101	1.4E-02	1.66E-07	4.69E-07	0.00E+00	6.35E-07	0.64	0.00289	341
630344	4278121	1.3E-02	1.46E-07	4.11E-07	0.00E+00	5.57E-07	0.56	0.00253	342
630344	4278141	1.1E-02	1.28E-07	3.62E-07	0.00E+00	4.90E-07	0.49	0.00222	343
630344	4278161	9.8E-03	1.13E-07	3.20E-07	0.00E+00	4.33E-07	0.43	0.00197	344
630364	4277661	1.3E-02	1.44E-07	4.07E-07	0.00E+00	5.52E-07	0.55	0.00251	345
630364	4277681	1.5E-02	1.71E-07	4.81E-07	0.00E+00	6.52E-07	0.65	0.00296	346
630364	4277701	1.7E-02	2.02E-07	5.69E-07	0.00E+00	7.70E-07	0.77	0.00350	347
630364	4277721	2.1E-02	2.38E-07	6.70E-07	0.00E+00	9.08E-07	0.91	0.00412	348
630364	4277741	2.4E-02	2.78E-07	7.84E-07	0.00E+00	1.06E-06	1.06	0.00482	349
630364	4277761	2.8E-02	3.20E-07	9.03E-07	0.00E+00	1.22E-06	1.22	0.00556	350
630364	4277781	3.1E-02	3.60E-07	1.02E-06	0.00E+00	1.38E-06	1.38	0.00625	351
630364	4277801	3.4E-02	3.90E-07	1.10E-06	0.00E+00	1.49E-06	1.49	0.00677	352
630364	4277821	3.5E-02	4.02E-07	1.13E-06	0.00E+00	1.53E-06	1.53	0.00697	353
630364	4277881	2.9E-02	3.35E-07	9.44E-07	0.00E+00	1.28E-06	1.28	0.00581	354
630364	4277901	2.7E-02	3.14E-07	8.86E-07	0.00E+00	1.20E-06	1.20	0.00545	355
630364	4277921	2.6E-02	3.03E-07	8.56E-07	0.00E+00	1.16E-06	1.16	0.00526	356
630364	4277941	2.5E-02	2.93E-07	8.27E-07	0.00E+00	1.12E-06	1.12	0.00509	357
630364	4277961	2.4E-02	2.78E-07	7.83E-07	0.00E+00	1.06E-06	1.06	0.00482	358
630364	4277981	2.2E-02	2.57E-07	7.24E-07	0.00E+00	9.81E-07	0.98	0.00445	359
630364	4278001	2.0E-02	2.33E-07	6.58E-07	0.00E+00	8.91E-07	0.89	0.00405	360
630364	4278021	1.8E-02	2.09E-07	5.90E-07	0.00E+00	8.00E-07	0.80	0.00363	361
630364	4278041	1.6E-02	1.86E-07	5.25E-07	0.00E+00	7.12E-07	0.71	0.00323	362
630364	4278061	1.4E-02	1.66E-07	4.68E-07	0.00E+00	6.34E-07	0.63	0.00288	363
630364	4278081	1.3E-02	1.48E-07	4.18E-07	0.00E+00	5.67E-07	0.57	0.00257	364
630364	4278101	1.2E-02	1.33E-07	3.75E-07	0.00E+00	5.08E-07	0.51	0.00231	365
630364	4278121	1.0E-02	1.19E-07	3.36E-07	0.00E+00	4.55E-07	0.45	0.00207	366
630364	4278141	9.3E-03	1.07E-07	3.01E-07	0.00E+00	4.08E-07	0.41	0.00185	367
630364	4278161	8.3E-03	9.59E-08	2.71E-07	0.00E+00	3.66E-07	0.37	0.00166	368
630384	4277661	1.2E-02	1.40E-07	3.95E-07	0.00E+00	5.34E-07	0.53	0.00243	369
630384	4277681	1.4E-02	1.61E-07	4.53E-07	0.00E+00	6.13E-07	0.61	0.00278	370
630384	4277701	1.6E-02	1.83E-07	5.17E-07	0.00E+00	7.00E-07	0.70	0.00318	371
630384	4277721	1.8E-02	2.07E-07	5.84E-07	0.00E+00	7.91E-07	0.79	0.00359	372
630384	4277741	2.0E-02	2.31E-07	6.51E-07	0.00E+00	8.82E-07	0.88	0.00400	373
630384	4277761	2.2E-02	2.52E-07	7.10E-07	0.00E+00	9.62E-07	0.96	0.00437	374
630384	4277781	2.3E-02	2.67E-07	7.54E-07	0.00E+00	1.02E-06	1.02	0.00464	375
630384	4277801	2.4E-02	2.74E-07	7.72E-07	0.00E+00	1.05E-06	1.05	0.00475	376
630384	4277821	2.3E-02	2.68E-07	7.55E-07	0.00E+00	1.02E-06	1.02	0.00464	377
630384	4277881	1.9E-02	2.15E-07	6.05E-07	0.00E+00	8.20E-07	0.82	0.00372	378
630384	4277901	1.8E-02	2.04E-07	5.76E-07	0.00E+00	7.80E-07	0.78	0.00354	379
630384	4277921	1.7E-02	2.00E-07	5.63E-07	0.00E+00	7.63E-07	0.76	0.00346	380
630384	4277941	1.7E-02	1.95E-07	5.50E-07	0.00E+00	7.46E-07	0.75	0.00339	381
630384	4277961	1.6E-02	1.88E-07	5.30E-07	0.00E+00	7.18E-07	0.72	0.00326	382
630384	4277981	1.5E-02	1.78E-07	5.01E-07	0.00E+00	6.79E-07	0.68	0.00308	383
630384	4278001	1.4E-02	1.66E-07	4.67E-07	0.00E+00	6.32E-07	0.63	0.00287	384
630384	4278021	1.3E-02	1.53E-07	4.31E-07	0.00E+00	5.83E-07	0.58	0.00265	385
630384	4278041	1.2E-02	1.40E-07	3.95E-07	0.00E+00	5.34E-07	0.53	0.00243	386
630384	4278061	1.1E-02	1.28E-07	3.60E-07	0.00E+00	4.88E-07	0.49	0.00222	387
630384	4278081	1.0E-02	1.16E-07	3.28E-07	0.00E+00	4.45E-07	0.44	0.00202	388
630384	4278101	9.2E-03	1.06E-07	2.99E-07	0.00E+00	4.05E-07	0.40	0.00184	389
630384	4278121	8.4E-03	9.65E-08	2.72E-07	0.00E+00	3.69E-07	0.37	0.00167	390
630384	4278141	7.6E-03	8.80E-08	2.48E-07	0.00E+00	3.36E-07	0.34	0.00153	391
630384	4278161	7.0E-03	8.03E-08	2.26E-07	0.00E+00	3.07E-07	0.31	0.00139	392
630404	4277661	1.1E-02	1.30E-07	3.66E-07	0.00E+00	4.95E-07	0.50	0.00225	393
630404	4277681	1.3E-02	1.44E-07	4.07E-07	0.00E+00	5.52E-07	0.55	0.00251	394
630404	4277701	1.4E-02	1.59E-07	4.49E-07	0.00E+00	6.09E-07	0.61	0.00276	395
630404	4277721	1.5E-02	1.73E-07	4.89E-07	0.00E+00	6.62E-07	0.66	0.00301	396
630404	4277741	1.6E-02	1.85E-07	5.23E-07	0.00E+00	7.08E-07	0.71	0.00321	397
630404	4277761	1.7E-02	1.94E-07	5.46E-07	0.00E+00	7.40E-07	0.74	0.00336	398
630404	4277781	1.7E-02	1.97E-07	5.56E-07	0.00E+00	7.53E-07	0.75	0.00342	399
630404	4277801	1.7E-02	1.94E-07	5.48E-07	0.00E+00	7.42E-07	0.74	0.00337	400
630404	4277821	1.6E-02	1.85E-07	5.21E-07	0.00E+00	7.05E-07	0.71	0.00320	401
630404	4277881	1.3E-02	1.48E-07	4.17E-07	0.00E+00	5.65E-07	0.57	0.00257	402
630404	4277901	1.2E-02	1.43E-07	4.02E-07	0.00E+00	5.45E-07	0.55	0.00248	403
630404	4277921	1.2E-02	1.40E-07	3.96E-07	0.00E+00	5.36E-07	0.54	0.00243	404
630404	4277941	1.2E-02	1.38E-07	3.90E-07	0.00E+00	5.28E-07	0.53	0.00240	405
630404	4277961	1.2E-02	1.35E-07	3.79E-07	0.00E+00	5.14E-07	0.51	0.00233	406
630404	4277981	1.1E-02	1.29E-07	3.64E-07	0.00E+00	4.93E-07	0.49	0.00224	407
630404	4278001	1.1E-02	1.22E-07	3.45E-07	0.00E+00	4.67E-07	0.47	0.00212	408
630404	4278021	9.9E-03	1.15E-07	3.23E-07	0.00E+00	4.38E-07	0.44	0.00199	409
630404	4278041	9.3E-03	1.07E-07	3.02E-07	0.00E+00	4.08E-07	0.41	0.00185	410
630404	4278061	8.6E-03	9.92E-08	2.80E-07	0.00E+00	3.79E-07	0.38	0.00172	411
630404	4278081	8.0E-03	9.17E-08	2.59E-07	0.00E+00	3.50E-07	0.35	0.00159	412
630404	4278101	7.4E-03	8.49E-08	2.39E-07	0.00E+00	3.24E-07	0.32	0.00147	413
630404	4278121	6.8E-03	7.84E-08	2.21E-07	0.00E+00	3.00E-07	0.30	0.00136	414
630404	4278141	6.3E-03	7.25E-08	2.04E-07	0.00E+00	2.77E-07	0.28	0.00126	415
630404	4278161	5.8E-03	6.70E-08	1.89E-07	0.00E+00	2.56E-07	0.26	0.00116	416
630424	4277661	1.0E-02	1.16E-07	3.28E-07	0.00E+00	4.44E-07	0.44	0.00202	417
630424	4277681	1.1E-02	1.26E-07	3.55E-07	0.00E+00	4.81E-07	0.48	0.00219	418
630424	4277701	1.2E-02	1.35E-07	3.80E-07	0.00E+00	5.15E-07	0.51	0.00234	419
630424	4277721	1.2E-02	1.42E-07	4.00E-07	0.00E+00	5.42E-07	0.54	0.00246	420
630424	4277741	1.3E-02	1.47E-07	4.14E-07	0.00E+00	5.60E-07	0.56	0.00255	421
630424	4277761	1.3E-02	1.48E-07	4.19E-07	0.00E+00	5.67E-07	0.57	0.00257	422
630424	4277781	1.3E-02	1.47E-07	4.14E-07	0.00E+00	5.61E-07	0.56	0.00255	423
630424	4277801	1.2E-02	1.41E-07	3.98E-07	0.00E+00	5.39E-07	0.54	0.00245	424
630424	4277821	1.1E-02	1.32E-07	3.73E-07	0.00E+00	5.05E-07	0.50	0.00229	425
630424	4277881	9.3E-03	1.08E-07	3.03E-07	0.00E+00	4.11E-07	0.41	0.00187	426
630424	4277901	9.1E-03	1.05E-07	2.95E-07	0.00E+00	4.00E-07	0.40	0.00182	427
630424	4277921	9.0E-03	1.04E-07	2.92E-07	0.00E+00	3.96E-07	0.40	0.00180	428
630424	4277941	8.9E-03	1.02E-07	2.89E-07	0.00E+00	3.92E-07	0.39	0.00178	429
630424	4277961	8.7E-03	1.01E-07	2.83E-07	0.00E+00	3.84E-07	0.38	0.00174	430
630424	4277981	8.4E-03	9.74E-08	2.75E-07	0.00E+00	3.72E-07	0.37	0.00169	431
630424	4278001	8.1E-03	9.33E-08	2.63E-07	0.00E+00	3.56E-07	0.36	0.00162	432
630424	4278021	7.7E-03	8.86E-08	2.50E-07	0.00E+00	3.39E-07	0.34	0.00154	433
630424	4278041	7.2E-03	8.33E-08	2.35E-07	0.00E+00	3.18E-07	0.32	0.00145	434
630424	4278061	6.8E-03	7.81E-08	2.20E-07	0.00E+00	2.99E-07	0.30	0.00136	435
630424	4278081	6.3E-03	7.31E-08	2.06E-07	0.00E+00	2.79E-07	0.28	0.00127	436
630424	4278101	5.9E-03	6.85E-08	1.93E-07	0.00E+00	2.62E-07	0.26	0.00119	437
630424	4278121	5.6E-03	6.43E-08	1.81E-07	0.00E+00	2.46E-07	0.25	0.00112	438
630424	4278141	5.2E-03	6.00E-08	1.69E-07	0.00E+00	2.29E-07	0.23	0.00104	439
630424	4278161	4.9E-03	5.60E-08	1.58E-07	0.00E+00	2.14E-07	0.21	0.00097	440
630444	4277661	8.8E-03	1.02E-07	2.88E-07	0.00E+00	3.90E-07	0.39	0.00177	441
630444	4277681	9.3E-03	1.08E-07	3.04E-07	0.00E+00	4.12E-07	0.41	0.00187	442
630444	4277701	9.7E-03	1.12E-07	3.16E-07	0.00E+00	4.29E-07	0.43	0.00195	443
630444	4277721	1.0E-02	1.15E-07	3.24E-07	0.00E+00	4.39E-07	0.44	0.00199	444
630444	4277741	1.0E-02	1.16E-07	3.27E-07	0.00E+00	4.42E-07	0.44	0.00201	445
630444	4277761	9.9E-03	1.14E-07	3.23E-07	0.00E+00	4.37E-07	0.44	0.00198	446
630444	4277781	9.6E-03	1.11E-07	3.13E-07	0.00E+00	4.24E-07	0.42	0.00192	447
630444	4277801	9.1E-03	1.05E-07	2.97E-07	0.00E+00	4.02E-07	0.40	0.00183	448
630444	4277821	8.5E-03	9.79E-08	2.76E-07	0.00E+00	3.74E-07	0.37	0.00170	449
630444	4277881	7.1E-03	8.15E-08	2.30E-07	0.00E+00	3.11E-07	0.31	0.00141	450
630444	4277901	6.9E-03	7.98E-08	2.25E-07	0.00E+00	3.05E-07	0.31	0.00139	451
630444	4277921	6.9E-03	7.93E-08	2.24E-07	0.00E+00	3.03E-07	0.30	0.00138	452
630444	4277941	6.8E-03	7.88E-08	2.22E-07	0.00E+00	3.01E-07	0.30	0.00137	453
630444	4277961	6.7E-03	7.77E-08	2.19E-07	0.00E+00	2.97E-07	0.30	0.00135	454
630444	4277981	6.6E-03	7.58E-08	2.14E-07	0.00E+00	2.90E-07	0.29	0.00131	455
630444	4278001	6.4E-03	7.32E-08	2.06E-07	0.00E+00	2.80E-07	0.28	0.00127	456
630444	4278021	6.1E-03	6.99E-08	1.97E-07	0.00E+00	2.67E-07	0.27	0.00121	457
630444	4278041	5.8E-03	6.63E-08	1.87E-07	0.00E+00	2.53E-07	0.25	0.00115	458

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630444	4278061	5.4E-03	6.28E-08	1.77E-07	0.00E+00	2.40E-07	0.24	0.00109	459
630444	4278081	5.2E-03	5.94E-08	1.68E-07	0.00E+00	2.27E-07	0.23	0.00103	460
630444	4278101	4.9E-03	5.62E-08	1.59E-07	0.00E+00	2.15E-07	0.21	0.00098	461
630444	4278121	4.6E-03	5.33E-08	1.50E-07	0.00E+00	2.04E-07	0.20	0.00092	462
630444	4278141	4.4E-03	5.02E-08	1.41E-07	0.00E+00	1.92E-07	0.19	0.00087	463
630444	4278161	4.1E-03	4.72E-08	1.33E-07	0.00E+00	1.80E-07	0.18	0.00082	464
630464	4277661	7.6E-03	8.81E-08	2.48E-07	0.00E+00	3.36E-07	0.34	0.00153	465
630464	4277681	7.9E-03	9.11E-08	2.57E-07	0.00E+00	3.48E-07	0.35	0.00158	466
630464	4277701	8.1E-03	9.29E-08	2.62E-07	0.00E+00	3.55E-07	0.35	0.00161	467
630464	4277721	8.1E-03	9.31E-08	2.63E-07	0.00E+00	3.56E-07	0.36	0.00162	468
630464	4277741	8.0E-03	9.20E-08	2.59E-07	0.00E+00	3.51E-07	0.35	0.00160	469
630464	4277761	7.7E-03	8.93E-08	2.52E-07	0.00E+00	3.41E-07	0.34	0.00155	470
630464	4277781	7.4E-03	8.55E-08	2.41E-07	0.00E+00	3.26E-07	0.33	0.00148	471
630464	4277801	7.0E-03	8.05E-08	2.27E-07	0.00E+00	3.07E-07	0.31	0.00140	472
630464	4277821	6.5E-03	7.48E-08	2.11E-07	0.00E+00	2.86E-07	0.29	0.00130	473
630464	4277881	5.5E-03	6.37E-08	1.80E-07	0.00E+00	2.43E-07	0.24	0.00111	474
630464	4277901	5.4E-03	6.27E-08	1.77E-07	0.00E+00	2.40E-07	0.24	0.00109	475
630464	4277921	5.4E-03	6.25E-08	1.76E-07	0.00E+00	2.39E-07	0.24	0.00108	476
630464	4277941	5.4E-03	6.23E-08	1.76E-07	0.00E+00	2.38E-07	0.24	0.00108	477
630464	4277961	5.3E-03	6.16E-08	1.74E-07	0.00E+00	2.35E-07	0.24	0.00107	478
630464	4277981	5.2E-03	6.05E-08	1.71E-07	0.00E+00	2.31E-07	0.23	0.00105	479
630464	4278001	5.1E-03	5.86E-08	1.65E-07	0.00E+00	2.24E-07	0.22	0.00102	480
630464	4278021	4.9E-03	5.63E-08	1.59E-07	0.00E+00	2.15E-07	0.21	0.00098	481
630464	4278041	4.7E-03	5.38E-08	1.52E-07	0.00E+00	2.06E-07	0.21	0.00093	482
630464	4278061	4.5E-03	5.15E-08	1.45E-07	0.00E+00	1.97E-07	0.20	0.00089	483
630464	4278081	4.3E-03	4.92E-08	1.39E-07	0.00E+00	1.88E-07	0.19	0.00085	484
630464	4278101	4.1E-03	4.69E-08	1.32E-07	0.00E+00	1.79E-07	0.18	0.00081	485
630464	4278121	3.9E-03	4.47E-08	1.26E-07	0.00E+00	1.71E-07	0.17	0.00078	486
630464	4278141	3.7E-03	4.23E-08	1.19E-07	0.00E+00	1.62E-07	0.16	0.00073	487
630464	4278161	3.5E-03	4.01E-08	1.13E-07	0.00E+00	1.53E-07	0.15	0.00070	488
630484	4277661	6.5E-03	7.52E-08	2.12E-07	0.00E+00	2.87E-07	0.29	0.00131	489
630484	4277681	6.6E-03	7.65E-08	2.16E-07	0.00E+00	2.92E-07	0.29	0.00133	490
630484	4277701	6.7E-03	7.67E-08	2.16E-07	0.00E+00	2.93E-07	0.29	0.00133	491
630484	4277721	6.6E-03	7.57E-08	2.13E-07	0.00E+00	2.89E-07	0.29	0.00131	492
630484	4277741	6.4E-03	7.37E-08	2.08E-07	0.00E+00	2.81E-07	0.28	0.00128	493
630484	4277761	6.1E-03	7.07E-08	1.99E-07	0.00E+00	2.70E-07	0.27	0.00123	494
630484	4277781	5.8E-03	6.70E-08	1.89E-07	0.00E+00	2.56E-07	0.26	0.00116	495
630484	4277801	5.5E-03	6.29E-08	1.78E-07	0.00E+00	2.40E-07	0.24	0.00109	496
630484	4277821	5.1E-03	5.87E-08	1.66E-07	0.00E+00	2.24E-07	0.22	0.00102	497
630484	4277881	4.4E-03	5.11E-08	1.44E-07	0.00E+00	1.95E-07	0.20	0.00089	498
630484	4277901	4.4E-03	5.05E-08	1.42E-07	0.00E+00	1.93E-07	0.19	0.00088	499
630484	4277921	4.4E-03	5.04E-08	1.42E-07	0.00E+00	1.93E-07	0.19	0.00087	500
630484	4277941	4.4E-03	5.03E-08	1.42E-07	0.00E+00	1.92E-07	0.19	0.00087	501
630484	4277961	4.3E-03	5.00E-08	1.41E-07	0.00E+00	1.91E-07	0.19	0.00087	502
630484	4277981	4.3E-03	4.92E-08	1.39E-07	0.00E+00	1.88E-07	0.19	0.00085	503
630484	4278001	4.2E-03	4.79E-08	1.35E-07	0.00E+00	1.83E-07	0.18	0.00083	504
630484	4278021	4.0E-03	4.63E-08	1.31E-07	0.00E+00	1.77E-07	0.18	0.00080	505
630484	4278041	3.9E-03	4.46E-08	1.26E-07	0.00E+00	1.70E-07	0.17	0.00077	506
630484	4278061	3.7E-03	4.29E-08	1.21E-07	0.00E+00	1.64E-07	0.16	0.00074	507
630484	4278081	3.6E-03	4.13E-08	1.16E-07	0.00E+00	1.58E-07	0.16	0.00072	508
630484	4278101	3.4E-03	3.96E-08	1.12E-07	0.00E+00	1.51E-07	0.15	0.00069	509
630484	4278121	3.3E-03	3.79E-08	1.07E-07	0.00E+00	1.45E-07	0.14	0.00066	510
630484	4278141	3.1E-03	3.61E-08	1.02E-07	0.00E+00	1.38E-07	0.14	0.00063	511
630484	4278161	3.0E-03	3.43E-08	9.68E-08	0.00E+00	1.31E-07	0.13	0.00060	512
630504	4277661	5.6E-03	6.40E-08	1.81E-07	0.00E+00	2.45E-07	0.24	0.00111	513
630504	4277681	5.6E-03	6.42E-08	1.81E-07	0.00E+00	2.45E-07	0.25	0.00111	514
630504	4277701	5.5E-03	6.35E-08	1.79E-07	0.00E+00	2.43E-07	0.24	0.00110	515
630504	4277721	5.4E-03	6.19E-08	1.75E-07	0.00E+00	2.37E-07	0.24	0.00107	516
630504	4277741	5.2E-03	5.97E-08	1.68E-07	0.00E+00	2.28E-07	0.23	0.00104	517
630504	4277761	4.9E-03	5.68E-08	1.60E-07	0.00E+00	2.17E-07	0.22	0.00099	518
630504	4277781	4.7E-03	5.36E-08	1.51E-07	0.00E+00	2.05E-07	0.20	0.00093	519
630504	4277801	4.4E-03	5.03E-08	1.42E-07	0.00E+00	1.92E-07	0.19	0.00087	520
630504	4277821	4.1E-03	4.72E-08	1.33E-07	0.00E+00	1.80E-07	0.18	0.00082	521
630504	4277881	3.6E-03	4.18E-08	1.18E-07	0.00E+00	1.60E-07	0.16	0.00073	522
630504	4277901	3.6E-03	4.15E-08	1.17E-07	0.00E+00	1.58E-07	0.16	0.00072	523
630504	4277921	3.6E-03	4.15E-08	1.17E-07	0.00E+00	1.58E-07	0.16	0.00072	524
630504	4277941	3.6E-03	4.15E-08	1.17E-07	0.00E+00	1.58E-07	0.16	0.00072	525
630504	4277961	3.6E-03	4.13E-08	1.16E-07	0.00E+00	1.58E-07	0.16	0.00072	526
630504	4277981	3.5E-03	4.08E-08	1.15E-07	0.00E+00	1.56E-07	0.16	0.00071	527
630504	4278001	3.5E-03	3.98E-08	1.12E-07	0.00E+00	1.52E-07	0.15	0.00069	528
630504	4278021	3.4E-03	3.87E-08	1.09E-07	0.00E+00	1.48E-07	0.15	0.00067	529
630504	4278041	3.3E-03	3.75E-08	1.06E-07	0.00E+00	1.43E-07	0.14	0.00065	530
630504	4278061	3.1E-03	3.62E-08	1.02E-07	0.00E+00	1.38E-07	0.14	0.00063	531
630504	4278081	3.0E-03	3.50E-08	9.87E-08	0.00E+00	1.34E-07	0.13	0.00061	532
630504	4278101	2.9E-03	3.37E-08	9.52E-08	0.00E+00	1.29E-07	0.13	0.00059	533
630504	4278121	2.8E-03	3.24E-08	9.15E-08	0.00E+00	1.24E-07	0.12	0.00056	534
630504	4278141	2.7E-03	3.11E-08	8.76E-08	0.00E+00	1.19E-07	0.12	0.00054	535
630504	4278161	2.6E-03	2.97E-08	8.37E-08	0.00E+00	1.13E-07	0.11	0.00051	536
630524	4277661	4.7E-03	5.44E-08	1.54E-07	0.00E+00	2.08E-07	0.21	0.00094	537
630524	4277681	4.7E-03	5.40E-08	1.52E-07	0.00E+00	2.06E-07	0.21	0.00094	538
630524	4277701	4.6E-03	5.29E-08	1.49E-07	0.00E+00	2.02E-07	0.20	0.00092	539
630524	4277721	4.4E-03	5.12E-08	1.44E-07	0.00E+00	1.95E-07	0.20	0.00089	540
630524	4277741	4.2E-03	4.90E-08	1.38E-07	0.00E+00	1.87E-07	0.19	0.00085	541
630524	4277761	4.0E-03	4.64E-08	1.31E-07	0.00E+00	1.77E-07	0.18	0.00081	542
630524	4277781	3.8E-03	4.37E-08	1.23E-07	0.00E+00	1.67E-07	0.17	0.00076	543
630524	4277801	3.6E-03	4.10E-08	1.16E-07	0.00E+00	1.57E-07	0.16	0.00071	544
630524	4277821	3.4E-03	3.86E-08	1.09E-07	0.00E+00	1.48E-07	0.15	0.00067	545
630524	4277881	3.0E-03	3.48E-08	9.82E-08	0.00E+00	1.33E-07	0.13	0.00060	546
630524	4277901	3.0E-03	3.46E-08	9.76E-08	0.00E+00	1.32E-07	0.13	0.00060	547
630524	4277921	3.0E-03	3.46E-08	9.77E-08	0.00E+00	1.32E-07	0.13	0.00060	548
630524	4277941	3.0E-03	3.47E-08	9.78E-08	0.00E+00	1.33E-07	0.13	0.00060	549
630524	4277961	3.0E-03	3.46E-08	9.76E-08	0.00E+00	1.32E-07	0.13	0.00060	550
630524	4277981	3.0E-03	3.43E-08	9.66E-08	0.00E+00	1.31E-07	0.13	0.00059	551
630524	4278001	2.9E-03	3.36E-08	9.47E-08	0.00E+00	1.28E-07	0.13	0.00058	552
630524	4278021	2.8E-03	3.28E-08	9.24E-08	0.00E+00	1.25E-07	0.13	0.00057	553
630524	4278041	2.8E-03	3.19E-08	8.99E-08	0.00E+00	1.22E-07	0.12	0.00055	554
630524	4278061	2.7E-03	3.09E-08	8.72E-08	0.00E+00	1.18E-07	0.12	0.00054	555
630524	4278081	2.6E-03	3.00E-08	8.46E-08	0.00E+00	1.15E-07	0.11	0.00052	556
630524	4278101	2.5E-03	2.90E-08	8.19E-08	0.00E+00	1.11E-07	0.11	0.00050	557
630524	4278121	2.4E-03	2.80E-08	7.91E-08	0.00E+00	1.07E-07	0.11	0.00049	558
630524	4278141	2.3E-03	2.69E-08	7.60E-08	0.00E+00	1.03E-07	0.10	0.00047	559
630524	4278161	2.2E-03	2.59E-08	7.30E-08	0.00E+00	9.88E-08	0.10	0.00045	560
630024	4278211	2.6E-03	3.00E-08	8.46E-08	0.00E+00	1.15E-07	0.11	0.00052	561
630024	4278261	2.5E-03	2.90E-08	8.19E-08	0.00E+00	1.11E-07	0.11	0.00050	562
630024	4278311	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	563
630024	4278361	2.2E-03	2.51E-08	7.09E-08	0.00E+00	9.60E-08	0.10	0.00044	564
630024	4278411	2.0E-03	2.29E-08	6.45E-08	0.00E+00	8.73E-08	0.09	0.00040	565
630024	4278461	1.8E-03	2.06E-08	5.82E-08	0.00E+00	7.88E-08	0.08	0.00036	566
630024	4278511	1.6E-03	1.87E-08	5.27E-08	0.00E+00	7.13E-08	0.07	0.00032	567
630024	4278561	1.5E-03	1.68E-08	4.75E-08	0.00E+00	6.43E-08	0.06	0.00029	568
630024	4278611	1.3E-03	1.52E-08	4.28E-08	0.00E+00	5.80E-08	0.06	0.00026	569
630024	4278711	1.1E-03	1.25E-08	3.51E-08	0.00E+00	4.76E-08	0.05	0.00022	570
630024	4278761	9.8E-04	1.13E-08	3.20E-08	0.00E+00	4.33E-08	0.04	0.00020	571
630024	4278811	9.0E-04	1.04E-08	2.92E-08	0.00E+00	3.96E-08	0.04	0.00018	572
630024	4278861	8.2E-04	9.49E-09	2.68E-08	0.00E+00	3.62E-08	0.04	0.00016	573
630024	4278911	7.6E-04	8.72E-09	2.46E-08	0.00E+00	3.33E-08	0.03	0.00015	574
630074	4278211	3.9E-03	4.51E-08	1.27E-07	0.00E+00	1.72E-07	0.17	0.00078	575
630074	4278261	3.5E-03	4.08E-08	1.15E-07	0.00E+00	1.56E-07	0.16	0.00071	576
630074	4278311	3.1E-03	3.62E-08	1.02E-07	0.00E+00	1.38E-07	0.14	0.00063	577
630074	4278361	2.8E-03	3.19E-08	8.99E-08	0.00E+00	1.22E-07	0.12	0.00055	578
630074	4278411	2.4E-03	2.80E-08	7.89E-08	0.00E+00	1.07E-07	0.11	0.00049	579
630074	4278461	2.1E-03	2.45E-08	6.92E-08	0.00E+00	9.37E-08	0.09	0.00043	580
630074	4278511	1.9E-03	2.16E-08	6.10E-08	0.00E+00	8.26E-08	0.08	0.00038	581
630074	4278561	1.7E-03	1.91E-08	5.39E-08	0.00E+00	7.31E-08	0.07	0.00033	582

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630074	4278611	1.5E-03	1.70E-08	4.79E-08	0.00E+00	6.49E-08	0.06	0.00029	583
630074	4278711	1.2E-03	1.36E-08	3.84E-08	0.00E+00	5.20E-08	0.05	0.00024	584
630074	4278761	1.1E-03	1.23E-08	3.46E-08	0.00E+00	4.68E-08	0.05	0.00021	585
630074	4278811	9.6E-04	1.11E-08	3.13E-08	0.00E+00	4.24E-08	0.04	0.00019	586
630074	4278861	8.8E-04	1.01E-08	2.85E-08	0.00E+00	3.86E-08	0.04	0.00018	587
630074	4278911	8.0E-04	9.23E-09	2.60E-08	0.00E+00	3.52E-08	0.04	0.00016	588
630124	4278211	5.7E-03	6.59E-08	1.86E-07	0.00E+00	2.52E-07	0.25	0.00114	589
630124	4278261	4.8E-03	5.54E-08	1.56E-07	0.00E+00	2.11E-07	0.21	0.00096	590
630124	4278311	4.0E-03	4.64E-08	1.31E-07	0.00E+00	1.77E-07	0.18	0.00081	591
630124	4278361	3.4E-03	3.91E-08	1.10E-07	0.00E+00	1.49E-07	0.15	0.00068	592
630124	4278411	2.9E-03	3.32E-08	9.35E-08	0.00E+00	1.27E-07	0.13	0.00058	593
630124	4278461	2.5E-03	2.83E-08	7.99E-08	0.00E+00	1.08E-07	0.11	0.00049	594
630124	4278511	2.1E-03	2.44E-08	6.89E-08	0.00E+00	9.34E-08	0.09	0.00042	595
630124	4278561	1.8E-03	2.12E-08	5.99E-08	0.00E+00	8.11E-08	0.08	0.00037	596
630124	4278611	1.6E-03	1.86E-08	5.24E-08	0.00E+00	7.10E-08	0.07	0.00032	597
630124	4278711	1.3E-03	1.46E-08	4.11E-08	0.00E+00	5.57E-08	0.06	0.00025	598
630124	4278761	1.1E-03	1.30E-08	3.68E-08	0.00E+00	4.98E-08	0.05	0.00023	599
630124	4278811	1.0E-03	1.17E-08	3.31E-08	0.00E+00	4.48E-08	0.04	0.00020	600
630124	4278861	9.2E-04	1.06E-08	2.99E-08	0.00E+00	4.05E-08	0.04	0.00018	601
630124	4278911	8.4E-04	9.63E-09	2.72E-08	0.00E+00	3.68E-08	0.04	0.00017	602
630174	4278211	7.8E-03	9.03E-08	2.55E-07	0.00E+00	3.45E-07	0.34	0.00157	603
630174	4278261	6.1E-03	7.06E-08	1.99E-07	0.00E+00	2.70E-07	0.27	0.00123	604
630174	4278311	4.9E-03	5.63E-08	1.59E-07	0.00E+00	2.15E-07	0.22	0.00098	605
630174	4278361	4.0E-03	4.57E-08	1.29E-07	0.00E+00	1.74E-07	0.17	0.00079	606
630174	4278411	3.3E-03	3.76E-08	1.06E-07	0.00E+00	1.44E-07	0.14	0.00065	607
630174	4278461	2.7E-03	3.15E-08	8.88E-08	0.00E+00	1.20E-07	0.12	0.00055	608
630174	4278511	2.3E-03	2.67E-08	7.53E-08	0.00E+00	1.02E-07	0.10	0.00046	609
630174	4278561	2.0E-03	2.29E-08	6.45E-08	0.00E+00	8.73E-08	0.09	0.00040	610
630174	4278611	1.7E-03	1.98E-08	5.59E-08	0.00E+00	7.57E-08	0.08	0.00034	611
630174	4278711	1.3E-03	1.53E-08	4.31E-08	0.00E+00	5.84E-08	0.06	0.00027	612
630174	4278761	1.2E-03	1.36E-08	3.83E-08	0.00E+00	5.19E-08	0.05	0.00024	613
630174	4278811	1.1E-03	1.21E-08	3.42E-08	0.00E+00	4.63E-08	0.05	0.00021	614
630174	4278861	9.5E-04	1.09E-08	3.08E-08	0.00E+00	4.17E-08	0.04	0.00019	615
630174	4278911	8.6E-04	9.88E-09	2.79E-08	0.00E+00	3.78E-08	0.04	0.00017	616
630224	4278211	9.6E-03	1.10E-07	3.11E-07	0.00E+00	4.21E-07	0.42	0.00191	617
630224	4278261	7.1E-03	8.18E-08	2.31E-07	0.00E+00	3.13E-07	0.31	0.00142	618
630224	4278311	5.5E-03	6.29E-08	1.78E-07	0.00E+00	2.40E-07	0.24	0.00109	619
630224	4278361	4.3E-03	4.98E-08	1.40E-07	0.00E+00	1.90E-07	0.19	0.00086	620
630224	4278411	3.5E-03	4.03E-08	1.14E-07	0.00E+00	1.54E-07	0.15	0.00070	621
630224	4278461	2.9E-03	3.32E-08	9.37E-08	0.00E+00	1.27E-07	0.13	0.00058	622
630224	4278511	2.4E-03	2.78E-08	7.85E-08	0.00E+00	1.06E-07	0.11	0.00048	623
630224	4278561	2.1E-03	2.36E-08	6.67E-08	0.00E+00	9.03E-08	0.09	0.00041	624
630224	4278611	1.8E-03	2.04E-08	5.74E-08	0.00E+00	7.78E-08	0.08	0.00035	625
630224	4278711	1.3E-03	1.55E-08	4.38E-08	0.00E+00	5.94E-08	0.06	0.00027	626
630224	4278761	1.2E-03	1.37E-08	3.88E-08	0.00E+00	5.25E-08	0.05	0.00024	627
630224	4278811	1.1E-03	1.23E-08	3.46E-08	0.00E+00	4.68E-08	0.05	0.00021	628
630224	4278861	9.5E-04	1.10E-08	3.10E-08	0.00E+00	4.20E-08	0.04	0.00019	629
630224	4278911	8.6E-04	9.93E-09	2.80E-08	0.00E+00	3.79E-08	0.04	0.00017	630
630274	4278211	9.8E-03	1.13E-07	3.19E-07	0.00E+00	4.32E-07	0.43	0.00196	631
630274	4278261	7.2E-03	8.28E-08	2.34E-07	0.00E+00	3.16E-07	0.32	0.00144	632
630274	4278311	5.5E-03	6.31E-08	1.78E-07	0.00E+00	2.41E-07	0.24	0.00109	633
630274	4278361	4.3E-03	4.96E-08	1.40E-07	0.00E+00	1.90E-07	0.19	0.00086	634
630274	4278411	3.5E-03	4.00E-08	1.13E-07	0.00E+00	1.53E-07	0.15	0.00069	635
630274	4278461	2.9E-03	3.29E-08	9.27E-08	0.00E+00	1.26E-07	0.13	0.00057	636
630274	4278511	2.4E-03	2.75E-08	7.76E-08	0.00E+00	1.05E-07	0.11	0.00048	637
630274	4278561	2.0E-03	2.33E-08	6.58E-08	0.00E+00	8.91E-08	0.09	0.00040	638
630274	4278611	1.7E-03	2.01E-08	5.66E-08	0.00E+00	7.67E-08	0.08	0.00035	639
630274	4278711	1.3E-03	1.53E-08	4.31E-08	0.00E+00	5.84E-08	0.06	0.00027	640
630274	4278761	1.2E-03	1.35E-08	3.81E-08	0.00E+00	5.16E-08	0.05	0.00023	641
630274	4278811	1.0E-03	1.21E-08	3.40E-08	0.00E+00	4.61E-08	0.05	0.00021	642
630274	4278861	9.4E-04	1.08E-08	3.05E-08	0.00E+00	4.13E-08	0.04	0.00019	643
630274	4278911	8.5E-04	9.75E-09	2.75E-08	0.00E+00	3.73E-08	0.04	0.00017	644
630374	4278211	6.0E-03	6.92E-08	1.95E-07	0.00E+00	2.64E-07	0.26	0.00120	645
630374	4278261	4.8E-03	5.55E-08	1.57E-07	0.00E+00	2.12E-07	0.21	0.00096	646
630374	4278311	3.9E-03	4.51E-08	1.27E-07	0.00E+00	1.72E-07	0.17	0.00078	647
630374	4278361	3.2E-03	3.72E-08	1.05E-07	0.00E+00	1.42E-07	0.14	0.00065	648
630374	4278411	2.7E-03	3.12E-08	8.79E-08	0.00E+00	1.19E-07	0.12	0.00054	649
630374	4278461	2.3E-03	2.64E-08	7.45E-08	0.00E+00	1.01E-07	0.10	0.00046	650
630374	4278511	2.0E-03	2.26E-08	6.38E-08	0.00E+00	8.64E-08	0.09	0.00039	651
630374	4278561	1.7E-03	1.96E-08	5.52E-08	0.00E+00	7.48E-08	0.07	0.00034	652
630374	4278611	1.5E-03	1.71E-08	4.82E-08	0.00E+00	6.53E-08	0.07	0.00030	653
630374	4278711	1.2E-03	1.34E-08	3.77E-08	0.00E+00	5.11E-08	0.05	0.00023	654
630374	4278761	1.0E-03	1.19E-08	3.37E-08	0.00E+00	4.56E-08	0.05	0.00021	655
630374	4278811	9.3E-04	1.07E-08	3.03E-08	0.00E+00	4.10E-08	0.04	0.00019	656
630374	4278861	8.4E-04	9.70E-09	2.73E-08	0.00E+00	3.70E-08	0.04	0.00017	657
630374	4278911	7.7E-04	8.83E-09	2.49E-08	0.00E+00	3.37E-08	0.03	0.00015	658
630424	4278211	4.1E-03	4.73E-08	1.33E-07	0.00E+00	1.81E-07	0.18	0.00082	659
630424	4278261	3.5E-03	4.00E-08	1.13E-07	0.00E+00	1.53E-07	0.15	0.00069	660
630424	4278311	3.0E-03	3.41E-08	9.61E-08	0.00E+00	1.30E-07	0.13	0.00059	661
630424	4278361	2.5E-03	2.92E-08	8.24E-08	0.00E+00	1.12E-07	0.11	0.00051	662
630424	4278411	2.2E-03	2.52E-08	7.11E-08	0.00E+00	9.63E-08	0.10	0.00044	663
630424	4278461	1.9E-03	2.19E-08	6.17E-08	0.00E+00	8.36E-08	0.08	0.00038	664
630424	4278511	1.7E-03	1.91E-08	5.40E-08	0.00E+00	7.32E-08	0.07	0.00033	665
630424	4278561	1.5E-03	1.69E-08	4.76E-08	0.00E+00	6.44E-08	0.06	0.00029	666
630424	4278611	1.3E-03	1.49E-08	4.22E-08	0.00E+00	5.71E-08	0.06	0.00026	667
630424	4278711	1.0E-03	1.20E-08	3.37E-08	0.00E+00	4.57E-08	0.05	0.00021	668
630424	4278761	9.4E-04	1.08E-08	3.04E-08	0.00E+00	4.12E-08	0.04	0.00019	669
630424	4278811	8.5E-04	9.78E-09	2.76E-08	0.00E+00	3.74E-08	0.04	0.00017	670
630424	4278861	7.7E-04	8.90E-09	2.51E-08	0.00E+00	3.40E-08	0.03	0.00015	671
630424	4278911	7.1E-04	8.15E-09	2.30E-08	0.00E+00	3.11E-08	0.03	0.00014	672
630474	4278211	2.8E-03	3.25E-08	9.17E-08	0.00E+00	1.24E-07	0.12	0.00056	673
630474	4278261	2.5E-03	2.86E-08	8.06E-08	0.00E+00	1.09E-07	0.11	0.00050	674
630474	4278311	2.2E-03	2.52E-08	7.11E-08	0.00E+00	9.63E-08	0.10	0.00044	675
630474	4278361	1.9E-03	2.23E-08	6.29E-08	0.00E+00	8.52E-08	0.09	0.00039	676
630474	4278411	1.7E-03	1.98E-08	5.58E-08	0.00E+00	7.56E-08	0.08	0.00034	677
630474	4278461	1.5E-03	1.76E-08	4.97E-08	0.00E+00	6.73E-08	0.07	0.00031	678
630474	4278511	1.4E-03	1.58E-08	4.44E-08	0.00E+00	6.02E-08	0.06	0.00027	679
630474	4278561	1.2E-03	1.41E-08	3.99E-08	0.00E+00	5.40E-08	0.05	0.00025	680
630474	4278611	1.1E-03	1.27E-08	3.59E-08	0.00E+00	4.87E-08	0.05	0.00022	681
630474	4278711	9.1E-04	1.05E-08	2.95E-08	0.00E+00	4.00E-08	0.04	0.00018	682
630474	4278761	8.3E-04	9.55E-09	2.69E-08	0.00E+00	3.65E-08	0.04	0.00017	683
630474	4278811	7.6E-04	8.74E-09	2.46E-08	0.00E+00	3.34E-08	0.03	0.00015	684
630474	4278861	6.9E-04	8.01E-09	2.26E-08	0.00E+00	3.06E-08	0.03	0.00014	685
630474	4278911	6.4E-04	7.38E-09	2.08E-08	0.00E+00	2.82E-08	0.03	0.00013	686
630524	4278211	2.0E-03	2.32E-08	6.56E-08	0.00E+00	8.88E-08	0.09	0.00040	687
630524	4278261	1.8E-03	2.09E-08	5.90E-08	0.00E+00	7.99E-08	0.08	0.00036	688
630524	4278311	1.6E-03	1.89E-08	5.32E-08	0.00E+00	7.21E-08	0.07	0.00033	689
630524	4278361	1.5E-03	1.71E-08	4.81E-08	0.00E+00	6.51E-08	0.07	0.00030	690
630524	4278411	1.3E-03	1.55E-08	4.36E-08	0.00E+00	5.91E-08	0.06	0.00027	691
630524	4278461	1.2E-03	1.40E-08	3.96E-08	0.00E+00	5.37E-08	0.05	0.00024	692
630524	4278511	1.1E-03	1.28E-08	3.61E-08	0.00E+00	4.89E-08	0.05	0.00022	693
630524	4278561	1.0E-03	1.17E-08	3.29E-08	0.00E+00	4.46E-08	0.04	0.00020	694
630524	4278611	9.3E-04	1.07E-08	3.01E-08	0.00E+00	4.08E-08	0.04	0.00019	695
630524	4278711	7.8E-04	9.03E-09	2.55E-08	0.00E+00	3.45E-08	0.03	0.00016	696
630524	4278761	7.2E-04	8.33E-09	2.35E-08	0.00E+00	3.18E-08	0.03	0.00014	697
630524	4278811	6.7E-04	7.70E-09	2.17E-08	0.00E+00	2.94E-08	0.03	0.00013	698
630524	4278861	6.2E-04	7.13E-09	2.01E-08	0.00E+00	2.73E-08	0.03	0.00012	699
630524	4278911	5.7E-04	6.62E-09	1.87E-08	0.00E+00	2.53E-08	0.03	0.00011	700
630574	4278211	1.5E-03	1.73E-08	4.89E-08	0.00E+00	6.63E-08	0.07	0.00030	701
630574	4278261	1.4E-03	1.58E-08	4.47E-08	0.00E+00	6.06E-08	0.06	0.00027	702
630574	4278311	1.3E-03	1.45E-08	4.09E-08	0.00E+00	5.53E-08	0.06	0.00025	703
630574	4278361	1.2E-03	1.33E-08	3.74E-08	0.00E+00	5.07E-08	0.05	0.00023	704
630574	4278411	1.1E-03	1.22E-08	3.44E-08	0.00E+00	4.66E-08	0.05	0.00021	705
630574	4278461	9.8E-04	1.13E-08	3.17E-08	0.00E+00	4.30E-08	0.04	0.00020	706

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630574	4278511	9.0E-04	1.04E-08	2.93E-08	0.00E+00	3.97E-08	0.04	0.00018	707
630574	4278561	8.3E-04	9.61E-09	2.71E-08	0.00E+00	3.67E-08	0.04	0.00017	708
630574	4278611	7.7E-04	8.93E-09	2.52E-08	0.00E+00	3.41E-08	0.03	0.00015	709
630574	4278711	6.7E-04	7.70E-09	2.17E-08	0.00E+00	2.94E-08	0.03	0.00013	710
630574	4278761	6.2E-04	7.18E-09	2.02E-08	0.00E+00	2.74E-08	0.03	0.00012	711
630574	4278811	5.8E-04	6.72E-09	1.90E-08	0.00E+00	2.57E-08	0.03	0.00012	712
630574	4278861	5.5E-04	6.29E-09	1.77E-08	0.00E+00	2.40E-08	0.02	0.00011	713
630574	4278911	5.1E-04	5.88E-09	1.66E-08	0.00E+00	2.25E-08	0.02	0.00010	714
630624	4278211	1.2E-03	1.34E-08	3.77E-08	0.00E+00	5.10E-08	0.05	0.00023	715
630624	4278261	1.1E-03	1.24E-08	3.49E-08	0.00E+00	4.73E-08	0.05	0.00021	716
630624	4278311	9.9E-04	1.14E-08	3.23E-08	0.00E+00	4.37E-08	0.04	0.00020	717
630624	4278361	9.2E-04	1.06E-08	2.98E-08	0.00E+00	4.04E-08	0.04	0.00018	718
630624	4278411	8.5E-04	9.82E-09	2.77E-08	0.00E+00	3.75E-08	0.04	0.00017	719
630624	4278461	7.9E-04	9.14E-09	2.58E-08	0.00E+00	3.49E-08	0.03	0.00016	720
630624	4278511	7.4E-04	8.53E-09	2.40E-08	0.00E+00	3.26E-08	0.03	0.00015	721
630624	4278561	6.9E-04	7.98E-09	2.25E-08	0.00E+00	3.05E-08	0.03	0.00014	722
630624	4278611	6.5E-04	7.47E-09	2.11E-08	0.00E+00	2.86E-08	0.03	0.00013	723
630624	4278711	5.7E-04	6.57E-09	1.85E-08	0.00E+00	2.51E-08	0.03	0.00011	724
630624	4278761	5.4E-04	6.18E-09	1.74E-08	0.00E+00	2.36E-08	0.02	0.00011	725
630624	4278811	5.1E-04	5.84E-09	1.65E-08	0.00E+00	2.23E-08	0.02	0.00010	726
630624	4278861	4.8E-04	5.52E-09	1.56E-08	0.00E+00	2.11E-08	0.02	0.00010	727
630624	4278911	4.5E-04	5.20E-09	1.47E-08	0.00E+00	1.99E-08	0.02	0.00009	728
630674	4278211	9.2E-04	1.06E-08	2.98E-08	0.00E+00	4.03E-08	0.04	0.00018	729
630674	4278261	8.6E-04	9.91E-09	2.80E-08	0.00E+00	3.79E-08	0.04	0.00017	730
630674	4278311	8.0E-04	9.27E-09	2.61E-08	0.00E+00	3.54E-08	0.04	0.00016	731
630674	4278361	7.5E-04	8.65E-09	2.44E-08	0.00E+00	3.30E-08	0.03	0.00015	732
630674	4278411	7.0E-04	8.08E-09	2.28E-08	0.00E+00	3.09E-08	0.03	0.00014	733
630674	4278461	6.6E-04	7.56E-09	2.13E-08	0.00E+00	2.89E-08	0.03	0.00013	734
630674	4278511	6.2E-04	7.10E-09	2.00E-08	0.00E+00	2.71E-08	0.03	0.00012	735
630674	4278561	5.8E-04	6.68E-09	1.88E-08	0.00E+00	2.55E-08	0.03	0.00012	736
630674	4278611	5.5E-04	6.31E-09	1.78E-08	0.00E+00	2.41E-08	0.02	0.00011	737
630674	4278711	4.9E-04	5.65E-09	1.59E-08	0.00E+00	2.16E-08	0.02	0.00010	738
630674	4278761	4.6E-04	5.35E-09	1.51E-08	0.00E+00	2.04E-08	0.02	0.00009	739
630674	4278811	4.4E-04	5.09E-09	1.43E-08	0.00E+00	1.94E-08	0.02	0.00009	740
630674	4278861	4.2E-04	4.83E-09	1.36E-08	0.00E+00	1.84E-08	0.02	0.00008	741
630674	4278911	4.0E-04	4.58E-09	1.29E-08	0.00E+00	1.75E-08	0.02	0.00008	742
630724	4278211	7.4E-04	8.53E-09	2.41E-08	0.00E+00	3.26E-08	0.03	0.00015	743
630724	4278261	7.0E-04	8.09E-09	2.28E-08	0.00E+00	3.09E-08	0.03	0.00014	744
630724	4278311	6.6E-04	7.65E-09	2.16E-08	0.00E+00	2.92E-08	0.03	0.00013	745
630724	4278361	6.2E-04	7.20E-09	2.03E-08	0.00E+00	2.75E-08	0.03	0.00012	746
630724	4278411	5.9E-04	6.77E-09	1.91E-08	0.00E+00	2.59E-08	0.03	0.00012	747
630724	4278461	5.5E-04	6.37E-09	1.80E-08	0.00E+00	2.43E-08	0.02	0.00011	748
630724	4278511	5.2E-04	6.00E-09	1.69E-08	0.00E+00	2.29E-08	0.02	0.00010	749
630724	4278561	4.9E-04	5.68E-09	1.60E-08	0.00E+00	2.17E-08	0.02	0.00010	750
630724	4278611	4.7E-04	5.39E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.00009	751
630724	4278711	4.2E-04	4.87E-09	1.37E-08	0.00E+00	1.86E-08	0.02	0.00008	752
630724	4278761	4.0E-04	4.65E-09	1.31E-08	0.00E+00	1.78E-08	0.02	0.00008	753
630724	4278811	3.8E-04	4.44E-09	1.25E-08	0.00E+00	1.70E-08	0.02	0.00008	754
630724	4278861	3.7E-04	4.23E-09	1.19E-08	0.00E+00	1.62E-08	0.02	0.00007	755
630724	4278911	3.5E-04	4.04E-09	1.14E-08	0.00E+00	1.55E-08	0.02	0.00007	756
630774	4278211	6.1E-04	7.04E-09	1.98E-08	0.00E+00	2.69E-08	0.03	0.00012	757
630774	4278261	5.8E-04	6.73E-09	1.90E-08	0.00E+00	2.57E-08	0.03	0.00012	758
630774	4278311	5.6E-04	6.41E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.00011	759
630774	4278361	5.3E-04	6.09E-09	1.72E-08	0.00E+00	2.33E-08	0.02	0.00011	760
630774	4278411	5.0E-04	5.77E-09	1.63E-08	0.00E+00	2.20E-08	0.02	0.00010	761
630774	4278461	4.7E-04	5.46E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.00009	762
630774	4278511	4.5E-04	5.16E-09	1.46E-08	0.00E+00	1.97E-08	0.02	0.00009	763
630774	4278561	4.3E-04	4.90E-09	1.38E-08	0.00E+00	1.87E-08	0.02	0.00009	764
630774	4278611	4.0E-04	4.66E-09	1.31E-08	0.00E+00	1.78E-08	0.02	0.00008	765
630774	4278711	3.7E-04	4.23E-09	1.19E-08	0.00E+00	1.62E-08	0.02	0.00007	766
630774	4278761	3.5E-04	4.05E-09	1.14E-08	0.00E+00	1.55E-08	0.02	0.00007	767
630774	4278811	3.4E-04	3.89E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	768
630774	4278861	3.2E-04	3.73E-09	1.05E-08	0.00E+00	1.43E-08	0.01	0.00006	769
630774	4278911	3.1E-04	3.58E-09	1.01E-08	0.00E+00	1.37E-08	0.01	0.00006	770
630824	4278211	5.1E-04	5.91E-09	1.67E-08	0.00E+00	2.26E-08	0.02	0.00010	771
630824	4278261	4.9E-04	5.68E-09	1.60E-08	0.00E+00	2.17E-08	0.02	0.00010	772
630824	4278311	4.7E-04	5.45E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.00009	773
630824	4278361	4.5E-04	5.21E-09	1.47E-08	0.00E+00	1.99E-08	0.02	0.00009	774
630824	4278411	4.3E-04	4.97E-09	1.40E-08	0.00E+00	1.90E-08	0.02	0.00009	775
630824	4278461	4.1E-04	4.73E-09	1.34E-08	0.00E+00	1.81E-08	0.02	0.00008	776
630824	4278511	3.9E-04	4.50E-09	1.27E-08	0.00E+00	1.72E-08	0.02	0.00008	777
630824	4278561	3.7E-04	4.28E-09	1.21E-08	0.00E+00	1.64E-08	0.02	0.00007	778
630824	4278611	3.5E-04	4.08E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.00007	779
630824	4278711	3.2E-04	3.73E-09	1.05E-08	0.00E+00	1.43E-08	0.01	0.00006	780
630824	4278761	3.1E-04	3.58E-09	1.01E-08	0.00E+00	1.37E-08	0.01	0.00006	781
630824	4278811	3.0E-04	3.45E-09	9.72E-09	0.00E+00	1.32E-08	0.01	0.00006	782
630824	4278861	2.9E-04	3.31E-09	9.34E-09	0.00E+00	1.27E-08	0.01	0.00006	783
630824	4278911	2.8E-04	3.19E-09	9.00E-09	0.00E+00	1.22E-08	0.01	0.00006	784
630874	4278211	4.4E-04	5.04E-09	1.42E-08	0.00E+00	1.93E-08	0.02	0.00009	785
630874	4278261	4.2E-04	4.86E-09	1.37E-08	0.00E+00	1.86E-08	0.02	0.00008	786
630874	4278311	4.1E-04	4.68E-09	1.32E-08	0.00E+00	1.79E-08	0.02	0.00008	787
630874	4278361	3.9E-04	4.51E-09	1.27E-08	0.00E+00	1.72E-08	0.02	0.00008	788
630874	4278411	3.8E-04	4.33E-09	1.22E-08	0.00E+00	1.65E-08	0.02	0.00008	789
630874	4278461	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.58E-08	0.02	0.00007	790
630874	4278511	3.4E-04	3.96E-09	1.12E-08	0.00E+00	1.51E-08	0.02	0.00007	791
630874	4278561	3.3E-04	3.79E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.00007	792
630874	4278611	3.1E-04	3.62E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.00006	793
630874	4278711	2.9E-04	3.32E-09	9.36E-09	0.00E+00	1.27E-08	0.01	0.00006	794
630874	4278761	2.8E-04	3.19E-09	9.00E-09	0.00E+00	1.22E-08	0.01	0.00006	795
630874	4278811	2.7E-04	3.07E-09	8.66E-09	0.00E+00	1.17E-08	0.01	0.00005	796
630874	4278861	2.6E-04	2.96E-09	8.35E-09	0.00E+00	1.13E-08	0.01	0.00005	797
630874	4278911	2.5E-04	2.86E-09	8.07E-09	0.00E+00	1.09E-08	0.01	0.00005	798
630924	4278211	3.8E-04	4.36E-09	1.23E-08	0.00E+00	1.67E-08	0.02	0.00008	799
630924	4278261	3.7E-04	4.21E-09	1.19E-08	0.00E+00	1.61E-08	0.02	0.00007	800
630924	4278311	3.5E-04	4.07E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.00007	801
630924	4278361	3.4E-04	3.94E-09	1.11E-08	0.00E+00	1.50E-08	0.02	0.00007	802
630924	4278411	3.3E-04	3.80E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.00007	803
630924	4278461	3.2E-04	3.66E-09	1.03E-08	0.00E+00	1.40E-08	0.01	0.00006	804
630924	4278511	3.0E-04	3.51E-09	9.90E-09	0.00E+00	1.34E-08	0.01	0.00006	805
630924	4278561	2.9E-04	3.37E-09	9.51E-09	0.00E+00	1.29E-08	0.01	0.00006	806
630924	4278611	2.8E-04	3.23E-09	9.12E-09	0.00E+00	1.24E-08	0.01	0.00006	807
630924	4278711	2.6E-04	2.98E-09	8.40E-09	0.00E+00	1.14E-08	0.01	0.00005	808
630924	4278761	2.5E-04	2.86E-09	8.08E-09	0.00E+00	1.09E-08	0.01	0.00005	809
630924	4278811	2.4E-04	2.76E-09	7.79E-09	0.00E+00	1.06E-08	0.01	0.00005	810
630924	4278861	2.3E-04	2.67E-09	7.52E-09	0.00E+00	1.02E-08	0.01	0.00005	811
630924	4278911	2.2E-04	2.58E-09	7.28E-09	0.00E+00	9.86E-09	0.01	0.00004	812
630974	4278211	3.3E-04	3.82E-09	1.08E-08	0.00E+00	1.46E-08	0.01	0.00007	813
630974	4278261	3.2E-04	3.70E-09	1.04E-08	0.00E+00	1.41E-08	0.01	0.00006	814
630974	4278311	3.1E-04	3.58E-09	1.01E-08	0.00E+00	1.37E-08	0.01	0.00006	815
630974	4278361	3.0E-04	3.47E-09	9.78E-09	0.00E+00	1.33E-08	0.01	0.00006	816
630974	4278411	2.9E-04	3.37E-09	9.49E-09	0.00E+00	1.29E-08	0.01	0.00006	817
630974	4278461	2.8E-04	3.26E-09	9.19E-09	0.00E+00	1.25E-08	0.01	0.00006	818
630974	4278511	2.7E-04	3.14E-09	8.86E-09	0.00E+00	1.20E-08	0.01	0.00005	819
630974	4278561	2.6E-04	3.03E-09	8.55E-09	0.00E+00	1.16E-08	0.01	0.00005	820
630974	4278611	2.5E-04	2.92E-09	8.23E-09	0.00E+00	1.11E-08	0.01	0.00005	821
630974	4278711	2.3E-04	2.70E-09	7.60E-09	0.00E+00	1.03E-08	0.01	0.00005	822
630974	4278761	2.3E-04	2.60E-09	7.32E-09	0.00E+00	9.92E-09	0.01	0.00005	823
630974	4278811	2.2E-04	2.51E-09	7.07E-09	0.00E+00	9.57E-09	0.01	0.00004	824
630974	4278861	2.1E-04	2.42E-09	6.83E-09	0.00E+00	9.25E-09	0.01	0.00004	825
630974	4278911	2.0E-04	2.34E-09	6.61E-09	0.00E+00	8.96E-09	0.01	0.00004	826
631024	4278211	2.9E-04	3.37E-09	9.52E-09	0.00E+00	1.29E-08	0.01	0.00006	827
631024	4278261	2.8E-04	3.28E-09	9.24E-09	0.00E+00	1.25E-08	0.01	0.00006	828
631024	4278311	2.8E-04	3.18E-09	8.96E-09	0.00E+00	1.21E-08	0.01	0.00006	829
631024	4278361	2.7E-04	3.08E-09	8.68E-09	0.00E+00	1.18E-08	0.01	0.00005	830

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
631024	4278411	2.6E-04	3.00E-09	8.46E-09	0.00E+00	1.15E-08	0.01	0.00005	831
631024	4278461	2.5E-04	2.92E-09	8.23E-09	0.00E+00	1.11E-08	0.01	0.00005	832
631024	4278511	2.5E-04	2.83E-09	7.97E-09	0.00E+00	1.08E-08	0.01	0.00005	833
631024	4278561	2.4E-04	2.74E-09	7.73E-09	0.00E+00	1.05E-08	0.01	0.00005	834
631024	4278611	2.3E-04	2.64E-09	7.46E-09	0.00E+00	1.01E-08	0.01	0.00005	835
631024	4278711	2.1E-04	2.46E-09	6.94E-09	0.00E+00	9.40E-09	0.01	0.00004	836
631024	4278761	2.1E-04	2.37E-09	6.69E-09	0.00E+00	9.07E-09	0.01	0.00004	837
631024	4278811	2.0E-04	2.29E-09	6.46E-09	0.00E+00	8.76E-09	0.01	0.00004	838
631024	4278861	1.9E-04	2.22E-09	6.25E-09	0.00E+00	8.47E-09	0.01	0.00004	839
631024	4278911	1.9E-04	2.15E-09	6.06E-09	0.00E+00	8.20E-09	0.01	0.00004	840
631074	4278211	2.6E-04	3.01E-09	8.48E-09	0.00E+00	1.15E-08	0.01	0.00005	841
631074	4278261	2.5E-04	2.93E-09	8.26E-09	0.00E+00	1.12E-08	0.01	0.00005	842
631074	4278311	2.5E-04	2.84E-09	8.02E-09	0.00E+00	1.09E-08	0.01	0.00005	843
631074	4278361	2.4E-04	2.76E-09	7.78E-09	0.00E+00	1.05E-08	0.01	0.00005	844
631074	4278411	2.3E-04	2.69E-09	7.57E-09	0.00E+00	1.03E-08	0.01	0.00005	845
631074	4278461	2.3E-04	2.62E-09	7.40E-09	0.00E+00	1.00E-08	0.01	0.00005	846
631074	4278511	2.2E-04	2.55E-09	7.21E-09	0.00E+00	9.76E-09	0.01	0.00004	847
631074	4278561	2.2E-04	2.49E-09	7.02E-09	0.00E+00	9.51E-09	0.01	0.00004	848
631074	4278611	2.1E-04	2.41E-09	6.80E-09	0.00E+00	9.21E-09	0.01	0.00004	849
631074	4278711	2.0E-04	2.26E-09	6.36E-09	0.00E+00	8.62E-09	0.01	0.00004	850
631074	4278761	1.9E-04	2.18E-09	6.15E-09	0.00E+00	8.33E-09	0.01	0.00004	851
631074	4278811	1.8E-04	2.11E-09	5.95E-09	0.00E+00	8.06E-09	0.01	0.00004	852
631074	4278861	1.8E-04	2.04E-09	5.76E-09	0.00E+00	7.81E-09	0.01	0.00004	853
631074	4278911	1.7E-04	1.98E-09	5.58E-09	0.00E+00	7.56E-09	0.01	0.00003	854
631124	4278211	2.3E-04	2.70E-09	7.62E-09	0.00E+00	1.03E-08	0.01	0.00005	855
631124	4278261	2.3E-04	2.64E-09	7.43E-09	0.00E+00	1.01E-08	0.01	0.00005	856
631124	4278311	2.2E-04	2.57E-09	7.24E-09	0.00E+00	9.81E-09	0.01	0.00004	857
631124	4278361	2.2E-04	2.50E-09	7.04E-09	0.00E+00	9.53E-09	0.01	0.00004	858
631124	4278411	2.1E-04	2.43E-09	6.86E-09	0.00E+00	9.29E-09	0.01	0.00004	859
631124	4278461	2.1E-04	2.38E-09	6.71E-09	0.00E+00	9.08E-09	0.01	0.00004	860
631124	4278511	2.0E-04	2.32E-09	6.55E-09	0.00E+00	8.87E-09	0.01	0.00004	861
631124	4278561	2.0E-04	2.27E-09	6.39E-09	0.00E+00	8.65E-09	0.01	0.00004	862
631124	4278611	1.9E-04	2.21E-09	6.22E-09	0.00E+00	8.43E-09	0.01	0.00004	863
631124	4278711	1.8E-04	2.08E-09	5.87E-09	0.00E+00	7.95E-09	0.01	0.00004	864
631124	4278761	1.7E-04	2.02E-09	5.68E-09	0.00E+00	7.70E-09	0.01	0.00003	865
631124	4278811	1.7E-04	1.95E-09	5.50E-09	0.00E+00	7.46E-09	0.01	0.00003	866
631124	4278861	1.6E-04	1.89E-09	5.33E-09	0.00E+00	7.22E-09	0.01	0.00003	867
631124	4278911	1.6E-04	1.83E-09	5.17E-09	0.00E+00	7.00E-09	0.01	0.00003	868
631174	4278211	2.1E-04	2.44E-09	6.90E-09	0.00E+00	9.34E-09	0.01	0.00004	869
631174	4278261	2.1E-04	2.39E-09	6.75E-09	0.00E+00	9.14E-09	0.01	0.00004	870
631174	4278311	2.0E-04	2.33E-09	6.58E-09	0.00E+00	8.91E-09	0.01	0.00004	871
631174	4278361	2.0E-04	2.27E-09	6.40E-09	0.00E+00	8.67E-09	0.01	0.00004	872
631174	4278411	1.9E-04	2.21E-09	6.24E-09	0.00E+00	8.46E-09	0.01	0.00004	873
631174	4278461	1.9E-04	2.16E-09	6.11E-09	0.00E+00	8.27E-09	0.01	0.00004	874
631174	4278511	1.8E-04	2.12E-09	5.98E-09	0.00E+00	8.10E-09	0.01	0.00004	875
631174	4278561	1.8E-04	2.07E-09	5.85E-09	0.00E+00	7.92E-09	0.01	0.00004	876
631174	4278611	1.8E-04	2.03E-09	5.71E-09	0.00E+00	7.74E-09	0.01	0.00004	877
631174	4278711	1.7E-04	1.92E-09	5.42E-09	0.00E+00	7.34E-09	0.01	0.00003	878
631174	4278761	1.6E-04	1.87E-09	5.28E-09	0.00E+00	7.15E-09	0.01	0.00003	879
631174	4278811	1.6E-04	1.82E-09	5.13E-09	0.00E+00	6.94E-09	0.01	0.00003	880
631174	4278861	1.5E-04	1.76E-09	4.97E-09	0.00E+00	6.73E-09	0.01	0.00003	881
631174	4278911	1.5E-04	1.71E-09	4.82E-09	0.00E+00	6.52E-09	0.01	0.00003	882
631224	4278211	1.9E-04	2.22E-09	6.26E-09	0.00E+00	8.49E-09	0.01	0.00004	883
631224	4278261	1.9E-04	2.18E-09	6.15E-09	0.00E+00	8.33E-09	0.01	0.00004	884
631224	4278311	1.9E-04	2.13E-09	6.02E-09	0.00E+00	8.15E-09	0.01	0.00004	885
631224	4278361	1.8E-04	2.08E-09	5.86E-09	0.00E+00	7.94E-09	0.01	0.00004	886
631224	4278411	1.8E-04	2.03E-09	5.73E-09	0.00E+00	7.76E-09	0.01	0.00004	887
631224	4278461	1.7E-04	1.99E-09	5.60E-09	0.00E+00	7.59E-09	0.01	0.00003	888
631224	4278511	1.7E-04	1.95E-09	5.49E-09	0.00E+00	7.44E-09	0.01	0.00003	889
631224	4278561	1.7E-04	1.91E-09	5.37E-09	0.00E+00	7.28E-09	0.01	0.00003	890
631224	4278611	1.6E-04	1.87E-09	5.27E-09	0.00E+00	7.13E-09	0.01	0.00003	891
631224	4278711	1.5E-04	1.78E-09	5.03E-09	0.00E+00	6.82E-09	0.01	0.00003	892
631224	4278761	1.5E-04	1.74E-09	4.90E-09	0.00E+00	6.64E-09	0.01	0.00003	893
631224	4278811	1.5E-04	1.69E-09	4.77E-09	0.00E+00	6.47E-09	0.01	0.00003	894
631224	4278861	1.4E-04	1.65E-09	4.64E-09	0.00E+00	6.29E-09	0.01	0.00003	895
631224	4278911	1.4E-04	1.60E-09	4.51E-09	0.00E+00	6.11E-09	0.01	0.00003	896
631274	4278311	1.7E-04	1.96E-09	5.53E-09	0.00E+00	7.49E-09	0.01	0.00003	897
631274	4278361	1.7E-04	1.91E-09	5.40E-09	0.00E+00	7.31E-09	0.01	0.00003	898
631274	4278411	1.6E-04	1.87E-09	5.27E-09	0.00E+00	7.14E-09	0.01	0.00003	899
631274	4278461	1.6E-04	1.83E-09	5.16E-09	0.00E+00	6.99E-09	0.01	0.00003	900
631274	4278511	1.6E-04	1.79E-09	5.06E-09	0.00E+00	6.85E-09	0.01	0.00003	901
631274	4278561	1.5E-04	1.76E-09	4.96E-09	0.00E+00	6.72E-09	0.01	0.00003	902
631274	4278611	1.5E-04	1.73E-09	4.87E-09	0.00E+00	6.59E-09	0.01	0.00003	903
631274	4278661	1.5E-04	1.70E-09	4.79E-09	0.00E+00	6.49E-09	0.01	0.00003	904
631274	4278711	1.4E-04	1.66E-09	4.68E-09	0.00E+00	6.34E-09	0.01	0.00003	905
631274	4278761	1.4E-04	1.62E-09	4.57E-09	0.00E+00	6.20E-09	0.01	0.00003	906
631274	4278811	1.4E-04	1.58E-09	4.47E-09	0.00E+00	6.05E-09	0.01	0.00003	907
631274	4278861	1.3E-04	1.54E-09	4.35E-09	0.00E+00	5.89E-09	0.01	0.00003	908
631274	4278911	1.3E-04	1.50E-09	4.23E-09	0.00E+00	5.73E-09	0.01	0.00003	909
630574	4278161	1.6E-03	1.89E-08	5.33E-08	0.00E+00	7.22E-08	0.07	0.00033	910
630574	4278111	1.8E-03	2.04E-08	5.76E-08	0.00E+00	7.80E-08	0.08	0.00035	911
630574	4278061	1.9E-03	2.17E-08	6.13E-08	0.00E+00	8.30E-08	0.08	0.00038	912
630574	4278011	2.0E-03	2.29E-08	6.45E-08	0.00E+00	8.74E-08	0.09	0.00040	913
630574	4277511	3.1E-03	3.56E-08	1.00E-07	0.00E+00	1.36E-07	0.14	0.00062	914
630574	4277461	2.9E-03	3.29E-08	9.27E-08	0.00E+00	1.26E-07	0.13	0.00057	915
630574	4277411	2.6E-03	2.96E-08	8.36E-08	0.00E+00	1.13E-07	0.11	0.00051	916
630574	4277311	2.0E-03	2.32E-08	6.55E-08	0.00E+00	8.87E-08	0.09	0.00040	917
630574	4277161	1.3E-03	1.51E-08	4.26E-08	0.00E+00	5.77E-08	0.06	0.00026	918
630574	4277111	1.1E-03	1.31E-08	3.71E-08	0.00E+00	5.02E-08	0.05	0.00023	919
630574	4276961	8.1E-04	9.28E-09	2.62E-08	0.00E+00	3.55E-08	0.04	0.00016	920
630574	4276911	7.2E-04	8.25E-09	2.33E-08	0.00E+00	3.15E-08	0.03	0.00014	921
630624	4278161	1.2E-03	1.43E-08	4.04E-08	0.00E+00	5.47E-08	0.05	0.00025	922
630624	4278111	1.3E-03	1.52E-08	4.30E-08	0.00E+00	5.82E-08	0.06	0.00026	923
630624	4278061	1.4E-03	1.61E-08	4.54E-08	0.00E+00	6.15E-08	0.06	0.00028	924
630624	4278011	1.4E-03	1.67E-08	4.70E-08	0.00E+00	6.36E-08	0.06	0.00029	925
630624	4277961	1.5E-03	1.69E-08	4.76E-08	0.00E+00	6.45E-08	0.06	0.00029	926
630624	4277911	1.4E-03	1.67E-08	4.70E-08	0.00E+00	6.36E-08	0.06	0.00029	927
630624	4277811	1.5E-03	1.78E-08	5.03E-08	0.00E+00	6.82E-08	0.07	0.00031	928
630624	4277761	1.7E-03	2.00E-08	5.65E-08	0.00E+00	7.66E-08	0.08	0.00035	929
630624	4277711	2.0E-03	2.28E-08	6.44E-08	0.00E+00	8.72E-08	0.09	0.00040	930
630624	4277661	2.2E-03	2.54E-08	7.17E-08	0.00E+00	9.71E-08	0.10	0.00044	931
630624	4277561	2.4E-03	2.80E-08	7.91E-08	0.00E+00	1.07E-07	0.11	0.00049	932
630624	4277511	2.4E-03	2.78E-08	7.84E-08	0.00E+00	1.06E-07	0.11	0.00048	933
630624	4277461	2.3E-03	2.69E-08	7.58E-08	0.00E+00	1.03E-07	0.10	0.00047	934
630624	4277411	2.2E-03	2.53E-08	7.12E-08	0.00E+00	9.65E-08	0.10	0.00044	935
630624	4277311	1.8E-03	2.13E-08	6.00E-08	0.00E+00	8.13E-08	0.08	0.00037	936
630624	4277211	1.5E-03	1.72E-08	4.86E-08	0.00E+00	6.58E-08	0.07	0.00030	937
630624	4276911	7.6E-04	8.71E-09	2.46E-08	0.00E+00	3.33E-08	0.03	0.00015	938
630674	4278161	9.7E-04	1.12E-08	3.15E-08	0.00E+00	4.27E-08	0.04	0.00019	939
630674	4278111	1.0E-03	1.17E-08	3.31E-08	0.00E+00	4.49E-08	0.04	0.00020	940
630674	4278061	1.1E-03	1.22E-08	3.45E-08	0.00E+00	4.68E-08	0.05	0.00021	941
630674	4278011	1.1E-03	1.26E-08	3.56E-08	0.00E+00	4.82E-08	0.05	0.00022	942
630674	4277961	1.1E-03	1.27E-08	3.57E-08	0.00E+00	4.84E-08	0.05	0.00022	943
630674	4277911	1.1E-03	1.25E-08	3.51E-08	0.00E+00	4.76E-08	0.05	0.00022	944
630674	4277861	1.1E-03	1.25E-08	3.51E-08	0.00E+00	4.76E-08	0.05	0.00022	945
630674	4277811	1.1E-03	1.31E-08	3.69E-08	0.00E+00	5.00E-08	0.05	0.00023	946
630674	4277761	1.3E-03	1.44E-08	4.07E-08	0.00E+00	5.51E-08	0.06	0.00025	947
630674	4277711	1.4E-03	1.63E-08	4.59E-08	0.00E+00	6.21E-08	0.06	0.00028	948
630674	4277661	1.6E-03	1.82E-08	5.14E-08	0.00E+00	6.96E-08	0.07	0.00032	949
630674	4277561	1.8E-03	2.11E-08	5.94E-08	0.00E+00	8.05E-08	0.08	0.00037	950
630674	4277511	1.9E-03	2.16E-08	6.08E-08	0.00E+00	8.24E-08	0.08	0.00037	951
630674	4277461	1.9E-03	2.15E-08	6.07E-08	0.00E+00	8.22E-08	0.08	0.00037	952
630674	4277411	1.8E-03	2.09E-08	5.90E-08	0.00E+00	7.99E-08	0.08	0.00036	953
630674	4277211	1.4E-03	1.61E-08	4.55E-08	0.00E+00	6.16E-08	0.06	0.00028	954

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630674	4277161	1.3E-03	1.47E-08	4.16E-08	0.00E+00	5.63E-08	0.06	0.00026	955
630674	4277111	1.2E-03	1.34E-08	3.78E-08	0.00E+00	5.12E-08	0.05	0.00023	956
630674	4277061	1.1E-03	1.21E-08	3.42E-08	0.00E+00	4.63E-08	0.05	0.00021	957
630674	4277011	9.5E-04	1.10E-08	3.09E-08	0.00E+00	4.18E-08	0.04	0.00019	958
630724	4278161	7.8E-04	8.97E-09	2.53E-08	0.00E+00	3.43E-08	0.03	0.00016	959
630724	4278111	8.1E-04	9.38E-09	2.65E-08	0.00E+00	3.58E-08	0.04	0.00016	960
630724	4278061	8.4E-04	9.70E-09	2.74E-08	0.00E+00	3.71E-08	0.04	0.00017	961
630724	4278011	8.6E-04	9.87E-09	2.78E-08	0.00E+00	3.77E-08	0.04	0.00017	962
630724	4277961	8.5E-04	9.84E-09	2.78E-08	0.00E+00	3.76E-08	0.04	0.00017	963
630724	4277911	8.4E-04	9.65E-09	2.72E-08	0.00E+00	3.69E-08	0.04	0.00017	964
630724	4277861	8.3E-04	9.61E-09	2.71E-08	0.00E+00	3.67E-08	0.04	0.00017	965
630724	4277811	8.7E-04	1.00E-08	2.82E-08	0.00E+00	3.82E-08	0.04	0.00017	966
630724	4277761	9.4E-04	1.09E-08	3.06E-08	0.00E+00	4.15E-08	0.04	0.00019	967
630724	4277711	1.0E-03	1.21E-08	3.41E-08	0.00E+00	4.62E-08	0.05	0.00021	968
630724	4277661	1.2E-03	1.35E-08	3.81E-08	0.00E+00	5.16E-08	0.05	0.00023	969
630724	4277611	1.3E-03	1.49E-08	4.20E-08	0.00E+00	5.69E-08	0.06	0.00026	970
630724	4277561	1.4E-03	1.60E-08	4.52E-08	0.00E+00	6.13E-08	0.06	0.00028	971
630724	4277511	1.5E-03	1.68E-08	4.75E-08	0.00E+00	6.43E-08	0.06	0.00029	972
630724	4277461	1.5E-03	1.72E-08	4.86E-08	0.00E+00	6.58E-08	0.07	0.00030	973
630724	4277411	1.5E-03	1.72E-08	4.84E-08	0.00E+00	6.56E-08	0.07	0.00030	974
630724	4277261	1.3E-03	1.56E-08	4.39E-08	0.00E+00	5.94E-08	0.06	0.00027	975
630724	4277211	1.3E-03	1.47E-08	4.13E-08	0.00E+00	5.60E-08	0.06	0.00025	976
630724	4277161	1.2E-03	1.37E-08	3.86E-08	0.00E+00	5.23E-08	0.05	0.00024	977
630724	4277111	1.1E-03	1.27E-08	3.58E-08	0.00E+00	4.85E-08	0.05	0.00022	978
630724	4277061	1.0E-03	1.17E-08	3.30E-08	0.00E+00	4.47E-08	0.04	0.00020	979
630724	4277011	9.3E-04	1.08E-08	3.03E-08	0.00E+00	4.11E-08	0.04	0.00019	980
630724	4276961	8.6E-04	9.86E-09	2.78E-08	0.00E+00	3.77E-08	0.04	0.00017	981
630774	4278161	6.4E-04	7.36E-09	2.07E-08	0.00E+00	2.81E-08	0.03	0.00013	982
630774	4278111	6.6E-04	7.66E-09	2.16E-08	0.00E+00	2.92E-08	0.03	0.00013	983
630774	4278061	6.8E-04	7.86E-09	2.22E-08	0.00E+00	3.00E-08	0.03	0.00014	984
630774	4278011	6.9E-04	7.94E-09	2.24E-08	0.00E+00	3.03E-08	0.03	0.00014	985
630774	4277961	6.8E-04	7.86E-09	2.22E-08	0.00E+00	3.00E-08	0.03	0.00014	986
630774	4277911	6.7E-04	7.69E-09	2.17E-08	0.00E+00	2.94E-08	0.03	0.00013	987
630774	4277861	6.6E-04	7.64E-09	2.16E-08	0.00E+00	2.92E-08	0.03	0.00013	988
630774	4277761	7.3E-04	8.47E-09	2.39E-08	0.00E+00	3.24E-08	0.03	0.00015	989
630774	4277711	8.1E-04	9.32E-09	2.63E-08	0.00E+00	3.56E-08	0.04	0.00016	990
630774	4277611	9.9E-04	1.14E-08	3.22E-08	0.00E+00	4.36E-08	0.04	0.00020	991
630774	4277561	1.1E-03	1.24E-08	3.50E-08	0.00E+00	4.74E-08	0.05	0.00022	992
630774	4277511	1.1E-03	1.32E-08	3.73E-08	0.00E+00	5.05E-08	0.05	0.00023	993
630774	4277461	1.2E-03	1.38E-08	3.89E-08	0.00E+00	5.27E-08	0.05	0.00024	994
630774	4277311	1.2E-03	1.39E-08	3.93E-08	0.00E+00	5.32E-08	0.05	0.00024	995
630774	4277261	1.2E-03	1.36E-08	3.83E-08	0.00E+00	5.19E-08	0.05	0.00024	996
630774	4277211	1.1E-03	1.31E-08	3.68E-08	0.00E+00	4.99E-08	0.05	0.00023	997
630774	4277161	1.1E-03	1.24E-08	3.51E-08	0.00E+00	4.75E-08	0.05	0.00022	998
630774	4277111	1.0E-03	1.17E-08	3.31E-08	0.00E+00	4.49E-08	0.04	0.00020	999
630774	4277061	9.6E-04	1.10E-08	3.11E-08	0.00E+00	4.21E-08	0.04	0.00019	1000
630774	4277011	8.9E-04	1.03E-08	2.90E-08	0.00E+00	3.93E-08	0.04	0.00018	1001
630774	4276961	8.3E-04	9.58E-09	2.70E-08	0.00E+00	3.66E-08	0.04	0.00017	1002
630774	4276911	7.7E-04	8.88E-09	2.50E-08	0.00E+00	3.39E-08	0.03	0.00015	1003
630824	4278161	5.3E-04	6.15E-09	1.73E-08	0.00E+00	2.35E-08	0.02	0.00011	1004
630824	4278111	5.5E-04	6.36E-09	1.79E-08	0.00E+00	2.43E-08	0.02	0.00011	1005
630824	4278061	5.6E-04	6.48E-09	1.83E-08	0.00E+00	2.47E-08	0.02	0.00011	1006
630824	4278011	5.7E-04	6.51E-09	1.84E-08	0.00E+00	2.49E-08	0.02	0.00011	1007
630824	4277961	5.6E-04	6.42E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.00011	1008
630824	4277911	5.4E-04	6.28E-09	1.77E-08	0.00E+00	2.40E-08	0.02	0.00011	1009
630824	4277861	5.4E-04	6.23E-09	1.76E-08	0.00E+00	2.38E-08	0.02	0.00011	1010
630824	4277811	5.5E-04	6.39E-09	1.80E-08	0.00E+00	2.44E-08	0.02	0.00011	1011
630824	4277661	7.1E-04	8.14E-09	2.30E-08	0.00E+00	3.11E-08	0.03	0.00014	1012
630824	4277611	7.8E-04	8.96E-09	2.53E-08	0.00E+00	3.42E-08	0.03	0.00016	1013
630824	4277561	8.5E-04	9.78E-09	2.76E-08	0.00E+00	3.74E-08	0.04	0.00017	1014
630824	4277511	9.1E-04	1.05E-08	2.96E-08	0.00E+00	4.02E-08	0.04	0.00018	1015
630824	4277461	9.6E-04	1.11E-08	3.12E-08	0.00E+00	4.23E-08	0.04	0.00019	1016
630824	4277311	1.0E-03	1.18E-08	3.34E-08	0.00E+00	4.52E-08	0.05	0.00021	1017
630824	4277261	1.0E-03	1.17E-08	3.31E-08	0.00E+00	4.48E-08	0.04	0.00020	1018
630824	4277211	1.0E-03	1.15E-08	3.24E-08	0.00E+00	4.39E-08	0.04	0.00020	1019
630824	4277161	9.7E-04	1.11E-08	3.14E-08	0.00E+00	4.25E-08	0.04	0.00019	1020
630824	4277111	9.3E-04	1.07E-08	3.02E-08	0.00E+00	4.08E-08	0.04	0.00019	1021
630824	4277061	8.8E-04	1.02E-08	2.88E-08	0.00E+00	3.89E-08	0.04	0.00018	1022
630824	4277011	8.4E-04	9.66E-09	2.72E-08	0.00E+00	3.69E-08	0.04	0.00017	1023
630824	4276961	7.9E-04	9.11E-09	2.57E-08	0.00E+00	3.48E-08	0.03	0.00016	1024
630824	4276911	7.4E-04	8.56E-09	2.41E-08	0.00E+00	3.27E-08	0.03	0.00015	1025
630874	4278161	4.5E-04	5.23E-09	1.47E-08	0.00E+00	2.00E-08	0.02	0.00009	1026
630874	4278111	4.7E-04	5.38E-09	1.52E-08	0.00E+00	2.05E-08	0.02	0.00009	1027
630874	4278061	4.7E-04	5.45E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.00009	1028
630874	4278011	4.7E-04	5.45E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.00009	1029
630874	4277961	4.6E-04	5.35E-09	1.51E-08	0.00E+00	2.04E-08	0.02	0.00009	1030
630874	4277911	4.5E-04	5.22E-09	1.47E-08	0.00E+00	2.00E-08	0.02	0.00009	1031
630874	4277861	4.5E-04	5.17E-09	1.46E-08	0.00E+00	1.98E-08	0.02	0.00009	1032
630874	4277811	4.6E-04	5.29E-09	1.49E-08	0.00E+00	2.02E-08	0.02	0.00009	1033
630874	4277711	5.2E-04	6.02E-09	1.70E-08	0.00E+00	2.30E-08	0.02	0.00010	1034
630874	4277661	5.7E-04	6.58E-09	1.85E-08	0.00E+00	2.51E-08	0.03	0.00011	1035
630874	4277611	6.2E-04	7.20E-09	2.03E-08	0.00E+00	2.75E-08	0.03	0.00012	1036
630874	4277561	6.8E-04	7.85E-09	2.21E-08	0.00E+00	3.00E-08	0.03	0.00014	1037
630874	4277511	7.4E-04	8.50E-09	2.40E-08	0.00E+00	3.25E-08	0.03	0.00015	1038
630874	4277361	8.5E-04	9.84E-09	2.78E-08	0.00E+00	3.76E-08	0.04	0.00017	1039
630874	4277311	8.7E-04	1.00E-08	2.83E-08	0.00E+00	3.83E-08	0.04	0.00017	1040
630874	4277261	8.8E-04	1.01E-08	2.85E-08	0.00E+00	3.86E-08	0.04	0.00018	1041
630874	4277211	8.7E-04	1.00E-08	2.83E-08	0.00E+00	3.83E-08	0.04	0.00017	1042
630874	4277161	8.6E-04	9.87E-09	2.78E-08	0.00E+00	3.77E-08	0.04	0.00017	1043
630874	4277111	8.3E-04	9.62E-09	2.71E-08	0.00E+00	3.68E-08	0.04	0.00017	1044
630874	4277061	8.1E-04	9.30E-09	2.62E-08	0.00E+00	3.55E-08	0.04	0.00016	1045
630874	4277011	7.8E-04	8.94E-09	2.52E-08	0.00E+00	3.41E-08	0.03	0.00016	1046
630874	4276961	7.4E-04	8.54E-09	2.41E-08	0.00E+00	3.26E-08	0.03	0.00015	1047
630874	4276911	7.0E-04	8.12E-09	2.29E-08	0.00E+00	3.10E-08	0.03	0.00014	1048
630924	4278161	3.9E-04	4.50E-09	1.27E-08	0.00E+00	1.72E-08	0.02	0.00008	1049
630924	4278111	4.0E-04	4.61E-09	1.30E-08	0.00E+00	1.76E-08	0.02	0.00008	1050
630924	4278061	4.0E-04	4.65E-09	1.31E-08	0.00E+00	1.78E-08	0.02	0.00008	1051
630924	4278011	4.0E-04	4.63E-09	1.30E-08	0.00E+00	1.77E-08	0.02	0.00008	1052
630924	4277961	3.9E-04	4.53E-09	1.28E-08	0.00E+00	1.73E-08	0.02	0.00008	1053
630924	4277911	3.8E-04	4.42E-09	1.25E-08	0.00E+00	1.69E-08	0.02	0.00008	1054
630924	4277861	3.8E-04	4.37E-09	1.23E-08	0.00E+00	1.67E-08	0.02	0.00008	1055
630924	4277811	3.9E-04	4.45E-09	1.26E-08	0.00E+00	1.70E-08	0.02	0.00008	1056
630924	4277761	4.1E-04	4.67E-09	1.32E-08	0.00E+00	1.78E-08	0.02	0.00008	1057
630924	4277661	4.7E-04	5.43E-09	1.53E-08	0.00E+00	2.07E-08	0.02	0.00009	1058
630924	4277611	5.1E-04	5.91E-09	1.67E-08	0.00E+00	2.26E-08	0.02	0.00010	1059
630924	4277561	5.6E-04	6.42E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.00011	1060
630924	4277511	6.0E-04	6.91E-09	1.95E-08	0.00E+00	2.64E-08	0.03	0.00012	1061
630924	4277411	6.9E-04	7.90E-09	2.23E-08	0.00E+00	3.02E-08	0.03	0.00014	1062
630924	4277361	7.2E-04	8.25E-09	2.33E-08	0.00E+00	3.15E-08	0.03	0.00014	1063
630924	4277311	7.4E-04	8.51E-09	2.40E-08	0.00E+00	3.25E-08	0.03	0.00015	1064
630924	4277261	7.5E-04	8.67E-09	2.45E-08	0.00E+00	3.31E-08	0.03	0.00015	1065
630924	4277211	7.6E-04	8.73E-09	2.46E-08	0.00E+00	3.34E-08	0.03	0.00015	1066
630924	4277161	7.5E-04	8.70E-09	2.45E-08	0.00E+00	3.32E-08	0.03	0.00015	1067
630924	4277111	7.5E-04	8.59E-09	2.42E-08	0.00E+00	3.28E-08	0.03	0.00015	1068
630924	4277061	7.3E-04	8.41E-09	2.37E-08	0.00E+00	3.21E-08	0.03	0.00015	1069
630924	4277011	7.1E-04	8.18E-09	2.31E-08	0.00E+00	3.13E-08	0.03	0.00014	1070
630924	4276961	6.9E-04	7.91E-09	2.23E-08	0.00E+00	3.02E-08	0.03	0.00014	1071
630924	4276911	6.6E-04	7.61E-09	2.14E-08	0.00E+00	2.91E-08	0.03	0.00013	1072
630974	4278161	3.4E-04	3.93E-09	1.11E-08	0.00E+00	1.50E-08	0.02	0.00007	1073
630974	4278111	3.5E-04	4.00E-09	1.13E-08	0.00E+00	1.53E-08	0.02	0.00007	1074
630974	4278061	3.5E-04	4.02E-09	1.14E-08	0.00E+00	1.54E-08	0.02	0.00007	1075
630974	4278011	3.4E-04	3.98E-09	1.12E-08	0.00E+00	1.52E-08	0.02	0.00007	1076
630974	4277961	3.4E-04	3.89E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1077
630974	4277911	3.3E-04	3.80E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.00007	1078

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630974	4277861	3.3E-04	3.75E-09	1.06E-08	0.00E+00	1.43E-08	0.01	0.00007	1079
630974	4277811	3.3E-04	3.81E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.00007	1080
630974	4277761	3.4E-04	3.97E-09	1.12E-08	0.00E+00	1.52E-08	0.02	0.00007	1081
630974	4277661	4.0E-04	4.56E-09	1.29E-08	0.00E+00	1.74E-08	0.02	0.00008	1082
630974	4277611	4.3E-04	4.93E-09	1.39E-08	0.00E+00	1.88E-08	0.02	0.00009	1083
630974	4277561	4.6E-04	5.34E-09	1.50E-08	0.00E+00	2.04E-08	0.02	0.00009	1084
630974	4277461	5.4E-04	6.20E-09	1.75E-08	0.00E+00	2.37E-08	0.02	0.00011	1085
630974	4277411	5.7E-04	6.61E-09	1.86E-08	0.00E+00	2.53E-08	0.03	0.00011	1086
630974	4277361	6.0E-04	6.96E-09	1.96E-08	0.00E+00	2.66E-08	0.03	0.00012	1087
630974	4277311	6.3E-04	7.24E-09	2.04E-08	0.00E+00	2.77E-08	0.03	0.00013	1088
630974	4277261	6.5E-04	7.45E-09	2.10E-08	0.00E+00	2.85E-08	0.03	0.00013	1089
630974	4277211	6.6E-04	7.59E-09	2.14E-08	0.00E+00	2.90E-08	0.03	0.00013	1090
630974	4277161	6.6E-04	7.65E-09	2.16E-08	0.00E+00	2.92E-08	0.03	0.00013	1091
630974	4277111	6.6E-04	7.64E-09	2.15E-08	0.00E+00	2.92E-08	0.03	0.00013	1092
630974	4277061	6.6E-04	7.56E-09	2.13E-08	0.00E+00	2.89E-08	0.03	0.00013	1093
630974	4277011	6.5E-04	7.44E-09	2.10E-08	0.00E+00	2.84E-08	0.03	0.00013	1094
630974	4276961	6.3E-04	7.26E-09	2.05E-08	0.00E+00	2.77E-08	0.03	0.00013	1095
630974	4276911	6.1E-04	7.06E-09	1.99E-08	0.00E+00	2.70E-08	0.03	0.00012	1096
631024	4278161	3.0E-04	3.46E-09	9.75E-09	0.00E+00	1.32E-08	0.01	0.00006	1097
631024	4278111	3.0E-04	3.51E-09	9.90E-09	0.00E+00	1.34E-08	0.01	0.00006	1098
631024	4278061	3.0E-04	3.51E-09	9.90E-09	0.00E+00	1.34E-08	0.01	0.00006	1099
631024	4278011	3.0E-04	3.46E-09	9.76E-09	0.00E+00	1.32E-08	0.01	0.00006	1100
631024	4277961	2.9E-04	3.38E-09	9.52E-09	0.00E+00	1.29E-08	0.01	0.00006	1101
631024	4277911	2.9E-04	3.30E-09	9.30E-09	0.00E+00	1.26E-08	0.01	0.00006	1102
631024	4277861	2.8E-04	3.26E-09	9.19E-09	0.00E+00	1.24E-08	0.01	0.00006	1103
631024	4277811	2.9E-04	3.30E-09	9.30E-09	0.00E+00	1.26E-08	0.01	0.00006	1104
631024	4277761	3.0E-04	3.42E-09	9.66E-09	0.00E+00	1.31E-08	0.01	0.00006	1105
631024	4277711	3.1E-04	3.63E-09	1.02E-08	0.00E+00	1.39E-08	0.01	0.00006	1106
631024	4277611	3.6E-04	4.19E-09	1.18E-08	0.00E+00	1.60E-08	0.02	0.00007	1107
631024	4277411	4.8E-04	5.57E-09	1.57E-08	0.00E+00	2.13E-08	0.02	0.00010	1108
631024	4277361	5.1E-04	5.90E-09	1.66E-08	0.00E+00	2.25E-08	0.02	0.00010	1109
631024	4277311	5.4E-04	6.19E-09	1.75E-08	0.00E+00	2.36E-08	0.02	0.00011	1110
631024	4277261	5.6E-04	6.43E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.00011	1111
631024	4277211	5.7E-04	6.60E-09	1.86E-08	0.00E+00	2.52E-08	0.03	0.00011	1112
631024	4277161	5.8E-04	6.71E-09	1.89E-08	0.00E+00	2.57E-08	0.03	0.00012	1113
631024	4277111	5.9E-04	6.77E-09	1.91E-08	0.00E+00	2.59E-08	0.03	0.00012	1114
631024	4277061	5.9E-04	6.77E-09	1.91E-08	0.00E+00	2.59E-08	0.03	0.00012	1115
631024	4277011	5.8E-04	6.72E-09	1.90E-08	0.00E+00	2.57E-08	0.03	0.00012	1116
631024	4276961	5.8E-04	6.63E-09	1.87E-08	0.00E+00	2.53E-08	0.03	0.00012	1117
631024	4276911	5.6E-04	6.50E-09	1.83E-08	0.00E+00	2.48E-08	0.02	0.00011	1118
631074	4278161	2.7E-04	3.07E-09	8.66E-09	0.00E+00	1.17E-08	0.01	0.00005	1119
631074	4278111	2.7E-04	3.11E-09	8.76E-09	0.00E+00	1.19E-08	0.01	0.00005	1120
631074	4278061	2.7E-04	3.10E-09	8.74E-09	0.00E+00	1.18E-08	0.01	0.00005	1121
631074	4278011	2.6E-04	3.04E-09	8.58E-09	0.00E+00	1.16E-08	0.01	0.00005	1122
631074	4277961	2.6E-04	2.97E-09	8.37E-09	0.00E+00	1.13E-08	0.01	0.00005	1123
631074	4277911	2.5E-04	2.90E-09	8.17E-09	0.00E+00	1.11E-08	0.01	0.00005	1124
631074	4277861	2.5E-04	2.86E-09	8.07E-09	0.00E+00	1.09E-08	0.01	0.00005	1125
631074	4277811	2.5E-04	2.89E-09	8.14E-09	0.00E+00	1.10E-08	0.01	0.00005	1126
631074	4277761	2.6E-04	2.98E-09	8.42E-09	0.00E+00	1.14E-08	0.01	0.00005	1127
631074	4277711	2.7E-04	3.15E-09	8.89E-09	0.00E+00	1.20E-08	0.01	0.00005	1128
631074	4277461	3.9E-04	4.46E-09	1.26E-08	0.00E+00	1.70E-08	0.02	0.00008	1129
631074	4277311	4.6E-04	5.32E-09	1.50E-08	0.00E+00	2.03E-08	0.02	0.00009	1130
631074	4277261	4.8E-04	5.56E-09	1.57E-08	0.00E+00	2.12E-08	0.02	0.00010	1131
631074	4277211	5.0E-04	5.75E-09	1.62E-08	0.00E+00	2.20E-08	0.02	0.00010	1132
631074	4277161	5.1E-04	5.90E-09	1.66E-08	0.00E+00	2.25E-08	0.02	0.00010	1133
631074	4277111	5.2E-04	6.00E-09	1.69E-08	0.00E+00	2.29E-08	0.02	0.00010	1134
631074	4277061	5.2E-04	6.05E-09	1.71E-08	0.00E+00	2.31E-08	0.02	0.00010	1135
631074	4277011	5.3E-04	6.06E-09	1.71E-08	0.00E+00	2.32E-08	0.02	0.00011	1136
631074	4276961	5.2E-04	6.03E-09	1.70E-08	0.00E+00	2.30E-08	0.02	0.00010	1137
631074	4276911	5.2E-04	5.96E-09	1.68E-08	0.00E+00	2.28E-08	0.02	0.00010	1138
631124	4278161	2.4E-04	2.75E-09	7.76E-09	0.00E+00	1.05E-08	0.01	0.00005	1139
631124	4278111	2.4E-04	2.77E-09	7.81E-09	0.00E+00	1.06E-08	0.01	0.00005	1140
631124	4278061	2.4E-04	2.75E-09	7.77E-09	0.00E+00	1.05E-08	0.01	0.00005	1141
631124	4278011	2.3E-04	2.70E-09	7.63E-09	0.00E+00	1.03E-08	0.01	0.00005	1142
631124	4277961	2.3E-04	2.63E-09	7.43E-09	0.00E+00	1.01E-08	0.01	0.00005	1143
631124	4277911	2.2E-04	2.57E-09	7.24E-09	0.00E+00	9.81E-09	0.01	0.00004	1144
631124	4277861	2.2E-04	2.53E-09	7.15E-09	0.00E+00	9.68E-09	0.01	0.00004	1145
631124	4277811	2.2E-04	2.55E-09	7.20E-09	0.00E+00	9.76E-09	0.01	0.00004	1146
631124	4277761	2.3E-04	2.63E-09	7.43E-09	0.00E+00	1.01E-08	0.01	0.00005	1147
631124	4277711	2.4E-04	2.77E-09	7.80E-09	0.00E+00	1.06E-08	0.01	0.00005	1148
631124	4277461	3.3E-04	3.84E-09	1.08E-08	0.00E+00	1.47E-08	0.01	0.00007	1149
631124	4277411	3.6E-04	4.10E-09	1.16E-08	0.00E+00	1.57E-08	0.02	0.00007	1150
631124	4277261	4.2E-04	4.83E-09	1.36E-08	0.00E+00	1.85E-08	0.02	0.00008	1151
631124	4277211	4.4E-04	5.03E-09	1.42E-08	0.00E+00	1.92E-08	0.02	0.00009	1152
631124	4277161	4.5E-04	5.19E-09	1.46E-08	0.00E+00	1.98E-08	0.02	0.00009	1153
631124	4277111	4.6E-04	5.32E-09	1.50E-08	0.00E+00	2.03E-08	0.02	0.00009	1154
631124	4277061	4.7E-04	5.40E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.00009	1155
631124	4277011	4.7E-04	5.45E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.00009	1156
631124	4276961	4.7E-04	5.47E-09	1.54E-08	0.00E+00	2.09E-08	0.02	0.00009	1157
631124	4276911	4.7E-04	5.45E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.00009	1158
631174	4278161	2.2E-04	2.48E-09	7.00E-09	0.00E+00	9.48E-09	0.01	0.00004	1159
631174	4278111	2.2E-04	2.49E-09	7.02E-09	0.00E+00	9.51E-09	0.01	0.00004	1160
631174	4278061	2.1E-04	2.47E-09	6.96E-09	0.00E+00	9.43E-09	0.01	0.00004	1161
631174	4278011	2.1E-04	2.41E-09	6.81E-09	0.00E+00	9.22E-09	0.01	0.00004	1162
631174	4277961	2.0E-04	2.35E-09	6.63E-09	0.00E+00	8.99E-09	0.01	0.00004	1163
631174	4277911	2.0E-04	2.29E-09	6.47E-09	0.00E+00	8.76E-09	0.01	0.00004	1164
631174	4277861	2.0E-04	2.27E-09	6.39E-09	0.00E+00	8.66E-09	0.01	0.00004	1165
631174	4277811	2.0E-04	2.27E-09	6.41E-09	0.00E+00	8.69E-09	0.01	0.00004	1166
631174	4277761	2.0E-04	2.34E-09	6.60E-09	0.00E+00	8.94E-09	0.01	0.00004	1167
631174	4277561	2.6E-04	2.94E-09	8.30E-09	0.00E+00	1.12E-08	0.01	0.00005	1168
631174	4277511	2.7E-04	3.14E-09	8.85E-09	0.00E+00	1.20E-08	0.01	0.00005	1169
631174	4277461	2.9E-04	3.35E-09	9.45E-09	0.00E+00	1.28E-08	0.01	0.00006	1170
631174	4277311	3.5E-04	4.02E-09	1.13E-08	0.00E+00	1.53E-08	0.02	0.00007	1171
631174	4277261	3.7E-04	4.23E-09	1.19E-08	0.00E+00	1.61E-08	0.02	0.00007	1172
631174	4277161	4.0E-04	4.58E-09	1.29E-08	0.00E+00	1.75E-08	0.02	0.00008	1173
631174	4277111	4.1E-04	4.72E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.00008	1174
631174	4277061	4.2E-04	4.83E-09	1.36E-08	0.00E+00	1.84E-08	0.02	0.00008	1175
631174	4277011	4.3E-04	4.90E-09	1.38E-08	0.00E+00	1.87E-08	0.02	0.00009	1176
631174	4276961	4.3E-04	4.95E-09	1.40E-08	0.00E+00	1.89E-08	0.02	0.00009	1177
631174	4276911	4.3E-04	4.97E-09	1.40E-08	0.00E+00	1.90E-08	0.02	0.00009	1178
631224	4278161	1.9E-04	2.25E-09	6.34E-09	0.00E+00	8.59E-09	0.01	0.00004	1179
631224	4278111	2.0E-04	2.25E-09	6.34E-09	0.00E+00	8.59E-09	0.01	0.00004	1180
631224	4278061	1.9E-04	2.23E-09	6.28E-09	0.00E+00	8.50E-09	0.01	0.00004	1181
631224	4278011	1.9E-04	2.18E-09	6.14E-09	0.00E+00	8.32E-09	0.01	0.00004	1182
631224	4277961	1.8E-04	2.12E-09	5.98E-09	0.00E+00	8.10E-09	0.01	0.00004	1183
631224	4277911	1.8E-04	2.07E-09	5.82E-09	0.00E+00	7.89E-09	0.01	0.00004	1184
631224	4277861	1.8E-04	2.04E-09	5.75E-09	0.00E+00	7.79E-09	0.01	0.00004	1185
631224	4277811	1.8E-04	2.04E-09	5.77E-09	0.00E+00	7.81E-09	0.01	0.00004	1186
631224	4277761	1.8E-04	2.10E-09	5.92E-09	0.00E+00	8.02E-09	0.01	0.00004	1187
631224	4277561	2.3E-04	2.60E-09	7.34E-09	0.00E+00	9.94E-09	0.01	0.00005	1188
631224	4277461	2.6E-04	2.95E-09	8.33E-09	0.00E+00	1.13E-08	0.01	0.00005	1189
631224	4277361	2.9E-04	3.33E-09	9.39E-09	0.00E+00	1.27E-08	0.01	0.00006	1190
631224	4277311	3.1E-04	3.53E-09	9.94E-09	0.00E+00	1.35E-08	0.01	0.00006	1191
631224	4277261	3.2E-04	3.72E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.00006	1192
631224	4277211	3.4E-04	3.89E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1193
631224	4277161	3.5E-04	4.05E-09	1.14E-08	0.00E+00	1.55E-08	0.02	0.00007	1194
631224	4277111	3.6E-04	4.20E-09	1.18E-08	0.00E+00	1.60E-08	0.02	0.00007	1195
631224	4277061	3.7E-04	4.31E-09	1.22E-08	0.00E+00	1.65E-08	0.02	0.00007	1196
631224	4277011	3.8E-04	4.41E-09	1.24E-08	0.00E+00	1.68E-08	0.02	0.00008	1197
631224	4276961	3.9E-04	4.48E-09	1.26E-08	0.00E+00	1.71E-08	0.02	0.00008	1198
631224	4276911	3.9E-04	4.52E-09	1.28E-08	0.00E+00	1.73E-08	0.02	0.00008	1199
631274	4277611	1.9E-04	2.19E-09	6.18E-09	0.00E+00	8.37E-09	0.01	0.00004	1200
631274	4277561	2.0E-04	2.32E-09	6.56E-09	0.00E+00	8.88E-09	0.01	0.00004	1201
631274	4277511	2.1E-04	2.47E-09	6.96E-09	0.00E+00	9.43E-09	0.01	0.00004	1202

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
631274	4277461	2.3E-04	2.63E-09	7.40E-09	0.00E+00	1.00E-08	0.01	0.00005	1203
631274	4277361	2.6E-04	2.95E-09	8.31E-09	0.00E+00	1.13E-08	0.01	0.00005	1204
631274	4277311	2.7E-04	3.12E-09	8.79E-09	0.00E+00	1.19E-08	0.01	0.00005	1205
631274	4277261	2.9E-04	3.29E-09	9.27E-09	0.00E+00	1.26E-08	0.01	0.00006	1206
631274	4277211	3.0E-04	3.45E-09	9.73E-09	0.00E+00	1.32E-08	0.01	0.00006	1207
631274	4277161	3.1E-04	3.60E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.00006	1208
631274	4277111	3.2E-04	3.74E-09	1.06E-08	0.00E+00	1.43E-08	0.01	0.00006	1209
631274	4277061	3.4E-04	3.86E-09	1.09E-08	0.00E+00	1.48E-08	0.01	0.00007	1210
631274	4277011	3.4E-04	3.97E-09	1.12E-08	0.00E+00	1.52E-08	0.02	0.00007	1211
631274	4276961	3.5E-04	4.05E-09	1.14E-08	0.00E+00	1.55E-08	0.02	0.00007	1212
631274	4276911	3.6E-04	4.11E-09	1.16E-08	0.00E+00	1.57E-08	0.02	0.00007	1213
630524	4277611	4.6E-03	5.32E-08	1.50E-07	0.00E+00	2.03E-07	0.20	0.00092	1214
630524	4277561	4.3E-03	4.94E-08	1.39E-07	0.00E+00	1.89E-07	0.19	0.00086	1215
630524	4277511	3.8E-03	4.42E-08	1.25E-07	0.00E+00	1.69E-07	0.17	0.00077	1216
630524	4277461	3.4E-03	3.86E-08	1.09E-07	0.00E+00	1.48E-07	0.15	0.00067	1217
630524	4277411	2.9E-03	3.31E-08	9.34E-08	0.00E+00	1.27E-07	0.13	0.00057	1218
630524	4277261	1.8E-03	2.04E-08	5.74E-08	0.00E+00	7.78E-08	0.08	0.00035	1219
630524	4276961	7.5E-04	8.64E-09	2.44E-08	0.00E+00	3.30E-08	0.03	0.00015	1220
630524	4276911	6.6E-04	7.66E-09	2.16E-08	0.00E+00	2.93E-08	0.03	0.00013	1221
630474	4277611	6.3E-03	7.29E-08	2.06E-07	0.00E+00	2.79E-07	0.28	0.00127	1222
630474	4277561	5.4E-03	6.23E-08	1.76E-07	0.00E+00	2.38E-07	0.24	0.00108	1223
630474	4277511	4.5E-03	5.17E-08	1.46E-07	0.00E+00	1.98E-07	0.20	0.00090	1224
630474	4277461	3.7E-03	4.24E-08	1.20E-07	0.00E+00	1.62E-07	0.16	0.00074	1225
630474	4277411	3.0E-03	3.44E-08	9.71E-08	0.00E+00	1.32E-07	0.13	0.00060	1226
630474	4277061	8.8E-04	1.02E-08	2.88E-08	0.00E+00	3.90E-08	0.04	0.00018	1227
630474	4276961	6.8E-04	7.89E-09	2.23E-08	0.00E+00	3.02E-08	0.03	0.00014	1228
630474	4276911	6.1E-04	7.00E-09	1.97E-08	0.00E+00	2.68E-08	0.03	0.00012	1229
630424	4277611	8.0E-03	9.21E-08	2.60E-07	0.00E+00	3.52E-07	0.35	0.00160	1230
630424	4277561	6.2E-03	7.10E-08	2.00E-07	0.00E+00	2.71E-07	0.27	0.00123	1231
630424	4277511	4.7E-03	5.46E-08	1.54E-07	0.00E+00	2.09E-07	0.21	0.00095	1232
630424	4277461	3.7E-03	4.22E-08	1.19E-07	0.00E+00	1.61E-07	0.16	0.00073	1233
630424	4277411	2.8E-03	3.28E-08	9.26E-08	0.00E+00	1.25E-07	0.13	0.00057	1234
630424	4277211	1.3E-03	1.46E-08	4.12E-08	0.00E+00	5.59E-08	0.06	0.00025	1235
630424	4277061	7.9E-04	9.16E-09	2.58E-08	0.00E+00	3.50E-08	0.04	0.00016	1236
630424	4276961	6.2E-04	7.12E-09	2.01E-08	0.00E+00	2.72E-08	0.03	0.00012	1237
630424	4276911	5.5E-04	6.34E-09	1.79E-08	0.00E+00	2.42E-08	0.02	0.00011	1238
630374	4277611	8.5E-03	9.83E-08	2.77E-07	0.00E+00	3.76E-07	0.38	0.00171	1239
630374	4277561	6.0E-03	6.94E-08	1.96E-07	0.00E+00	2.65E-07	0.27	0.00120	1240
630374	4277511	4.4E-03	5.04E-08	1.42E-07	0.00E+00	1.92E-07	0.19	0.00087	1241
630374	4277461	3.3E-03	3.75E-08	1.06E-07	0.00E+00	1.43E-07	0.14	0.00065	1242
630374	4276961	5.6E-04	6.40E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.00011	1243
630374	4276911	5.0E-04	5.73E-09	1.62E-08	0.00E+00	2.19E-08	0.02	0.00010	1244
630324	4277611	7.3E-03	8.38E-08	2.36E-07	0.00E+00	3.20E-07	0.32	0.00145	1245
630324	4277561	5.0E-03	5.71E-08	1.61E-07	0.00E+00	2.18E-07	0.22	0.00099	1246
630324	4277511	3.5E-03	4.09E-08	1.15E-07	0.00E+00	1.56E-07	0.16	0.00071	1247
630324	4277361	1.7E-03	1.91E-08	5.40E-08	0.00E+00	7.31E-08	0.07	0.00033	1248
630324	4277311	1.4E-03	1.56E-08	4.41E-08	0.00E+00	5.97E-08	0.06	0.00027	1249
630324	4277261	1.1E-03	1.30E-08	3.67E-08	0.00E+00	4.97E-08	0.05	0.00023	1250
630324	4277211	9.6E-04	1.10E-08	3.11E-08	0.00E+00	4.22E-08	0.04	0.00019	1251
630324	4277161	8.2E-04	9.46E-09	2.67E-08	0.00E+00	3.61E-08	0.04	0.00016	1252
630324	4277111	7.1E-04	8.20E-09	2.31E-08	0.00E+00	3.13E-08	0.03	0.00014	1253
630324	4276961	5.0E-04	5.77E-09	1.63E-08	0.00E+00	2.20E-08	0.02	0.00010	1254
630324	4276911	4.5E-04	5.20E-09	1.47E-08	0.00E+00	1.99E-08	0.02	0.00009	1255
630274	4277611	5.3E-03	6.09E-08	1.72E-07	0.00E+00	2.33E-07	0.23	0.00106	1256
630274	4277461	2.1E-03	2.46E-08	6.94E-08	0.00E+00	9.40E-08	0.09	0.00043	1257
630274	4277411	1.7E-03	1.95E-08	5.50E-08	0.00E+00	7.45E-08	0.07	0.00034	1258
630274	4277361	1.4E-03	1.59E-08	4.48E-08	0.00E+00	6.07E-08	0.06	0.00028	1259
630274	4277311	1.1E-03	1.32E-08	3.73E-08	0.00E+00	5.05E-08	0.05	0.00023	1260
630274	4277261	9.7E-04	1.12E-08	3.15E-08	0.00E+00	4.27E-08	0.04	0.00019	1261
630274	4277211	8.3E-04	9.60E-09	2.71E-08	0.00E+00	3.67E-08	0.04	0.00017	1262
630274	4277161	7.2E-04	8.33E-09	2.35E-08	0.00E+00	3.18E-08	0.03	0.00014	1263
630274	4277111	6.3E-04	7.31E-09	2.06E-08	0.00E+00	2.79E-08	0.03	0.00013	1264
630274	4276961	4.6E-04	5.25E-09	1.48E-08	0.00E+00	2.01E-08	0.02	0.00009	1265
630274	4276911	4.1E-04	4.76E-09	1.34E-08	0.00E+00	1.82E-08	0.02	0.00008	1266
630224	4277511	2.2E-03	2.50E-08	7.05E-08	0.00E+00	9.55E-08	0.10	0.00043	1267
630224	4277461	1.7E-03	1.99E-08	5.60E-08	0.00E+00	7.59E-08	0.08	0.00034	1268
630224	4277411	1.4E-03	1.62E-08	4.56E-08	0.00E+00	6.18E-08	0.06	0.00028	1269
630224	4277361	1.2E-03	1.34E-08	3.79E-08	0.00E+00	5.13E-08	0.05	0.00023	1270
630224	4277311	9.9E-04	1.14E-08	3.20E-08	0.00E+00	4.34E-08	0.04	0.00020	1271
630224	4277261	8.5E-04	9.75E-09	2.75E-08	0.00E+00	3.72E-08	0.04	0.00017	1272
630224	4277211	7.3E-04	8.47E-09	2.39E-08	0.00E+00	3.23E-08	0.03	0.00015	1273
630224	4277161	6.4E-04	7.42E-09	2.09E-08	0.00E+00	2.83E-08	0.03	0.00013	1274
630224	4277111	5.7E-04	6.58E-09	1.86E-08	0.00E+00	2.51E-08	0.03	0.00011	1275
630224	4277061	5.1E-04	5.87E-09	1.66E-08	0.00E+00	2.24E-08	0.02	0.00010	1276
630224	4276911	3.8E-04	4.40E-09	1.24E-08	0.00E+00	1.68E-08	0.02	0.00008	1277
630174	4277561	2.2E-03	2.54E-08	7.15E-08	0.00E+00	9.69E-08	0.10	0.00044	1278
630174	4277511	1.7E-03	2.02E-08	5.69E-08	0.00E+00	7.70E-08	0.08	0.00035	1279
630174	4277461	1.4E-03	1.64E-08	4.63E-08	0.00E+00	6.28E-08	0.06	0.00029	1280
630174	4277411	1.2E-03	1.37E-08	3.85E-08	0.00E+00	5.22E-08	0.05	0.00024	1281
630174	4277361	1.0E-03	1.15E-08	3.26E-08	0.00E+00	4.41E-08	0.04	0.00020	1282
630174	4277311	8.6E-04	9.91E-09	2.79E-08	0.00E+00	3.78E-08	0.04	0.00017	1283
630174	4277261	7.5E-04	8.60E-09	2.43E-08	0.00E+00	3.29E-08	0.03	0.00015	1284
630174	4277211	6.6E-04	7.55E-09	2.13E-08	0.00E+00	2.89E-08	0.03	0.00013	1285
630174	4277161	5.8E-04	6.69E-09	1.89E-08	0.00E+00	2.56E-08	0.03	0.00012	1286
630174	4277111	5.2E-04	5.98E-09	1.69E-08	0.00E+00	2.28E-08	0.02	0.00010	1287
630174	4277061	4.7E-04	5.39E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.00009	1288
630174	4277011	4.2E-04	4.87E-09	1.37E-08	0.00E+00	1.86E-08	0.02	0.00008	1289
630174	4276911	3.5E-04	4.09E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.00007	1290
630124	4277611	2.2E-03	2.58E-08	7.27E-08	0.00E+00	9.85E-08	0.10	0.00045	1291
630124	4277561	1.8E-03	2.05E-08	5.79E-08	0.00E+00	7.84E-08	0.08	0.00036	1292
630124	4277511	1.4E-03	1.67E-08	4.71E-08	0.00E+00	6.38E-08	0.06	0.00029	1293
630124	4277461	1.2E-03	1.39E-08	3.92E-08	0.00E+00	5.30E-08	0.05	0.00024	1294
630124	4277411	1.0E-03	1.17E-08	3.31E-08	0.00E+00	4.48E-08	0.04	0.00020	1295
630124	4277361	8.7E-04	1.01E-08	2.84E-08	0.00E+00	3.84E-08	0.04	0.00017	1296
630124	4277311	7.6E-04	8.73E-09	2.46E-08	0.00E+00	3.34E-08	0.03	0.00015	1297
630124	4277261	6.6E-04	7.66E-09	2.16E-08	0.00E+00	2.93E-08	0.03	0.00013	1298
630124	4277211	5.9E-04	6.79E-09	1.92E-08	0.00E+00	2.59E-08	0.03	0.00012	1299
630124	4277161	5.3E-04	6.07E-09	1.71E-08	0.00E+00	2.32E-08	0.02	0.00011	1300
630124	4277111	4.7E-04	5.46E-09	1.54E-08	0.00E+00	2.09E-08	0.02	0.00009	1301
630124	4277061	4.3E-04	4.95E-09	1.40E-08	0.00E+00	1.89E-08	0.02	0.00009	1302
630124	4277011	3.9E-04	4.51E-09	1.27E-08	0.00E+00	1.72E-08	0.02	0.00008	1303
630074	4277611	1.8E-03	2.09E-08	5.89E-08	0.00E+00	7.98E-08	0.08	0.00036	1304
630074	4277561	1.5E-03	1.71E-08	4.82E-08	0.00E+00	6.53E-08	0.07	0.00030	1305
630074	4277511	1.2E-03	1.42E-08	4.00E-08	0.00E+00	5.42E-08	0.05	0.00025	1306
630074	4277461	1.0E-03	1.20E-08	3.38E-08	0.00E+00	4.58E-08	0.05	0.00021	1307
630074	4277411	8.9E-04	1.02E-08	2.89E-08	0.00E+00	3.91E-08	0.04	0.00018	1308
630074	4277361	7.7E-04	8.87E-09	2.50E-08	0.00E+00	3.39E-08	0.03	0.00015	1309
630074	4277311	6.7E-04	7.78E-09	2.19E-08	0.00E+00	2.97E-08	0.03	0.00013	1310
630074	4277261	6.0E-04	6.88E-09	1.94E-08	0.00E+00	2.63E-08	0.03	0.00012	1311
630074	4277211	5.3E-04	6.14E-09	1.73E-08	0.00E+00	2.35E-08	0.02	0.00011	1312
630074	4277161	4.8E-04	5.53E-09	1.56E-08	0.00E+00	2.11E-08	0.02	0.00010	1313
630074	4277111	4.3E-04	5.01E-09	1.41E-08	0.00E+00	1.91E-08	0.02	0.00009	1314
630074	4277061	4.0E-04	4.56E-09	1.29E-08	0.00E+00	1.74E-08	0.02	0.00008	1315
630074	4277011	3.6E-04	4.18E-09	1.18E-08	0.00E+00	1.60E-08	0.02	0.00007	1316
630024	4277611	1.5E-03	1.71E-08	4.81E-08	0.00E+00	6.52E-08	0.07	0.00030	1317
630024	4277561	1.2E-03	1.44E-08	4.06E-08	0.00E+00	5.50E-08	0.05	0.00025	1318
630024	4277511	1.1E-03	1.22E-08	3.45E-08	0.00E+00	4.68E-08	0.05	0.00021	1319
630024	4277461	9.1E-04	1.05E-08	2.96E-08	0.00E+00	4.01E-08	0.04	0.00018	1320
630024	4277411	7.9E-04	9.10E-09	2.57E-08	0.00E+00	3.48E-08	0.03	0.00016	1321
630024	4277361	6.9E-04	7.97E-09	2.25E-08	0.00E+00	3.04E-08	0.03	0.00014	1322
630024	4277311	6.1E-04	7.03E-09	1.98E-08	0.00E+00	2.69E-08	0.03	0.00012	1323
630024	4277261	5.4E-04	6.26E-09	1.77E-08	0.00E+00	2.39E-08	0.02	0.00011	1324
630024	4277211	4.9E-04	5.61E-09	1.58E-08	0.00E+00	2.14E-08	0.02	0.00010	1325
630024	4277161	4.4E-04	5.07E-09	1.43E-08	0.00E+00	1.94E-08	0.02	0.00009	1326

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
630024	4277111	4.0E-04	4.61E-09	1.30E-08	0.00E+00	1.76E-08	0.02	0.00008	1327
630024	4277061	3.7E-04	4.22E-09	1.19E-08	0.00E+00	1.61E-08	0.02	0.00007	1328
630024	4277011	3.4E-04	3.89E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1329
630024	4276961	3.1E-04	3.60E-09	1.01E-08	0.00E+00	1.37E-08	0.01	0.00006	1330
629974	4277611	1.2E-03	1.40E-08	3.94E-08	0.00E+00	5.33E-08	0.05	0.00024	1331
629974	4277561	1.1E-03	1.22E-08	3.44E-08	0.00E+00	4.66E-08	0.05	0.00021	1332
629974	4277511	9.2E-04	1.06E-08	2.99E-08	0.00E+00	4.05E-08	0.04	0.00018	1333
629974	4277461	8.0E-04	9.27E-09	2.61E-08	0.00E+00	3.54E-08	0.04	0.00016	1334
629974	4277411	7.1E-04	8.16E-09	2.30E-08	0.00E+00	3.12E-08	0.03	0.00014	1335
629974	4277361	6.3E-04	7.22E-09	2.04E-08	0.00E+00	2.76E-08	0.03	0.00013	1336
629974	4277311	5.6E-04	6.43E-09	1.81E-08	0.00E+00	2.46E-08	0.02	0.00011	1337
629974	4277261	5.0E-04	5.76E-09	1.63E-08	0.00E+00	2.20E-08	0.02	0.00010	1338
629974	4277211	4.5E-04	5.20E-09	1.47E-08	0.00E+00	1.98E-08	0.02	0.00009	1339
629974	4277161	4.1E-04	4.71E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.00008	1340
629974	4277111	3.7E-04	4.29E-09	1.21E-08	0.00E+00	1.64E-08	0.02	0.00007	1341
629974	4277061	3.4E-04	3.94E-09	1.11E-08	0.00E+00	1.51E-08	0.02	0.00007	1342
629974	4277011	3.2E-04	3.64E-09	1.03E-08	0.00E+00	1.39E-08	0.01	0.00006	1343
629974	4276961	2.9E-04	3.37E-09	9.50E-09	0.00E+00	1.29E-08	0.01	0.00006	1344
629974	4276911	2.7E-04	3.14E-09	8.84E-09	0.00E+00	1.20E-08	0.01	0.00005	1345
629924	4277611	9.9E-04	1.14E-08	3.21E-08	0.00E+00	4.35E-08	0.04	0.00020	1346
629924	4277561	8.9E-04	1.03E-08	2.91E-08	0.00E+00	3.94E-08	0.04	0.00018	1347
629924	4277511	8.0E-04	9.20E-09	2.59E-08	0.00E+00	3.51E-08	0.04	0.00016	1348
629924	4277461	7.1E-04	8.19E-09	2.31E-08	0.00E+00	3.13E-08	0.03	0.00014	1349
629924	4277411	6.3E-04	7.31E-09	2.06E-08	0.00E+00	2.79E-08	0.03	0.00013	1350
629924	4277361	5.7E-04	6.56E-09	1.85E-08	0.00E+00	2.51E-08	0.03	0.00011	1351
629924	4277311	5.1E-04	5.91E-09	1.67E-08	0.00E+00	2.26E-08	0.02	0.00010	1352
629924	4277261	4.6E-04	5.34E-09	1.51E-08	0.00E+00	2.04E-08	0.02	0.00009	1353
629924	4277211	4.2E-04	4.85E-09	1.37E-08	0.00E+00	1.85E-08	0.02	0.00008	1354
629924	4277161	3.8E-04	4.42E-09	1.25E-08	0.00E+00	1.69E-08	0.02	0.00008	1355
629924	4277111	3.5E-04	4.04E-09	1.14E-08	0.00E+00	1.54E-08	0.02	0.00007	1356
629924	4277061	3.2E-04	3.71E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.00006	1357
629924	4277011	3.0E-04	3.43E-09	9.68E-09	0.00E+00	1.31E-08	0.01	0.00006	1358
629924	4276961	2.8E-04	3.18E-09	8.96E-09	0.00E+00	1.21E-08	0.01	0.00006	1359
629924	4276911	2.6E-04	2.97E-09	8.37E-09	0.00E+00	1.13E-08	0.01	0.00005	1360
629874	4277611	8.1E-04	9.33E-09	2.63E-08	0.00E+00	3.56E-08	0.04	0.00016	1361
629874	4277561	7.6E-04	8.71E-09	2.46E-08	0.00E+00	3.33E-08	0.03	0.00015	1362
629874	4277511	6.9E-04	7.98E-09	2.25E-08	0.00E+00	3.05E-08	0.03	0.00014	1363
629874	4277461	6.3E-04	7.23E-09	2.04E-08	0.00E+00	2.76E-08	0.03	0.00013	1364
629874	4277411	5.7E-04	6.55E-09	1.85E-08	0.00E+00	2.50E-08	0.03	0.00011	1365
629874	4277361	5.2E-04	5.94E-09	1.68E-08	0.00E+00	2.27E-08	0.02	0.00010	1366
629874	4277311	4.7E-04	5.42E-09	1.53E-08	0.00E+00	2.07E-08	0.02	0.00009	1367
629874	4277261	4.3E-04	4.95E-09	1.40E-08	0.00E+00	1.89E-08	0.02	0.00009	1368
629874	4277211	3.9E-04	4.53E-09	1.28E-08	0.00E+00	1.73E-08	0.02	0.00008	1369
629874	4277161	3.6E-04	4.16E-09	1.17E-08	0.00E+00	1.59E-08	0.02	0.00007	1370
629874	4277111	3.3E-04	3.82E-09	1.08E-08	0.00E+00	1.46E-08	0.01	0.00007	1371
629874	4277061	3.1E-04	3.53E-09	9.95E-09	0.00E+00	1.35E-08	0.01	0.00006	1372
629874	4277011	2.8E-04	3.27E-09	9.21E-09	0.00E+00	1.25E-08	0.01	0.00006	1373
629874	4276961	2.6E-04	3.04E-09	8.56E-09	0.00E+00	1.16E-08	0.01	0.00005	1374
629874	4276911	2.5E-04	2.83E-09	7.97E-09	0.00E+00	1.08E-08	0.01	0.00005	1375
629824	4277611	6.6E-04	7.64E-09	2.16E-08	0.00E+00	2.92E-08	0.03	0.00013	1376
629824	4277561	6.4E-04	7.35E-09	2.07E-08	0.00E+00	2.81E-08	0.03	0.00013	1377
629824	4277511	6.0E-04	6.91E-09	1.95E-08	0.00E+00	2.64E-08	0.03	0.00012	1378
629824	4277461	5.5E-04	6.37E-09	1.80E-08	0.00E+00	2.44E-08	0.02	0.00011	1379
629824	4277411	5.1E-04	5.85E-09	1.65E-08	0.00E+00	2.24E-08	0.02	0.00010	1380
629824	4277361	4.7E-04	5.36E-09	1.51E-08	0.00E+00	2.05E-08	0.02	0.00009	1381
629824	4277311	4.3E-04	4.94E-09	1.39E-08	0.00E+00	1.89E-08	0.02	0.00009	1382
629824	4277261	4.0E-04	4.55E-09	1.28E-08	0.00E+00	1.74E-08	0.02	0.00008	1383
629824	4277211	3.7E-04	4.21E-09	1.19E-08	0.00E+00	1.61E-08	0.02	0.00007	1384
629824	4277161	3.4E-04	3.90E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1385
629824	4277111	3.1E-04	3.61E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.00006	1386
629824	4277061	2.9E-04	3.35E-09	9.44E-09	0.00E+00	1.28E-08	0.01	0.00006	1387
629824	4277011	2.7E-04	3.12E-09	8.80E-09	0.00E+00	1.19E-08	0.01	0.00005	1388
629824	4276961	2.5E-04	2.91E-09	8.21E-09	0.00E+00	1.11E-08	0.01	0.00005	1389
629824	4276911	2.4E-04	2.72E-09	7.67E-09	0.00E+00	1.04E-08	0.01	0.00005	1390
629774	4277611	5.5E-04	6.34E-09	1.79E-08	0.00E+00	2.42E-08	0.02	0.00011	1391
629774	4277561	5.4E-04	6.23E-09	1.76E-08	0.00E+00	2.38E-08	0.02	0.00011	1392
629774	4277511	5.2E-04	5.99E-09	1.69E-08	0.00E+00	2.29E-08	0.02	0.00010	1393
629774	4277461	4.9E-04	5.64E-09	1.59E-08	0.00E+00	2.15E-08	0.02	0.00010	1394
629774	4277411	4.6E-04	5.25E-09	1.48E-08	0.00E+00	2.01E-08	0.02	0.00009	1395
629774	4277361	4.2E-04	4.87E-09	1.37E-08	0.00E+00	1.86E-08	0.02	0.00008	1396
629774	4277311	3.9E-04	4.51E-09	1.27E-08	0.00E+00	1.72E-08	0.02	0.00008	1397
629774	4277261	3.6E-04	4.20E-09	1.18E-08	0.00E+00	1.60E-08	0.02	0.00007	1398
629774	4277211	3.4E-04	3.91E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1399
629774	4277161	3.2E-04	3.65E-09	1.03E-08	0.00E+00	1.40E-08	0.01	0.00006	1400
629774	4277111	3.0E-04	3.41E-09	9.63E-09	0.00E+00	1.30E-08	0.01	0.00006	1401
629774	4277061	2.8E-04	3.18E-09	8.97E-09	0.00E+00	1.21E-08	0.01	0.00006	1402
629774	4277011	2.6E-04	2.97E-09	8.38E-09	0.00E+00	1.14E-08	0.01	0.00005	1403
629774	4276961	2.4E-04	2.78E-09	7.85E-09	0.00E+00	1.06E-08	0.01	0.00005	1404
629774	4276911	2.3E-04	2.62E-09	7.39E-09	0.00E+00	1.00E-08	0.01	0.00005	1405
629724	4277611	4.6E-04	5.33E-09	1.50E-08	0.00E+00	2.03E-08	0.02	0.00009	1406
629724	4277561	4.6E-04	5.31E-09	1.50E-08	0.00E+00	2.03E-08	0.02	0.00009	1407
629724	4277511	4.5E-04	5.21E-09	1.47E-08	0.00E+00	1.99E-08	0.02	0.00009	1408
629724	4277461	4.3E-04	5.00E-09	1.41E-08	0.00E+00	1.91E-08	0.02	0.00009	1409
629724	4277411	4.1E-04	4.74E-09	1.34E-08	0.00E+00	1.81E-08	0.02	0.00008	1410
629724	4277361	3.9E-04	4.44E-09	1.25E-08	0.00E+00	1.70E-08	0.02	0.00008	1411
629724	4277311	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.58E-08	0.02	0.00007	1412
629724	4277261	3.4E-04	3.88E-09	1.09E-08	0.00E+00	1.48E-08	0.01	0.00007	1413
629724	4277211	3.2E-04	3.63E-09	1.02E-08	0.00E+00	1.39E-08	0.01	0.00006	1414
629724	4277161	3.0E-04	3.41E-09	9.62E-09	0.00E+00	1.30E-08	0.01	0.00006	1415
629724	4277111	2.8E-04	3.21E-09	9.05E-09	0.00E+00	1.23E-08	0.01	0.00006	1416
629724	4277061	2.6E-04	3.02E-09	8.52E-09	0.00E+00	1.15E-08	0.01	0.00005	1417
629724	4277011	2.5E-04	2.84E-09	8.00E-09	0.00E+00	1.08E-08	0.01	0.00005	1418
629724	4276961	2.3E-04	2.67E-09	7.52E-09	0.00E+00	1.02E-08	0.01	0.00005	1419
629724	4276911	2.2E-04	2.52E-09	7.10E-09	0.00E+00	9.61E-09	0.01	0.00004	1420
629674	4277611	3.9E-04	4.52E-09	1.27E-08	0.00E+00	1.73E-08	0.02	0.00008	1421
629674	4277561	3.9E-04	4.54E-09	1.28E-08	0.00E+00	1.73E-08	0.02	0.00008	1422
629674	4277511	3.9E-04	4.52E-09	1.27E-08	0.00E+00	1.73E-08	0.02	0.00008	1423
629674	4277461	3.8E-04	4.42E-09	1.25E-08	0.00E+00	1.69E-08	0.02	0.00008	1424
629674	4277411	3.7E-04	4.25E-09	1.20E-08	0.00E+00	1.62E-08	0.02	0.00007	1425
629674	4277361	3.5E-04	4.04E-09	1.14E-08	0.00E+00	1.54E-08	0.02	0.00007	1426
629674	4277311	3.3E-04	3.80E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.00007	1427
629674	4277261	3.1E-04	3.58E-09	1.01E-08	0.00E+00	1.37E-08	0.01	0.00006	1428
629674	4277211	2.9E-04	3.37E-09	9.49E-09	0.00E+00	1.29E-08	0.01	0.00006	1429
629674	4277161	2.8E-04	3.18E-09	8.96E-09	0.00E+00	1.21E-08	0.01	0.00006	1430
629674	4277111	2.6E-04	3.01E-09	8.48E-09	0.00E+00	1.15E-08	0.01	0.00005	1431
629674	4277061	2.5E-04	2.85E-09	8.03E-09	0.00E+00	1.09E-08	0.01	0.00005	1432
629674	4277011	2.3E-04	2.69E-09	7.60E-09	0.00E+00	1.03E-08	0.01	0.00005	1433
629674	4276961	2.2E-04	2.55E-09	7.18E-09	0.00E+00	9.72E-09	0.01	0.00004	1434
629674	4276911	2.1E-04	2.41E-09	6.80E-09	0.00E+00	9.21E-09	0.01	0.00004	1435
629624	4277611	3.4E-04	3.90E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1436
629624	4277561	3.4E-04	3.92E-09	1.11E-08	0.00E+00	1.50E-08	0.01	0.00007	1437
629624	4277511	3.4E-04	3.94E-09	1.11E-08	0.00E+00	1.50E-08	0.02	0.00007	1438
629624	4277461	3.4E-04	3.91E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1439
629624	4277411	3.3E-04	3.83E-09	1.08E-08	0.00E+00	1.46E-08	0.01	0.00007	1440
629624	4277361	3.2E-04	3.68E-09	1.04E-08	0.00E+00	1.41E-08	0.01	0.00006	1441
629624	4277311	3.0E-04	3.51E-09	9.89E-09	0.00E+00	1.34E-08	0.01	0.00006	1442
629624	4277261	2.9E-04	3.32E-09	9.37E-09	0.00E+00	1.27E-08	0.01	0.00006	1443
629624	4277211	2.7E-04	3.14E-09	8.84E-09	0.00E+00	1.20E-08	0.01	0.00005	1444
629624	4277161	2.6E-04	2.97E-09	8.37E-09	0.00E+00	1.13E-08	0.01	0.00005	1445
629624	4277111	2.4E-04	2.82E-09	7.95E-09	0.00E+00	1.08E-08	0.01	0.00005	1446
629624	4277061	2.3E-04	2.68E-09	7.56E-09	0.00E+00	1.02E-08	0.01	0.00005	1447
629624	4277011	2.2E-04	2.55E-09	7.19E-09	0.00E+00	9.74E-09	0.01	0.00004	1448
629624	4276961	2.1E-04	2.42E-09	6.83E-09	0.00E+00	9.25E-09	0.01	0.00004	1449
629624	4276911	2.0E-04	2.31E-09	6.50E-09	0.00E+00	8.81E-09	0.01	0.00004	1450

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
629574	4277611	2.9E-04	3.40E-09	9.59E-09	0.00E+00	1.30E-08	0.01	0.00006	1451
629574	4277561	3.0E-04	3.42E-09	9.65E-09	0.00E+00	1.31E-08	0.01	0.00006	1452
629574	4277511	3.0E-04	3.46E-09	9.75E-09	0.00E+00	1.32E-08	0.01	0.00006	1453
629574	4277461	3.0E-04	3.47E-09	9.78E-09	0.00E+00	1.32E-08	0.01	0.00006	1454
629574	4277411	3.0E-04	3.43E-09	9.68E-09	0.00E+00	1.31E-08	0.01	0.00006	1455
629574	4277361	2.9E-04	3.34E-09	9.43E-09	0.00E+00	1.28E-08	0.01	0.00006	1456
629574	4277311	2.8E-04	3.22E-09	9.09E-09	0.00E+00	1.23E-08	0.01	0.00006	1457
629574	4277261	2.7E-04	3.08E-09	8.68E-09	0.00E+00	1.18E-08	0.01	0.00005	1458
629574	4277211	2.5E-04	2.92E-09	8.24E-09	0.00E+00	1.12E-08	0.01	0.00005	1459
629574	4277161	2.4E-04	2.78E-09	7.84E-09	0.00E+00	1.06E-08	0.01	0.00005	1460
629574	4277111	2.3E-04	2.65E-09	7.46E-09	0.00E+00	1.01E-08	0.01	0.00005	1461
629574	4277061	2.2E-04	2.52E-09	7.11E-09	0.00E+00	9.63E-09	0.01	0.00004	1462
629574	4277011	2.1E-04	2.41E-09	6.79E-09	0.00E+00	9.19E-09	0.01	0.00004	1463
629574	4276961	2.0E-04	2.30E-09	6.48E-09	0.00E+00	8.78E-09	0.01	0.00004	1464
629574	4276911	1.9E-04	2.19E-09	6.19E-09	0.00E+00	8.39E-09	0.01	0.00004	1465
629524	4277611	2.6E-04	3.01E-09	8.49E-09	0.00E+00	1.15E-08	0.01	0.00005	1466
629524	4277561	2.6E-04	3.01E-09	8.50E-09	0.00E+00	1.15E-08	0.01	0.00005	1467
629524	4277511	2.6E-04	3.05E-09	8.60E-09	0.00E+00	1.16E-08	0.01	0.00005	1468
629524	4277461	2.7E-04	3.07E-09	8.67E-09	0.00E+00	1.17E-08	0.01	0.00005	1469
629524	4277411	2.7E-04	3.07E-09	8.67E-09	0.00E+00	1.17E-08	0.01	0.00005	1470
629524	4277361	2.6E-04	3.04E-09	8.57E-09	0.00E+00	1.16E-08	0.01	0.00005	1471
629524	4277311	2.6E-04	2.96E-09	8.35E-09	0.00E+00	1.13E-08	0.01	0.00005	1472
629524	4277261	2.5E-04	2.86E-09	8.06E-09	0.00E+00	1.09E-08	0.01	0.00005	1473
629524	4277211	2.4E-04	2.74E-09	7.71E-09	0.00E+00	1.05E-08	0.01	0.00005	1474
629524	4277161	2.3E-04	2.61E-09	7.37E-09	0.00E+00	9.98E-09	0.01	0.00005	1475
629524	4277111	2.2E-04	2.49E-09	7.03E-09	0.00E+00	9.52E-09	0.01	0.00004	1476
629524	4277061	2.1E-04	2.38E-09	6.71E-09	0.00E+00	9.08E-09	0.01	0.00004	1477
629524	4277011	2.0E-04	2.27E-09	6.42E-09	0.00E+00	8.69E-09	0.01	0.00004	1478
629524	4276961	1.9E-04	2.18E-09	6.14E-09	0.00E+00	8.32E-09	0.01	0.00004	1479
629524	4276911	1.8E-04	2.09E-09	5.88E-09	0.00E+00	7.97E-09	0.01	0.00004	1480
629474	4277611	2.3E-04	2.69E-09	7.59E-09	0.00E+00	1.03E-08	0.01	0.00005	1481
629474	4277561	2.3E-04	2.68E-09	7.57E-09	0.00E+00	1.03E-08	0.01	0.00005	1482
629474	4277511	2.3E-04	2.71E-09	7.64E-09	0.00E+00	1.03E-08	0.01	0.00005	1483
629474	4277461	2.4E-04	2.75E-09	7.74E-09	0.00E+00	1.05E-08	0.01	0.00005	1484
629474	4277411	2.4E-04	2.76E-09	7.80E-09	0.00E+00	1.06E-08	0.01	0.00005	1485
629474	4277361	2.4E-04	2.76E-09	7.78E-09	0.00E+00	1.05E-08	0.01	0.00005	1486
629474	4277311	2.4E-04	2.72E-09	7.66E-09	0.00E+00	1.04E-08	0.01	0.00005	1487
629474	4277261	2.3E-04	2.65E-09	7.47E-09	0.00E+00	1.01E-08	0.01	0.00005	1488
629474	4277211	2.2E-04	2.56E-09	7.21E-09	0.00E+00	9.77E-09	0.01	0.00004	1489
629474	4277161	2.1E-04	2.46E-09	6.93E-09	0.00E+00	9.38E-09	0.01	0.00004	1490
629474	4277111	2.0E-04	2.35E-09	6.63E-09	0.00E+00	8.98E-09	0.01	0.00004	1491
629474	4277061	2.0E-04	2.25E-09	6.34E-09	0.00E+00	8.59E-09	0.01	0.00004	1492
629474	4277011	1.9E-04	2.15E-09	6.08E-09	0.00E+00	8.23E-09	0.01	0.00004	1493
629474	4276961	1.8E-04	2.07E-09	5.83E-09	0.00E+00	7.90E-09	0.01	0.00004	1494
629474	4276911	1.7E-04	1.99E-09	5.60E-09	0.00E+00	7.59E-09	0.01	0.00003	1495
629424	4277611	2.1E-04	2.43E-09	6.84E-09	0.00E+00	9.27E-09	0.01	0.00004	1496
629424	4277561	2.1E-04	2.41E-09	6.81E-09	0.00E+00	9.22E-09	0.01	0.00004	1497
629424	4277511	2.1E-04	2.43E-09	6.85E-09	0.00E+00	9.28E-09	0.01	0.00004	1498
629424	4277461	2.1E-04	2.46E-09	6.94E-09	0.00E+00	9.40E-09	0.01	0.00004	1499
629424	4277411	2.2E-04	2.49E-09	7.02E-09	0.00E+00	9.52E-09	0.01	0.00004	1500
629424	4277361	2.2E-04	2.50E-09	7.06E-09	0.00E+00	9.57E-09	0.01	0.00004	1501
629424	4277311	2.2E-04	2.49E-09	7.03E-09	0.00E+00	9.52E-09	0.01	0.00004	1502
629424	4277261	2.1E-04	2.45E-09	6.92E-09	0.00E+00	9.37E-09	0.01	0.00004	1503
629424	4277211	2.1E-04	2.39E-09	6.74E-09	0.00E+00	9.13E-09	0.01	0.00004	1504
629424	4277161	2.0E-04	2.31E-09	6.51E-09	0.00E+00	8.82E-09	0.01	0.00004	1505
629424	4277111	1.9E-04	2.22E-09	6.27E-09	0.00E+00	8.49E-09	0.01	0.00004	1506
629424	4277061	1.8E-04	2.13E-09	6.01E-09	0.00E+00	8.14E-09	0.01	0.00004	1507
629424	4277011	1.8E-04	2.04E-09	5.76E-09	0.00E+00	7.81E-09	0.01	0.00004	1508
629424	4276961	1.7E-04	1.97E-09	5.54E-09	0.00E+00	7.51E-09	0.01	0.00003	1509
629424	4276911	1.6E-04	1.89E-09	5.34E-09	0.00E+00	7.23E-09	0.01	0.00003	1510
629374	4277611	1.9E-04	2.21E-09	6.23E-09	0.00E+00	8.44E-09	0.01	0.00004	1511
629374	4277561	1.9E-04	2.19E-09	6.16E-09	0.00E+00	8.35E-09	0.01	0.00004	1512
629374	4277511	1.9E-04	2.19E-09	6.18E-09	0.00E+00	8.38E-09	0.01	0.00004	1513
629374	4277461	1.9E-04	2.22E-09	6.26E-09	0.00E+00	8.48E-09	0.01	0.00004	1514
629374	4277411	2.0E-04	2.25E-09	6.36E-09	0.00E+00	8.61E-09	0.01	0.00004	1515
629374	4277361	2.0E-04	2.28E-09	6.43E-09	0.00E+00	8.71E-09	0.01	0.00004	1516
629374	4277311	2.0E-04	2.28E-09	6.44E-09	0.00E+00	8.72E-09	0.01	0.00004	1517
629374	4277261	2.0E-04	2.27E-09	6.40E-09	0.00E+00	8.67E-09	0.01	0.00004	1518
629374	4277211	1.9E-04	2.23E-09	6.29E-09	0.00E+00	8.51E-09	0.01	0.00004	1519
629374	4277161	1.9E-04	2.17E-09	6.12E-09	0.00E+00	8.30E-09	0.01	0.00004	1520
629374	4277111	1.8E-04	2.10E-09	5.92E-09	0.00E+00	8.02E-09	0.01	0.00004	1521
629374	4277061	1.8E-04	2.02E-09	5.71E-09	0.00E+00	7.73E-09	0.01	0.00004	1522
629374	4277011	1.7E-04	1.95E-09	5.49E-09	0.00E+00	7.44E-09	0.01	0.00003	1523
629374	4276961	1.6E-04	1.87E-09	5.28E-09	0.00E+00	7.16E-09	0.01	0.00003	1524
629374	4276911	1.6E-04	1.80E-09	5.09E-09	0.00E+00	6.89E-09	0.01	0.00003	1525
629324	4277611	1.8E-04	2.02E-09	5.71E-09	0.00E+00	7.73E-09	0.01	0.00004	1526
629324	4277561	1.7E-04	1.99E-09	5.62E-09	0.00E+00	7.62E-09	0.01	0.00003	1527
629324	4277511	1.7E-04	1.99E-09	5.62E-09	0.00E+00	7.61E-09	0.01	0.00003	1528
629324	4277461	1.7E-04	2.01E-09	5.68E-09	0.00E+00	7.69E-09	0.01	0.00003	1529
629324	4277411	1.8E-04	2.05E-09	5.77E-09	0.00E+00	7.82E-09	0.01	0.00004	1530
629324	4277361	1.8E-04	2.08E-09	5.86E-09	0.00E+00	7.93E-09	0.01	0.00004	1531
629324	4277311	1.8E-04	2.09E-09	5.91E-09	0.00E+00	8.00E-09	0.01	0.00004	1532
629324	4277261	1.8E-04	2.10E-09	5.91E-09	0.00E+00	8.00E-09	0.01	0.00004	1533
629324	4277211	1.8E-04	2.08E-09	5.86E-09	0.00E+00	7.93E-09	0.01	0.00004	1534
629324	4277161	1.8E-04	2.04E-09	5.75E-09	0.00E+00	7.79E-09	0.01	0.00004	1535
629324	4277111	1.7E-04	1.99E-09	5.60E-09	0.00E+00	7.59E-09	0.01	0.00003	1536
629324	4277061	1.7E-04	1.92E-09	5.43E-09	0.00E+00	7.35E-09	0.01	0.00003	1537
629324	4277011	1.6E-04	1.86E-09	5.24E-09	0.00E+00	7.09E-09	0.01	0.00003	1538
629324	4276961	1.6E-04	1.79E-09	5.05E-09	0.00E+00	6.84E-09	0.01	0.00003	1539
629324	4276911	1.5E-04	1.73E-09	4.87E-09	0.00E+00	6.59E-09	0.01	0.00003	1540
629274	4277611	1.6E-04	1.87E-09	5.27E-09	0.00E+00	7.14E-09	0.01	0.00003	1541
629274	4277561	1.6E-04	1.84E-09	5.18E-09	0.00E+00	7.01E-09	0.01	0.00003	1542
629274	4277511	1.6E-04	1.83E-09	5.15E-09	0.00E+00	6.98E-09	0.01	0.00003	1543
629274	4277461	1.6E-04	1.84E-09	5.19E-09	0.00E+00	7.03E-09	0.01	0.00003	1544
629274	4277411	1.6E-04	1.87E-09	5.27E-09	0.00E+00	7.13E-09	0.01	0.00003	1545
629274	4277361	1.6E-04	1.90E-09	5.35E-09	0.00E+00	7.25E-09	0.01	0.00003	1546
629274	4277311	1.7E-04	1.92E-09	5.42E-09	0.00E+00	7.35E-09	0.01	0.00003	1547
629274	4277261	1.7E-04	1.94E-09	5.46E-09	0.00E+00	7.40E-09	0.01	0.00003	1548
629274	4277211	1.7E-04	1.93E-09	5.46E-09	0.00E+00	7.39E-09	0.01	0.00003	1549
629274	4277161	1.7E-04	1.91E-09	5.40E-09	0.00E+00	7.31E-09	0.01	0.00003	1550
629274	4277111	1.6E-04	1.88E-09	5.30E-09	0.00E+00	7.17E-09	0.01	0.00003	1551
629274	4277061	1.6E-04	1.83E-09	5.16E-09	0.00E+00	6.99E-09	0.01	0.00003	1552
629274	4277011	1.5E-04	1.77E-09	5.00E-09	0.00E+00	6.77E-09	0.01	0.00003	1553
629274	4276961	1.5E-04	1.72E-09	4.84E-09	0.00E+00	6.55E-09	0.01	0.00003	1554
629274	4276911	1.4E-04	1.65E-09	4.67E-09	0.00E+00	6.32E-09	0.01	0.00003	1555
629974	4277661	1.4E-03	1.57E-08	4.42E-08	0.00E+00	5.99E-08	0.06	0.00027	1556
629974	4277711	1.5E-03	1.70E-08	4.79E-08	0.00E+00	6.49E-08	0.06	0.00029	1557
629974	4277811	1.6E-03	1.82E-08	5.13E-08	0.00E+00	6.95E-08	0.07	0.00032	1558
629974	4277861	1.6E-03	1.86E-08	5.25E-08	0.00E+00	7.11E-08	0.07	0.00032	1559
629974	4277911	1.6E-03	1.80E-08	5.08E-08	0.00E+00	6.88E-08	0.07	0.00031	1560
629974	4277961	1.5E-03	1.72E-08	4.84E-08	0.00E+00	6.55E-08	0.07	0.00030	1561
629974	4278011	1.5E-03	1.70E-08	4.80E-08	0.00E+00	6.50E-08	0.07	0.00030	1562
629974	4278061	1.5E-03	1.77E-08	5.00E-08	0.00E+00	6.77E-08	0.07	0.00031	1563
629974	4278111	1.6E-03	1.88E-08	5.29E-08	0.00E+00	7.17E-08	0.07	0.00033	1564
629974	4278161	1.7E-03	1.97E-08	5.55E-08	0.00E+00	7.52E-08	0.08	0.00034	1565
629974	4278211	1.8E-03	2.03E-08	5.72E-08	0.00E+00	7.75E-08	0.08	0.00035	1566
629974	4278261	1.8E-03	2.05E-08	5.78E-08	0.00E+00	7.83E-08	0.08	0.00036	1567
629974	4278311	1.7E-03	2.01E-08	5.68E-08	0.00E+00	7.69E-08	0.08	0.00035	1568
629974	4278361	1.7E-03	1.93E-08	5.45E-08	0.00E+00	7.39E-08	0.07	0.00034	1569
629974	4278411	1.6E-03	1.83E-08	5.15E-08	0.00E+00	6.98E-08	0.07	0.00032	1570
629974	4278461	1.5E-03	1.70E-08	4.81E-08	0.00E+00	6.51E-08	0.07	0.00030	1571
629974	4278511	1.4E-03	1.58E-08	4.45E-08	0.00E+00	6.03E-08	0.06	0.00027	1572
629974	4278561	1.3E-03	1.45E-08	4.10E-08	0.00E+00	5.56E-08	0.06	0.00025	1573
629974	4278611	1.2E-03	1.34E-08	3.77E-08	0.00E+00	5.10E-08	0.05	0.00023	1574

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
629974	4278711	9.8E-04	1.13E-08	3.18E-08	0.00E+00	4.30E-08	0.04	0.00020	1575
629974	4278761	9.0E-04	1.04E-08	2.92E-08	0.00E+00	3.96E-08	0.04	0.00018	1576
629974	4278811	8.3E-04	9.55E-09	2.69E-08	0.00E+00	3.65E-08	0.04	0.00017	1577
629974	4278861	7.6E-04	8.82E-09	2.49E-08	0.00E+00	3.37E-08	0.03	0.00015	1578
629974	4278911	7.1E-04	8.15E-09	2.30E-08	0.00E+00	3.11E-08	0.03	0.00014	1579
629924	4277661	1.1E-03	1.23E-08	3.46E-08	0.00E+00	4.69E-08	0.05	0.00021	1580
629924	4277711	1.1E-03	1.28E-08	3.61E-08	0.00E+00	4.89E-08	0.05	0.00022	1581
629924	4277761	1.1E-03	1.31E-08	3.70E-08	0.00E+00	5.02E-08	0.05	0.00023	1582
629924	4277861	1.2E-03	1.36E-08	3.85E-08	0.00E+00	5.21E-08	0.05	0.00024	1583
629924	4277911	1.1E-03	1.32E-08	3.71E-08	0.00E+00	5.03E-08	0.05	0.00023	1584
629924	4277961	1.1E-03	1.24E-08	3.50E-08	0.00E+00	4.75E-08	0.05	0.00022	1585
629924	4278011	1.1E-03	1.21E-08	3.42E-08	0.00E+00	4.64E-08	0.05	0.00021	1586
629924	4278061	1.1E-03	1.24E-08	3.51E-08	0.00E+00	4.75E-08	0.05	0.00022	1587
629924	4278111	1.1E-03	1.30E-08	3.67E-08	0.00E+00	4.98E-08	0.05	0.00023	1588
629924	4278161	1.2E-03	1.37E-08	3.86E-08	0.00E+00	5.23E-08	0.05	0.00024	1589
629924	4278211	1.2E-03	1.43E-08	4.02E-08	0.00E+00	5.45E-08	0.05	0.00025	1590
629924	4278261	1.3E-03	1.47E-08	4.14E-08	0.00E+00	5.60E-08	0.06	0.00025	1591
629924	4278311	1.3E-03	1.48E-08	4.19E-08	0.00E+00	5.67E-08	0.06	0.00026	1592
629924	4278361	1.3E-03	1.47E-08	4.15E-08	0.00E+00	5.63E-08	0.06	0.00026	1593
629924	4278411	1.2E-03	1.44E-08	4.05E-08	0.00E+00	5.49E-08	0.05	0.00025	1594
629924	4278461	1.2E-03	1.38E-08	3.89E-08	0.00E+00	5.27E-08	0.05	0.00024	1595
629924	4278511	1.1E-03	1.31E-08	3.70E-08	0.00E+00	5.01E-08	0.05	0.00023	1596
629924	4278561	1.1E-03	1.24E-08	3.49E-08	0.00E+00	4.73E-08	0.05	0.00021	1597
629924	4278611	1.0E-03	1.16E-08	3.27E-08	0.00E+00	4.43E-08	0.04	0.00020	1598
629924	4278711	8.7E-04	1.01E-08	2.84E-08	0.00E+00	3.85E-08	0.04	0.00017	1599
629924	4278761	8.1E-04	9.37E-09	2.64E-08	0.00E+00	3.58E-08	0.04	0.00016	1600
629924	4278811	7.6E-04	8.72E-09	2.46E-08	0.00E+00	3.33E-08	0.03	0.00015	1601
629924	4278861	7.0E-04	8.12E-09	2.29E-08	0.00E+00	3.10E-08	0.03	0.00014	1602
629924	4278911	6.6E-04	7.57E-09	2.14E-08	0.00E+00	2.89E-08	0.03	0.00013	1603
629874	4277661	8.4E-04	9.71E-09	2.74E-08	0.00E+00	3.71E-08	0.04	0.00017	1604
629874	4277711	8.6E-04	9.90E-09	2.79E-08	0.00E+00	3.78E-08	0.04	0.00017	1605
629874	4277761	8.8E-04	1.01E-08	2.84E-08	0.00E+00	3.85E-08	0.04	0.00018	1606
629874	4277811	9.0E-04	1.03E-08	2.91E-08	0.00E+00	3.95E-08	0.04	0.00018	1607
629874	4277961	8.2E-04	9.46E-09	2.67E-08	0.00E+00	3.62E-08	0.04	0.00016	1608
629874	4278011	7.9E-04	9.15E-09	2.58E-08	0.00E+00	3.49E-08	0.03	0.00016	1609
629874	4278061	8.0E-04	9.25E-09	2.61E-08	0.00E+00	3.53E-08	0.04	0.00016	1610
629874	4278111	8.3E-04	9.58E-09	2.70E-08	0.00E+00	3.66E-08	0.04	0.00017	1611
629874	4278161	8.7E-04	1.00E-08	2.83E-08	0.00E+00	3.83E-08	0.04	0.00017	1612
629874	4278211	9.1E-04	1.05E-08	2.95E-08	0.00E+00	3.99E-08	0.04	0.00018	1613
629874	4278261	9.4E-04	1.08E-08	3.05E-08	0.00E+00	4.13E-08	0.04	0.00019	1614
629874	4278311	9.6E-04	1.11E-08	3.13E-08	0.00E+00	4.23E-08	0.04	0.00019	1615
629874	4278361	9.7E-04	1.12E-08	3.17E-08	0.00E+00	4.29E-08	0.04	0.00019	1616
629874	4278411	9.7E-04	1.12E-08	3.16E-08	0.00E+00	4.28E-08	0.04	0.00019	1617
629874	4278461	9.6E-04	1.11E-08	3.12E-08	0.00E+00	4.23E-08	0.04	0.00019	1618
629874	4278511	9.3E-04	1.08E-08	3.04E-08	0.00E+00	4.12E-08	0.04	0.00019	1619
629874	4278561	9.0E-04	1.04E-08	2.93E-08	0.00E+00	3.97E-08	0.04	0.00018	1620
629874	4278611	8.6E-04	9.90E-09	2.79E-08	0.00E+00	3.78E-08	0.04	0.00017	1621
629874	4278711	7.7E-04	8.90E-09	2.51E-08	0.00E+00	3.40E-08	0.03	0.00015	1622
629874	4278761	7.3E-04	8.39E-09	2.37E-08	0.00E+00	3.21E-08	0.03	0.00015	1623
629874	4278811	6.9E-04	7.90E-09	2.23E-08	0.00E+00	3.02E-08	0.03	0.00014	1624
629874	4278861	6.4E-04	7.42E-09	2.09E-08	0.00E+00	2.84E-08	0.03	0.00013	1625
629874	4278911	6.1E-04	6.98E-09	1.97E-08	0.00E+00	2.67E-08	0.03	0.00012	1626
629824	4277661	6.7E-04	7.77E-09	2.19E-08	0.00E+00	2.97E-08	0.03	0.00013	1627
629824	4277711	6.8E-04	7.84E-09	2.21E-08	0.00E+00	3.00E-08	0.03	0.00014	1628
629824	4277761	7.0E-04	8.04E-09	2.27E-08	0.00E+00	3.07E-08	0.03	0.00014	1629
629824	4277811	7.2E-04	8.24E-09	2.32E-08	0.00E+00	3.15E-08	0.03	0.00014	1630
629824	4277861	7.2E-04	8.26E-09	2.33E-08	0.00E+00	3.15E-08	0.03	0.00014	1631
629824	4277911	6.9E-04	7.95E-09	2.24E-08	0.00E+00	3.04E-08	0.03	0.00014	1632
629824	4278061	6.2E-04	7.17E-09	2.02E-08	0.00E+00	2.74E-08	0.03	0.00012	1633
629824	4278111	6.4E-04	7.38E-09	2.08E-08	0.00E+00	2.82E-08	0.03	0.00013	1634
629824	4278161	6.7E-04	7.67E-09	2.16E-08	0.00E+00	2.93E-08	0.03	0.00013	1635
629824	4278211	6.9E-04	7.98E-09	2.25E-08	0.00E+00	3.05E-08	0.03	0.00014	1636
629824	4278261	7.2E-04	8.26E-09	2.33E-08	0.00E+00	3.16E-08	0.03	0.00014	1637
629824	4278311	7.4E-04	8.52E-09	2.40E-08	0.00E+00	3.25E-08	0.03	0.00015	1638
629824	4278361	7.6E-04	8.72E-09	2.46E-08	0.00E+00	3.33E-08	0.03	0.00015	1639
629824	4278411	7.7E-04	8.83E-09	2.49E-08	0.00E+00	3.37E-08	0.03	0.00015	1640
629824	4278461	7.7E-04	8.86E-09	2.50E-08	0.00E+00	3.38E-08	0.03	0.00015	1641
629824	4278511	7.6E-04	8.79E-09	2.48E-08	0.00E+00	3.36E-08	0.03	0.00015	1642
629824	4278561	7.5E-04	8.63E-09	2.43E-08	0.00E+00	3.30E-08	0.03	0.00015	1643
629824	4278611	7.3E-04	8.39E-09	2.37E-08	0.00E+00	3.21E-08	0.03	0.00015	1644
629824	4278711	6.8E-04	7.79E-09	2.20E-08	0.00E+00	2.98E-08	0.03	0.00014	1645
629824	4278761	6.5E-04	7.45E-09	2.10E-08	0.00E+00	2.85E-08	0.03	0.00013	1646
629824	4278811	6.2E-04	7.09E-09	2.00E-08	0.00E+00	2.71E-08	0.03	0.00012	1647
629824	4278861	5.8E-04	6.74E-09	1.90E-08	0.00E+00	2.57E-08	0.03	0.00012	1648
629824	4278911	5.5E-04	6.39E-09	1.80E-08	0.00E+00	2.44E-08	0.02	0.00011	1649
629774	4277661	5.5E-04	6.38E-09	1.80E-08	0.00E+00	2.44E-08	0.02	0.00011	1650
629774	4277711	5.6E-04	6.42E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.00011	1651
629774	4277761	5.7E-04	6.59E-09	1.86E-08	0.00E+00	2.52E-08	0.03	0.00011	1652
629774	4277811	5.9E-04	6.76E-09	1.91E-08	0.00E+00	2.58E-08	0.03	0.00012	1653
629774	4277861	5.8E-04	6.74E-09	1.90E-08	0.00E+00	2.58E-08	0.03	0.00012	1654
629774	4277911	5.6E-04	6.47E-09	1.83E-08	0.00E+00	2.47E-08	0.02	0.00011	1655
629774	4277961	5.3E-04	6.08E-09	1.71E-08	0.00E+00	2.32E-08	0.02	0.00011	1656
629774	4278011	5.0E-04	5.81E-09	1.64E-08	0.00E+00	2.22E-08	0.02	0.00010	1657
629774	4278861	5.3E-04	6.06E-09	1.71E-08	0.00E+00	2.31E-08	0.02	0.00011	1658
629774	4278911	5.0E-04	5.80E-09	1.64E-08	0.00E+00	2.22E-08	0.02	0.00010	1659
629724	4277661	4.6E-04	5.33E-09	1.50E-08	0.00E+00	2.04E-08	0.02	0.00009	1660
629724	4277711	4.7E-04	5.39E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.00009	1661
629724	4277761	4.8E-04	5.54E-09	1.56E-08	0.00E+00	2.12E-08	0.02	0.00010	1662
629724	4277811	4.9E-04	5.67E-09	1.60E-08	0.00E+00	2.17E-08	0.02	0.00010	1663
629724	4277861	4.9E-04	5.63E-09	1.59E-08	0.00E+00	2.15E-08	0.02	0.00010	1664
629724	4277911	4.7E-04	5.39E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.00009	1665
629724	4277961	4.4E-04	5.06E-09	1.43E-08	0.00E+00	1.93E-08	0.02	0.00009	1666
629724	4278011	4.2E-04	4.81E-09	1.36E-08	0.00E+00	1.84E-08	0.02	0.00008	1667
629724	4278061	4.1E-04	4.73E-09	1.33E-08	0.00E+00	1.81E-08	0.02	0.00008	1668
629724	4278111	4.2E-04	4.80E-09	1.35E-08	0.00E+00	1.83E-08	0.02	0.00008	1669
629724	4278161	4.3E-04	4.95E-09	1.40E-08	0.00E+00	1.89E-08	0.02	0.00009	1670
629724	4278211	4.4E-04	5.12E-09	1.45E-08	0.00E+00	1.96E-08	0.02	0.00009	1671
629724	4278261	4.6E-04	5.29E-09	1.49E-08	0.00E+00	2.02E-08	0.02	0.00009	1672
629724	4278311	4.7E-04	5.45E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.00009	1673
629724	4278361	4.9E-04	5.59E-09	1.58E-08	0.00E+00	2.14E-08	0.02	0.00010	1674
629724	4278411	5.0E-04	5.72E-09	1.61E-08	0.00E+00	2.19E-08	0.02	0.00010	1675
629724	4278461	5.1E-04	5.83E-09	1.65E-08	0.00E+00	2.23E-08	0.02	0.00010	1676
629724	4278511	5.1E-04	5.91E-09	1.67E-08	0.00E+00	2.26E-08	0.02	0.00010	1677
629724	4278561	5.2E-04	5.96E-09	1.68E-08	0.00E+00	2.28E-08	0.02	0.00010	1678
629724	4278611	5.2E-04	5.96E-09	1.68E-08	0.00E+00	2.28E-08	0.02	0.00010	1679
629724	4278711	5.1E-04	5.83E-09	1.65E-08	0.00E+00	2.23E-08	0.02	0.00010	1680
629724	4278761	5.0E-04	5.72E-09	1.61E-08	0.00E+00	2.18E-08	0.02	0.00010	1681
629724	4278811	4.8E-04	5.58E-09	1.57E-08	0.00E+00	2.13E-08	0.02	0.00010	1682
629674	4277661	3.9E-04	4.53E-09	1.28E-08	0.00E+00	1.73E-08	0.02	0.00008	1683
629674	4277711	4.0E-04	4.59E-09	1.30E-08	0.00E+00	1.75E-08	0.02	0.00008	1684
629674	4277761	4.1E-04	4.72E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.00008	1685
629674	4277811	4.2E-04	4.83E-09	1.36E-08	0.00E+00	1.84E-08	0.02	0.00008	1686
629674	4277861	4.2E-04	4.79E-09	1.35E-08	0.00E+00	1.83E-08	0.02	0.00008	1687
629674	4277911	4.0E-04	4.58E-09	1.29E-08	0.00E+00	1.75E-08	0.02	0.00008	1688
629674	4277961	3.7E-04	4.30E-09	1.21E-08	0.00E+00	1.64E-08	0.02	0.00007	1689
629674	4278011	3.5E-04	4.09E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.00007	1690
629674	4278061	3.5E-04	3.99E-09	1.12E-08	0.00E+00	1.52E-08	0.02	0.00007	1691
629674	4278111	3.5E-04	4.01E-09	1.13E-08	0.00E+00	1.53E-08	0.02	0.00007	1692
629674	4278161	3.6E-04	4.11E-09	1.16E-08	0.00E+00	1.57E-08	0.02	0.00007	1693
629674	4278211	3.7E-04	4.25E-09	1.20E-08	0.00E+00	1.62E-08	0.02	0.00007	1694
629674	4278261	3.8E-04	4.39E-09	1.24E-08	0.00E+00	1.68E-08	0.02	0.00008	1695
629674	4278311	3.9E-04	4.52E-09	1.27E-08	0.00E+00	1.73E-08	0.02	0.00008	1696
629674	4278361	4.0E-04	4.63E-09	1.31E-08	0.00E+00	1.77E-08	0.02	0.00008	1697
629674	4278411	4.1E-04	4.73E-09	1.33E-08	0.00E+00	1.81E-08	0.02	0.00008	1698

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
629674	4278461	4.2E-04	4.82E-09	1.36E-08	0.00E+00	1.84E-08	0.02	0.00008	1699
629674	4278511	4.3E-04	4.92E-09	1.39E-08	0.00E+00	1.88E-08	0.02	0.00009	1700
629674	4278561	4.3E-04	4.98E-09	1.41E-08	0.00E+00	1.90E-08	0.02	0.00009	1701
629674	4278611	4.4E-04	5.03E-09	1.42E-08	0.00E+00	1.92E-08	0.02	0.00009	1702
629674	4278711	4.3E-04	5.01E-09	1.41E-08	0.00E+00	1.91E-08	0.02	0.00009	1703
629674	4278761	4.3E-04	4.97E-09	1.40E-08	0.00E+00	1.90E-08	0.02	0.00009	1704
629674	4278811	4.2E-04	4.89E-09	1.38E-08	0.00E+00	1.87E-08	0.02	0.00008	1705
629674	4278861	4.2E-04	4.80E-09	1.35E-08	0.00E+00	1.84E-08	0.02	0.00008	1706
629674	4278911	4.1E-04	4.69E-09	1.32E-08	0.00E+00	1.79E-08	0.02	0.00008	1707
629624	4277661	3.4E-04	3.91E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1708
629624	4277711	3.5E-04	3.99E-09	1.12E-08	0.00E+00	1.52E-08	0.02	0.00007	1709
629624	4277761	3.6E-04	4.11E-09	1.16E-08	0.00E+00	1.57E-08	0.02	0.00007	1710
629624	4277811	3.6E-04	4.19E-09	1.18E-08	0.00E+00	1.60E-08	0.02	0.00007	1711
629624	4277861	3.6E-04	4.13E-09	1.16E-08	0.00E+00	1.58E-08	0.02	0.00007	1712
629624	4277911	3.4E-04	3.95E-09	1.11E-08	0.00E+00	1.51E-08	0.02	0.00007	1713
629624	4277961	3.2E-04	3.72E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.00006	1714
629624	4278011	3.1E-04	3.53E-09	9.95E-09	0.00E+00	1.35E-08	0.01	0.00006	1715
629624	4278061	3.0E-04	3.42E-09	9.65E-09	0.00E+00	1.31E-08	0.01	0.00006	1716
629624	4278111	3.0E-04	3.41E-09	9.63E-09	0.00E+00	1.30E-08	0.01	0.00006	1717
629624	4278161	3.0E-04	3.48E-09	9.83E-09	0.00E+00	1.33E-08	0.01	0.00006	1718
629624	4278211	3.1E-04	3.59E-09	1.01E-08	0.00E+00	1.37E-08	0.01	0.00006	1719
629624	4278261	3.2E-04	3.71E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.00006	1720
629624	4278311	3.3E-04	3.81E-09	1.08E-08	0.00E+00	1.46E-08	0.01	0.00007	1721
629624	4278361	3.4E-04	3.91E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.00007	1722
629624	4278411	3.5E-04	4.00E-09	1.13E-08	0.00E+00	1.53E-08	0.02	0.00007	1723
629624	4278461	3.5E-04	4.07E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.00007	1724
629624	4278511	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.58E-08	0.02	0.00007	1725
629624	4278561	3.7E-04	4.22E-09	1.19E-08	0.00E+00	1.61E-08	0.02	0.00007	1726
629624	4278611	3.7E-04	4.27E-09	1.20E-08	0.00E+00	1.63E-08	0.02	0.00007	1727
629624	4278711	3.7E-04	4.32E-09	1.22E-08	0.00E+00	1.65E-08	0.02	0.00007	1728
629624	4278761	3.7E-04	4.31E-09	1.22E-08	0.00E+00	1.65E-08	0.02	0.00007	1729
629624	4278811	3.7E-04	4.29E-09	1.21E-08	0.00E+00	1.64E-08	0.02	0.00007	1730
629624	4278861	3.7E-04	4.25E-09	1.20E-08	0.00E+00	1.62E-08	0.02	0.00007	1731
629624	4278911	3.6E-04	4.19E-09	1.18E-08	0.00E+00	1.60E-08	0.02	0.00007	1732
629574	4277661	3.0E-04	3.43E-09	9.66E-09	0.00E+00	1.31E-08	0.01	0.00006	1733
629574	4277711	3.1E-04	3.52E-09	9.92E-09	0.00E+00	1.34E-08	0.01	0.00006	1734
629574	4277761	3.1E-04	3.62E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.00006	1735
629574	4277811	3.2E-04	3.67E-09	1.04E-08	0.00E+00	1.40E-08	0.01	0.00006	1736
629574	4277861	3.1E-04	3.61E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.00006	1737
629574	4277911	3.0E-04	3.45E-09	9.73E-09	0.00E+00	1.32E-08	0.01	0.00006	1738
629574	4277961	2.8E-04	3.25E-09	9.18E-09	0.00E+00	1.24E-08	0.01	0.00006	1739
629574	4278011	2.7E-04	3.09E-09	8.71E-09	0.00E+00	1.18E-08	0.01	0.00005	1740
629574	4278061	2.6E-04	2.98E-09	8.41E-09	0.00E+00	1.14E-08	0.01	0.00005	1741
629574	4278111	2.6E-04	2.96E-09	8.34E-09	0.00E+00	1.13E-08	0.01	0.00005	1742
629574	4278161	2.6E-04	3.00E-09	8.46E-09	0.00E+00	1.15E-08	0.01	0.00005	1743
629574	4278211	2.7E-04	3.08E-09	8.69E-09	0.00E+00	1.18E-08	0.01	0.00005	1744
629574	4278261	2.8E-04	3.18E-09	8.96E-09	0.00E+00	1.21E-08	0.01	0.00006	1745
629574	4278311	2.8E-04	3.27E-09	9.23E-09	0.00E+00	1.25E-08	0.01	0.00006	1746
629574	4278361	2.9E-04	3.35E-09	9.45E-09	0.00E+00	1.28E-08	0.01	0.00006	1747
629574	4278411	3.0E-04	3.42E-09	9.65E-09	0.00E+00	1.31E-08	0.01	0.00006	1748
629574	4278461	3.0E-04	3.49E-09	9.83E-09	0.00E+00	1.33E-08	0.01	0.00006	1749
629574	4278511	3.1E-04	3.55E-09	1.00E-08	0.00E+00	1.35E-08	0.01	0.00006	1750
629574	4278561	3.1E-04	3.61E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.00006	1751
629574	4278611	3.2E-04	3.66E-09	1.03E-08	0.00E+00	1.40E-08	0.01	0.00006	1752
629574	4278711	3.2E-04	3.74E-09	1.05E-08	0.00E+00	1.43E-08	0.01	0.00006	1753
629574	4278761	3.3E-04	3.76E-09	1.06E-08	0.00E+00	1.44E-08	0.01	0.00007	1754
629574	4278811	3.3E-04	3.76E-09	1.06E-08	0.00E+00	1.44E-08	0.01	0.00007	1755
629574	4278861	3.3E-04	3.75E-09	1.06E-08	0.00E+00	1.43E-08	0.01	0.00007	1756
629574	4278911	3.2E-04	3.73E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.00006	1757
629524	4277661	2.6E-04	3.05E-09	8.60E-09	0.00E+00	1.17E-08	0.01	0.00005	1758
629524	4277711	2.7E-04	3.13E-09	8.84E-09	0.00E+00	1.20E-08	0.01	0.00005	1759
629524	4277761	2.8E-04	3.22E-09	9.07E-09	0.00E+00	1.23E-08	0.01	0.00006	1760
629524	4277811	2.8E-04	3.25E-09	9.16E-09	0.00E+00	1.24E-08	0.01	0.00006	1761
629524	4277861	2.8E-04	3.19E-09	9.00E-09	0.00E+00	1.22E-08	0.01	0.00006	1762
629524	4277911	2.7E-04	3.06E-09	8.62E-09	0.00E+00	1.17E-08	0.01	0.00005	1763
629524	4277961	2.5E-04	2.88E-09	8.13E-09	0.00E+00	1.10E-08	0.01	0.00005	1764
629524	4278011	2.4E-04	2.73E-09	7.71E-09	0.00E+00	1.04E-08	0.01	0.00005	1765
629524	4278061	2.3E-04	2.64E-09	7.43E-09	0.00E+00	1.01E-08	0.01	0.00005	1766
629524	4278111	2.3E-04	2.60E-09	7.32E-09	0.00E+00	9.91E-09	0.01	0.00005	1767
629524	4278161	2.3E-04	2.61E-09	7.37E-09	0.00E+00	9.99E-09	0.01	0.00005	1768
629524	4278211	2.3E-04	2.68E-09	7.56E-09	0.00E+00	1.02E-08	0.01	0.00005	1769
629524	4278261	2.4E-04	2.76E-09	7.78E-09	0.00E+00	1.05E-08	0.01	0.00005	1770
629524	4278311	2.5E-04	2.84E-09	8.01E-09	0.00E+00	1.09E-08	0.01	0.00005	1771
629524	4278361	2.5E-04	2.91E-09	8.21E-09	0.00E+00	1.11E-08	0.01	0.00005	1772
629524	4278411	2.6E-04	2.97E-09	8.38E-09	0.00E+00	1.14E-08	0.01	0.00005	1773
629524	4278461	2.6E-04	3.03E-09	8.54E-09	0.00E+00	1.16E-08	0.01	0.00005	1774
629524	4278511	2.7E-04	3.08E-09	8.69E-09	0.00E+00	1.18E-08	0.01	0.00005	1775
629524	4278561	2.7E-04	3.13E-09	8.82E-09	0.00E+00	1.20E-08	0.01	0.00005	1776
629524	4278661	2.8E-04	3.22E-09	9.08E-09	0.00E+00	1.23E-08	0.01	0.00006	1777
629524	4278711	2.8E-04	3.25E-09	9.18E-09	0.00E+00	1.24E-08	0.01	0.00006	1778
629524	4278761	2.8E-04	3.28E-09	9.26E-09	0.00E+00	1.25E-08	0.01	0.00006	1779
629524	4278811	2.9E-04	3.30E-09	9.32E-09	0.00E+00	1.26E-08	0.01	0.00006	1780
629524	4278861	2.9E-04	3.31E-09	9.34E-09	0.00E+00	1.27E-08	0.01	0.00006	1781
629524	4278911	2.9E-04	3.31E-09	9.35E-09	0.00E+00	1.27E-08	0.01	0.00006	1782
629474	4277661	2.4E-04	2.74E-09	7.73E-09	0.00E+00	1.05E-08	0.01	0.00005	1783
629474	4277711	2.4E-04	2.81E-09	7.93E-09	0.00E+00	1.07E-08	0.01	0.00005	1784
629474	4277761	2.5E-04	2.89E-09	8.15E-09	0.00E+00	1.10E-08	0.01	0.00005	1785
629474	4277811	2.5E-04	2.91E-09	8.21E-09	0.00E+00	1.11E-08	0.01	0.00005	1786
629474	4277861	2.5E-04	2.85E-09	8.05E-09	0.00E+00	1.09E-08	0.01	0.00005	1787
629474	4277911	2.4E-04	2.74E-09	7.71E-09	0.00E+00	1.05E-08	0.01	0.00005	1788
629474	4277961	2.2E-04	2.59E-09	7.30E-09	0.00E+00	9.89E-09	0.01	0.00004	1789
629474	4278011	2.1E-04	2.45E-09	6.91E-09	0.00E+00	9.36E-09	0.01	0.00004	1790
629474	4278061	2.0E-04	2.35E-09	6.63E-09	0.00E+00	8.98E-09	0.01	0.00004	1791
629474	4278111	2.0E-04	2.30E-09	6.50E-09	0.00E+00	8.81E-09	0.01	0.00004	1792
629474	4278161	2.0E-04	2.31E-09	6.52E-09	0.00E+00	8.83E-09	0.01	0.00004	1793
629474	4278211	2.0E-04	2.36E-09	6.65E-09	0.00E+00	9.00E-09	0.01	0.00004	1794
629474	4278261	2.1E-04	2.42E-09	6.83E-09	0.00E+00	9.25E-09	0.01	0.00004	1795
629474	4278311	2.2E-04	2.48E-09	7.01E-09	0.00E+00	9.49E-09	0.01	0.00004	1796
629474	4278361	2.2E-04	2.55E-09	7.19E-09	0.00E+00	9.75E-09	0.01	0.00004	1797
629474	4278411	2.3E-04	2.61E-09	7.37E-09	0.00E+00	9.99E-09	0.01	0.00005	1798
629474	4278461	2.3E-04	2.66E-09	7.51E-09	0.00E+00	1.02E-08	0.01	0.00005	1799
629474	4278511	2.3E-04	2.71E-09	7.64E-09	0.00E+00	1.03E-08	0.01	0.00005	1800
629474	4278561	2.4E-04	2.75E-09	7.75E-09	0.00E+00	1.05E-08	0.01	0.00005	1801
629474	4278661	2.4E-04	2.82E-09	7.96E-09	0.00E+00	1.08E-08	0.01	0.00005	1802
629474	4278711	2.5E-04	2.86E-09	8.06E-09	0.00E+00	1.09E-08	0.01	0.00005	1803
629474	4278761	2.5E-04	2.89E-09	8.15E-09	0.00E+00	1.10E-08	0.01	0.00005	1804
629474	4278811	2.5E-04	2.91E-09	8.22E-09	0.00E+00	1.11E-08	0.01	0.00005	1805
629474	4278861	2.5E-04	2.93E-09	8.28E-09	0.00E+00	1.12E-08	0.01	0.00005	1806
629474	4278911	2.6E-04	2.95E-09	8.32E-09	0.00E+00	1.13E-08	0.01	0.00005	1807
629424	4277661	2.1E-04	2.48E-09	6.98E-09	0.00E+00	9.46E-09	0.01	0.00004	1808
629424	4277711	2.2E-04	2.54E-09	7.17E-09	0.00E+00	9.71E-09	0.01	0.00004	1809
629424	4277761	2.3E-04	2.61E-09	7.35E-09	0.00E+00	9.96E-09	0.01	0.00005	1810
629424	4277811	2.3E-04	2.62E-09	7.39E-09	0.00E+00	1.00E-08	0.01	0.00005	1811
629424	4277861	2.2E-04	2.57E-09	7.24E-09	0.00E+00	9.80E-09	0.01	0.00004	1812
629424	4277911	2.1E-04	2.46E-09	6.95E-09	0.00E+00	9.41E-09	0.01	0.00004	1813
629424	4277961	2.0E-04	2.34E-09	6.59E-09	0.00E+00	8.92E-09	0.01	0.00004	1814
629424	4278011	1.9E-04	2.21E-09	6.23E-09	0.00E+00	8.44E-09	0.01	0.00004	1815
629424	4278061	1.8E-04	2.12E-09	5.97E-09	0.00E+00	8.09E-09	0.01	0.00004	1816
629424	4278111	1.8E-04	2.07E-09	5.84E-09	0.00E+00	7.91E-09	0.01	0.00004	1817
629424	4278161	1.8E-04	2.07E-09	5.83E-09	0.00E+00	7.90E-09	0.01	0.00004	1818
629424	4278211	1.8E-04	2.10E-09	5.92E-09	0.00E+00	8.01E-09	0.01	0.00004	1819
629424	4278261	1.9E-04	2.14E-09	6.04E-09	0.00E+00	8.19E-09	0.01	0.00004	1820
629424	4278311	1.9E-04	2.20E-09	6.21E-09	0.00E+00	8.42E-09	0.01	0.00004	1821
629424	4278361	2.0E-04	2.26E-09	6.38E-09	0.00E+00	8.64E-09	0.01	0.00004	1822

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10
629424	4278411	2.0E-04	2.31E-09	6.53E-09	0.00E+00	8.84E-09	0.01	0.00004	1823
629424	4278461	2.0E-04	2.36E-09	6.66E-09	0.00E+00	9.02E-09	0.01	0.00004	1824
629424	4278511	2.1E-04	2.40E-09	6.78E-09	0.00E+00	9.19E-09	0.01	0.00004	1825
629424	4278611	2.1E-04	2.47E-09	6.97E-09	0.00E+00	9.44E-09	0.01	0.00004	1826
629424	4278661	2.2E-04	2.50E-09	7.04E-09	0.00E+00	9.54E-09	0.01	0.00004	1827
629424	4278711	2.2E-04	2.53E-09	7.13E-09	0.00E+00	9.66E-09	0.01	0.00004	1828
629424	4278761	2.2E-04	2.56E-09	7.22E-09	0.00E+00	9.79E-09	0.01	0.00004	1829
629424	4278811	2.2E-04	2.59E-09	7.31E-09	0.00E+00	9.90E-09	0.01	0.00004	1830
629424	4278861	2.3E-04	2.61E-09	7.37E-09	0.00E+00	9.98E-09	0.01	0.00005	1831
629424	4278911	2.3E-04	2.63E-09	7.41E-09	0.00E+00	1.00E-08	0.01	0.00005	1832
629374	4277661	2.0E-04	2.26E-09	6.38E-09	0.00E+00	8.64E-09	0.01	0.00004	1833
629374	4277711	2.0E-04	2.33E-09	6.57E-09	0.00E+00	8.89E-09	0.01	0.00004	1834
629374	4277761	2.1E-04	2.37E-09	6.70E-09	0.00E+00	9.07E-09	0.01	0.00004	1835
629374	4277811	2.1E-04	2.38E-09	6.72E-09	0.00E+00	9.10E-09	0.01	0.00004	1836
629374	4277861	2.0E-04	2.33E-09	6.58E-09	0.00E+00	8.91E-09	0.01	0.00004	1837
629374	4277911	1.9E-04	2.24E-09	6.30E-09	0.00E+00	8.54E-09	0.01	0.00004	1838
629374	4277961	1.8E-04	2.12E-09	5.98E-09	0.00E+00	8.10E-09	0.01	0.00004	1839
629374	4278011	1.7E-04	2.01E-09	5.67E-09	0.00E+00	7.68E-09	0.01	0.00003	1840
629374	4278061	1.7E-04	1.92E-09	5.43E-09	0.00E+00	7.35E-09	0.01	0.00003	1841
629374	4278111	1.6E-04	1.88E-09	5.29E-09	0.00E+00	7.17E-09	0.01	0.00003	1842
629374	4278161	1.6E-04	1.86E-09	5.26E-09	0.00E+00	7.12E-09	0.01	0.00003	1843
629374	4278211	1.6E-04	1.88E-09	5.31E-09	0.00E+00	7.19E-09	0.01	0.00003	1844
629374	4278261	1.7E-04	1.92E-09	5.41E-09	0.00E+00	7.33E-09	0.01	0.00003	1845
629374	4278311	1.7E-04	1.97E-09	5.56E-09	0.00E+00	7.53E-09	0.01	0.00003	1846
629374	4278361	1.8E-04	2.02E-09	5.70E-09	0.00E+00	7.72E-09	0.01	0.00004	1847
629374	4278411	1.8E-04	2.07E-09	5.84E-09	0.00E+00	7.91E-09	0.01	0.00004	1848
629374	4278461	1.8E-04	2.11E-09	5.96E-09	0.00E+00	8.07E-09	0.01	0.00004	1849
629374	4278611	1.9E-04	2.21E-09	6.24E-09	0.00E+00	8.45E-09	0.01	0.00004	1850
629374	4278661	1.9E-04	2.24E-09	6.31E-09	0.00E+00	8.55E-09	0.01	0.00004	1851
629374	4278711	2.0E-04	2.27E-09	6.39E-09	0.00E+00	8.66E-09	0.01	0.00004	1852
629374	4278761	2.0E-04	2.29E-09	6.46E-09	0.00E+00	8.75E-09	0.01	0.00004	1853
629374	4278811	2.0E-04	2.32E-09	6.53E-09	0.00E+00	8.85E-09	0.01	0.00004	1854
629374	4278861	2.0E-04	2.34E-09	6.60E-09	0.00E+00	8.93E-09	0.01	0.00004	1855
629374	4278911	2.0E-04	2.36E-09	6.65E-09	0.00E+00	9.01E-09	0.01	0.00004	1856
629324	4277661	1.8E-04	2.08E-09	5.86E-09	0.00E+00	7.94E-09	0.01	0.00004	1857
629324	4277711	1.9E-04	2.14E-09	6.02E-09	0.00E+00	8.16E-09	0.01	0.00004	1858
629324	4277761	1.9E-04	2.17E-09	6.13E-09	0.00E+00	8.31E-09	0.01	0.00004	1859
629324	4277811	1.9E-04	2.17E-09	6.13E-09	0.00E+00	8.30E-09	0.01	0.00004	1860
629324	4277861	1.8E-04	2.13E-09	6.00E-09	0.00E+00	8.12E-09	0.01	0.00004	1861
629324	4277911	1.8E-04	2.04E-09	5.74E-09	0.00E+00	7.78E-09	0.01	0.00004	1862
629324	4277961	1.7E-04	1.93E-09	5.46E-09	0.00E+00	7.39E-09	0.01	0.00003	1863
629324	4278011	1.6E-04	1.84E-09	5.18E-09	0.00E+00	7.02E-09	0.01	0.00003	1864
629324	4278061	1.5E-04	1.76E-09	4.96E-09	0.00E+00	6.72E-09	0.01	0.00003	1865
629324	4278111	1.5E-04	1.71E-09	4.82E-09	0.00E+00	6.53E-09	0.01	0.00003	1866
629324	4278161	1.5E-04	1.69E-09	4.78E-09	0.00E+00	6.47E-09	0.01	0.00003	1867
629324	4278211	1.5E-04	1.70E-09	4.81E-09	0.00E+00	6.51E-09	0.01	0.00003	1868
629324	4278261	1.5E-04	1.73E-09	4.89E-09	0.00E+00	6.63E-09	0.01	0.00003	1869
629324	4278311	1.5E-04	1.78E-09	5.01E-09	0.00E+00	6.79E-09	0.01	0.00003	1870
629324	4278361	1.6E-04	1.82E-09	5.14E-09	0.00E+00	6.96E-09	0.01	0.00003	1871
629324	4278411	1.6E-04	1.87E-09	5.27E-09	0.00E+00	7.13E-09	0.01	0.00003	1872
629324	4278561	1.7E-04	1.97E-09	5.57E-09	0.00E+00	7.54E-09	0.01	0.00003	1873
629324	4278611	1.7E-04	2.00E-09	5.64E-09	0.00E+00	7.64E-09	0.01	0.00003	1874
629324	4278661	1.8E-04	2.02E-09	5.70E-09	0.00E+00	7.72E-09	0.01	0.00004	1875
629324	4278711	1.8E-04	2.04E-09	5.77E-09	0.00E+00	7.81E-09	0.01	0.00004	1876
629324	4278761	1.8E-04	2.07E-09	5.82E-09	0.00E+00	7.89E-09	0.01	0.00004	1877
629324	4278811	1.8E-04	2.08E-09	5.88E-09	0.00E+00	7.96E-09	0.01	0.00004	1878
629324	4278861	1.8E-04	2.11E-09	5.94E-09	0.00E+00	8.04E-09	0.01	0.00004	1879
629324	4278911	1.8E-04	2.12E-09	5.99E-09	0.00E+00	8.11E-09	0.01	0.00004	1880
629274	4277661	1.7E-04	1.92E-09	5.42E-09	0.00E+00	7.34E-09	0.01	0.00003	1881
629274	4277711	1.7E-04	1.97E-09	5.56E-09	0.00E+00	7.53E-09	0.01	0.00003	1882
629274	4277761	1.7E-04	2.00E-09	5.65E-09	0.00E+00	7.65E-09	0.01	0.00003	1883
629274	4277811	1.7E-04	2.00E-09	5.63E-09	0.00E+00	7.63E-09	0.01	0.00003	1884
629274	4277861	1.7E-04	1.95E-09	5.50E-09	0.00E+00	7.45E-09	0.01	0.00003	1885
629274	4277911	1.6E-04	1.87E-09	5.28E-09	0.00E+00	7.15E-09	0.01	0.00003	1886
629274	4277961	1.5E-04	1.78E-09	5.01E-09	0.00E+00	6.79E-09	0.01	0.00003	1887
629274	4278011	1.5E-04	1.69E-09	4.76E-09	0.00E+00	6.44E-09	0.01	0.00003	1888
629274	4278061	1.4E-04	1.61E-09	4.55E-09	0.00E+00	6.17E-09	0.01	0.00003	1889
629274	4278111	1.4E-04	1.57E-09	4.42E-09	0.00E+00	5.99E-09	0.01	0.00003	1890
629274	4278161	1.3E-04	1.55E-09	4.37E-09	0.00E+00	5.92E-09	0.01	0.00003	1891
629274	4278211	1.3E-04	1.55E-09	4.38E-09	0.00E+00	5.94E-09	0.01	0.00003	1892
629274	4278261	1.4E-04	1.58E-09	4.45E-09	0.00E+00	6.03E-09	0.01	0.00003	1893
629274	4278311	1.4E-04	1.61E-09	4.55E-09	0.00E+00	6.16E-09	0.01	0.00003	1894
629274	4278361	1.4E-04	1.66E-09	4.67E-09	0.00E+00	6.32E-09	0.01	0.00003	1895
629274	4278511	1.5E-04	1.77E-09	4.98E-09	0.00E+00	6.75E-09	0.01	0.00003	1896
629274	4278561	1.6E-04	1.80E-09	5.06E-09	0.00E+00	6.86E-09	0.01	0.00003	1897
629274	4278611	1.6E-04	1.82E-09	5.13E-09	0.00E+00	6.95E-09	0.01	0.00003	1898
629274	4278661	1.6E-04	1.84E-09	5.19E-09	0.00E+00	7.03E-09	0.01	0.00003	1899
629274	4278711	1.6E-04	1.86E-09	5.24E-09	0.00E+00	7.10E-09	0.01	0.00003	1900
629274	4278761	1.6E-04	1.87E-09	5.29E-09	0.00E+00	7.16E-09	0.01	0.00003	1901
629274	4278811	1.6E-04	1.89E-09	5.33E-09	0.00E+00	7.23E-09	0.01	0.00003	1902
629274	4278861	1.7E-04	1.91E-09	5.38E-09	0.00E+00	7.29E-09	0.01	0.00003	1903
629274	4278911	1.7E-04	1.92E-09	5.43E-09	0.00E+00	7.35E-09	0.01	0.00003	1904

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10

630024	4277861	2.4E-03	2.73E-08	7.69E-08	0.00E+00	1.04E-07	0.10	0.00047	8
630024	4277881	2.4E-03	2.71E-08	7.66E-08	0.00E+00	1.04E-07	0.10	0.00047	9
630024	4277901	2.3E-03	2.67E-08	7.52E-08	0.00E+00	1.02E-07	0.10	0.00046	10

A-6 HRA Mitigated

Natomas ARCO

Mitigated Construction Health Risk Assessment

Off-site Resident

Construction Specifics

				Days				DPM (tons)			
	Year	Start Date	Stop Date	3rd Trimester	0<2	2<9	Construction Duration	Off-Road	Haul - Demo	Haul - Grading	Vendor - Build
Site Construction	2024	1/2/2024	6/25/2024	91	85	0	176	0.002	0	0	0

Construction Emissions, as applied to AERMOD results

				DPM (g/s)
	Year	Start Date	Stop Date	CSTN
Site Construction	2024	1/2/2024	6/25/2024	1.19E-04

Risk Factors

	Abbreviation	Units	3rd Trimester	0<2	2<9
Daily Breathing Rate (95th %'ile)	DBR	L/kg-day	361	1090	631
Fraction Of Time At Home	FAH	unitless	0.85	0.85	0.85
Exposure Frequency	EF	days/year	0.96	0.96	0.96
Age Sensitivity Factor	ASF	unitless	10	10	3
Inhalation Absorption Factor	A	unitless	1	1	1
Conversion Factor	CF_1	m^3/L	0.001	0.001	0.001
Conversion Factor	CF_2	$\mu g/m^3$	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF	$mg/kg\text{-}day^{-1}$	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	years	70.00	70.00	70.00

Intake Factor for Inhalation, IF (m^3/kg-day)

	Year	Equation	3rd Trimester	0<2	2<9
Site Construction	2024	DBR*FAH*EF*ED*ASF*A*CF/AT	1.0E-02	3.0E-02	0.0E+00

Risk Calculation Part 1, R1

	Year	3rd Trimester	0<2	2<9
IF*CPF*CF	2024	1.2E-05	3.3E-05	0.0E+00

	Max	UTM X	UTM Y
3rd Tri	0.33		
0<2	0.94		
2<9	0.00		
	1.27	630264	4277941

Hazard Index

Chronic Inhalation	REL	5	$\mu g/m^3$

Diesel Particulate Matter concentration, C_{DPM} (ug/m^3)

Risk Calculation Part 2

lookup	X (UTM)	Y (UTM	C_{DPM}	∑R1*C_{DPM} 3rd Trimester	∑R1*C_{DPM} 0<2	∑R1*C_{DPM} 2<9	∑R1*C_{DPM} Total	Cancer Risk per million	HI C_{DPM}/REL unitless	
630024_4277661	630024	4277661	1.7E-04	2.02E-09	5.68E-09	0.00E+00	7.70E-09	0.01	0.000035	1
630024_4277681	630024	4277681	1.9E-04	2.14E-09	6.04E-09	0.00E+00	8.18E-09	0.01	0.000037	2
630024_4277761	630024	4277761	2.2E-04	2.51E-09	7.07E-09	0.00E+00	9.58E-09	0.01	0.000043	3
630024_4277781	630024	4277781	2.2E-04	2.56E-09	7.23E-09	0.00E+00	9.80E-09	0.01	0.000044	4
630024_4277801	630024	4277801	2.3E-04	2.62E-09	7.39E-09	0.00E+00	1.00E-08	0.01	0.000045	5
630024_4277821	630024	4277821	2.3E-04	2.67E-09	7.53E-09	0.00E+00	1.02E-08	0.01	0.000046	6
630024_4277841	630024	4277841	2.4E-04	2.71E-09	7.64E-09	0.00E+00	1.04E-08	0.01	0.000047	7
630024_4277861	630024	4277861	2.4E-04	2.73E-09	7.69E-09	0.00E+00	1.04E-08	0.01	0.000047	8
630024_4277881	630024	4277881	2.4E-04	2.71E-09	7.66E-09	0.00E+00	1.04E-08	0.01	0.000047	9
630024_4277901	630024	4277901	2.3E-04	2.67E-09	7.52E-09	0.00E+00	1.02E-08	0.01	0.000046	10
630024_4277921	630024	4277921	2.3E-04	2.62E-09	7.38E-09	0.00E+00	1.00E-08	0.01	0.000045	11
630024_4277941	630024	4277941	2.2E-04	2.57E-09	7.25E-09	0.00E+00	9.82E-09	0.01	0.000045	12
630024_4277961	630024	4277961	2.2E-04	2.54E-09	7.16E-09	0.00E+00	9.70E-09	0.01	0.000044	13
630024_4277981	630024	4277981	2.2E-04	2.53E-09	7.13E-09	0.00E+00	9.66E-09	0.01	0.000044	14
630024_4278001	630024	4278001	2.2E-04	2.55E-09	7.18E-09	0.00E+00	9.73E-09	0.01	0.000044	15
630024_4278021	630024	4278021	2.2E-04	2.59E-09	7.30E-09	0.00E+00	9.89E-09	0.01	0.000045	16
630024_4278041	630024	4278041	2.3E-04	2.66E-09	7.49E-09	0.00E+00	1.02E-08	0.01	0.000046	17
630024_4278061	630024	4278061	2.4E-04	2.73E-09	7.70E-09	0.00E+00	1.04E-08	0.01	0.000047	18
630024_4278081	630024	4278081	2.4E-04	2.80E-09	7.91E-09	0.00E+00	1.07E-08	0.01	0.000049	19
630024_4278101	630024	4278101	2.5E-04	2.87E-09	8.10E-09	0.00E+00	1.10E-08	0.01	0.000050	20
630024_4278121	630024	4278121	2.5E-04	2.93E-09	8.27E-09	0.00E+00	1.12E-08	0.01	0.000051	21
630024_4278141	630024	4278141	2.6E-04	2.98E-09	8.40E-09	0.00E+00	1.14E-08	0.01	0.000052	22
630024_4278161	630024	4278161	2.6E-04	3.00E-09	8.47E-09	0.00E+00	1.15E-08	0.01	0.000052	23
630044_4277661	630044	4277661	1.9E-04	2.23E-09	6.28E-09	0.00E+00	8.51E-09	0.01	0.000039	24
630044_4277681	630044	4277681	2.1E-04	2.39E-09	6.74E-09	0.00E+00	9.13E-09	0.01	0.000041	25
630044_4277741	630044	4277741	2.4E-04	2.82E-09	7.96E-09	0.00E+00	1.08E-08	0.01	0.000049	26
630044_4277761	630044	4277761	2.5E-04	2.93E-09	8.26E-09	0.00E+00	1.12E-08	0.01	0.000051	27
630044_4277781	630044	4277781	2.6E-04	3.01E-09	8.50E-09	0.00E+00	1.15E-08	0.01	0.000052	28
630044_4277801	630044	4277801	2.7E-04	3.10E-09	8.75E-09	0.00E+00	1.19E-08	0.01	0.000054	29
630044_4277821	630044	4277821	2.8E-04	3.18E-09	8.96E-09	0.00E+00	1.21E-08	0.01	0.000055	30
630044_4277841	630044	4277841	2.8E-04	3.23E-09	9.12E-09	0.00E+00	1.24E-08	0.01	0.000056	31
630044_4277861	630044	4277861	2.8E-04	3.26E-09	9.19E-09	0.00E+00	1.24E-08	0.01	0.000057	32
630044_4277881	630044	4277881	2.8E-04	3.24E-09	9.13E-09	0.00E+00	1.24E-08	0.01	0.000056	33
630044_4277901	630044	4277901	2.8E-04	3.17E-09	8.95E-09	0.00E+00	1.21E-08	0.01	0.000055	34
630044_4277921	630044	4277921	2.7E-04	3.12E-09	8.80E-09	0.00E+00	1.19E-08	0.01	0.000054	35
630044_4277941	630044	4277941	2.7E-04	3.07E-09	8.65E-09	0.00E+00	1.17E-08	0.01	0.000053	36
630044_4277961	630044	4277961	2.6E-04	3.04E-09	8.58E-09	0.00E+00	1.16E-08	0.01	0.000053	37
630044_4277981	630044	4277981	2.6E-04	3.04E-09	8.58E-09	0.00E+00	1.16E-08	0.01	0.000053	38
630044_4278001	630044	4278001	2.7E-04	3.08E-09	8.68E-09	0.00E+00	1.18E-08	0.01	0.000053	39
630044_4278021	630044	4278021	2.7E-04	3.14E-09	8.87E-09	0.00E+00	1.20E-08	0.01	0.000055	40
630044_4278041	630044	4278041	2.8E-04	3.24E-09	9.14E-09	0.00E+00	1.24E-08	0.01	0.000056	41
630044_4278061	630044	4278061	2.9E-04	3.34E-09	9.41E-09	0.00E+00	1.28E-08	0.01	0.000058	42
630044_4278081	630044	4278081	3.0E-04	3.43E-09	9.67E-09	0.00E+00	1.31E-08	0.01	0.000060	43
630044_4278101	630044	4278101	3.0E-04	3.51E-09	9.90E-09	0.00E+00	1.34E-08	0.01	0.000061	44
630044_4278121	630044	4278121	3.1E-04	3.57E-09	1.01E-08	0.00E+00	1.36E-08	0.01	0.000062	45
630044_4278141	630044	4278141	3.1E-04	3.61E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.000063	46
630044_4278161	630044	4278161	3.1E-04	3.62E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.000063	47
630064_4277661	630064	4277661	2.1E-04	2.46E-09	6.94E-09	0.00E+00	9.41E-09	0.01	0.000043	48
630064_4277741	630064	4277741	2.8E-04	3.28E-09	9.26E-09	0.00E+00	1.25E-08	0.01	0.000057	49
630064_4277761	630064	4277761	3.0E-04	3.45E-09	9.73E-09	0.00E+00	1.32E-08	0.01	0.000060	50
630064_4277781	630064	4277781	3.1E-04	3.58E-09	1.01E-08	0.00E+00	1.37E-08	0.01	0.000062	51
630064_4277801	630064	4277801	3.2E-04	3.72E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.000065	52
630064_4277821	630064	4277821	3.3E-04	3.84E-09	1.08E-08	0.00E+00	1.47E-08	0.01	0.000067	53
630064_4277841	630064	4277841	3.4E-04	3.91E-09	1.10E-08	0.00E+00	1.50E-08	0.01	0.000068	54
630064_4277861	630064	4277861	3.4E-04	3.95E-09	1.11E-08	0.00E+00	1.51E-08	0.02	0.000068	55
630064_4277881	630064	4277881	3.4E-04	3.92E-09	1.11E-08	0.00E+00	1.50E-08	0.01	0.000068	56
630064_4277901	630064	4277901	3.3E-04	3.85E-09	1.09E-08	0.00E+00	1.47E-08	0.01	0.000067	57
630064_4277921	630064	4277921	3.3E-04	3.78E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.000066	58
630064_4277941	630064	4277941	3.2E-04	3.73E-09	1.05E-08	0.00E+00	1.43E-08	0.01	0.000065	59
630064_4277961	630064	4277961	3.2E-04	3.72E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.000065	60
630064_4277981	630064	4277981	3.2E-04	3.74E-09	1.05E-08	0.00E+00	1.43E-08	0.01	0.000065	61
630064_4278001	630064	4278001	3.3E-04	3.81E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.000066	62
630064_4278021	630064	4278021	3.4E-04	3.90E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.000068	63
630064_4278041	630064	4278041	3.5E-04	4.03E-09	1.14E-08	0.00E+00	1.54E-08	0.02	0.000070	64
630064_4278061	630064	4278061	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.59E-08	0.02	0.000072	65
630064_4278081	630064	4278081	3.7E-04	4.26E-09	1.20E-08	0.00E+00	1.63E-08	0.02	0.000074	66
630064_4278101	630064	4278101	3.8E-04	4.34E-09	1.22E-08	0.00E+00	1.66E-08	0.02	0.000075	67
630064_4278121	630064	4278121	3.8E-04	4.39E-09	1.24E-08	0.00E+00	1.68E-08	0.02	0.000076	68
630064_4278141	630064	4278141	3.8E-04	4.40E-09	1.24E-08	0.00E+00	1.68E-08	0.02	0.000076	69
630064_4278161	630064	4278161	3.8E-04	4.37E-09	1.23E-08	0.00E+00	1.67E-08	0.02	0.000076	70
630084_4277741	630084	4277741	3.3E-04	3.83E-09	1.08E-08	0.00E+00	1.46E-08	0.01	0.000066	71
630084_4277761	630084	4277761	3.5E-04	4.09E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.000071	72
630084_4277781	630084	4277781	3.7E-04	4.31E-09	1.22E-08	0.00E+00	1.65E-08	0.02	0.000075	73
630084_4277801	630084	4277801	3.9E-04	4.53E-09	1.28E-08	0.00E+00	1.73E-08	0.02	0.000079	74
630084_4277821	630084	4277821	4.1E-04	4.70E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.000082	75
630084_4277841	630084	4277841	4.2E-04	4.82E-09	1.36E-08	0.00E+00	1.84E-08	0.02	0.000084	76
630084_4277861	630084	4277861	4.2E-04	4.87E-09	1.37E-08	0.00E+00	1.86E-08	0.02	0.000085	77
630084_4277881	630084	4277881	4.2E-04	4.86E-09	1.37E-08	0.00E+00	1.86E-08	0.02	0.000084	78
630084_4277901	630084	4277901	4.1E-04	4.77E-09	1.35E-08	0.00E+00	1.82E-08	0.02	0.000083	79
630084_4277921	630084	4277921	4.1E-04	4.69E-09	1.32E-08	0.00E+00	1.79E-08	0.02	0.000081	80
630084_4277941	630084	4277941	4.0E-04	4.64E-09	1.31E-08	0.00E+00	1.77E-08	0.02	0.000081	81

630084_4277961	630084	4277961	4.0E-04	4.65E-09	1.31E-08	0.00E+00	1.78E-08	0.02	0.000081	82
630084_4277981	630084	4277981	4.1E-04	4.71E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.000082	83
630084_4278001	630084	4278001	4.2E-04	4.83E-09	1.36E-08	0.00E+00	1.85E-08	0.02	0.000084	84
630084_4278021	630084	4278021	4.3E-04	4.99E-09	1.41E-08	0.00E+00	1.91E-08	0.02	0.000087	85
630084_4278041	630084	4278041	4.5E-04	5.15E-09	1.45E-08	0.00E+00	1.97E-08	0.02	0.000089	86
630084_4278061	630084	4278061	4.6E-04	5.29E-09	1.49E-08	0.00E+00	2.02E-08	0.02	0.000092	87
630084_4278081	630084	4278081	4.7E-04	5.39E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.000094	88
630084_4278101	630084	4278101	4.7E-04	5.45E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.000095	89
630084_4278121	630084	4278121	4.7E-04	5.46E-09	1.54E-08	0.00E+00	2.09E-08	0.02	0.000095	90
630084_4278141	630084	4278141	4.7E-04	5.41E-09	1.52E-08	0.00E+00	2.07E-08	0.02	0.000094	91
630084_4278161	630084	4278161	4.6E-04	5.30E-09	1.49E-08	0.00E+00	2.02E-08	0.02	0.000092	92
630104_4277701	630104	4277701	3.2E-04	3.68E-09	1.04E-08	0.00E+00	1.41E-08	0.01	0.000064	93
630104_4277721	630104	4277721	3.5E-04	4.07E-09	1.15E-08	0.00E+00	1.55E-08	0.02	0.000071	94
630104_4277761	630104	4277761	4.2E-04	4.87E-09	1.37E-08	0.00E+00	1.86E-08	0.02	0.000084	95
630104_4277781	630104	4277781	4.6E-04	5.25E-09	1.48E-08	0.00E+00	2.01E-08	0.02	0.000091	96
630104_4277801	630104	4277801	4.8E-04	5.59E-09	1.58E-08	0.00E+00	2.14E-08	0.02	0.000097	97
630104_4277821	630104	4277821	5.1E-04	5.86E-09	1.65E-08	0.00E+00	2.24E-08	0.02	0.000102	98
630104_4277841	630104	4277841	5.3E-04	6.06E-09	1.71E-08	0.00E+00	2.32E-08	0.02	0.000105	99
630104_4277861	630104	4277861	5.4E-04	6.17E-09	1.74E-08	0.00E+00	2.36E-08	0.02	0.000107	100
630104_4277881	630104	4277881	5.4E-04	6.17E-09	1.74E-08	0.00E+00	2.36E-08	0.02	0.000107	101
630104_4277901	630104	4277901	5.3E-04	6.08E-09	1.71E-08	0.00E+00	2.32E-08	0.02	0.000105	102
630104_4277921	630104	4277921	5.2E-04	5.99E-09	1.69E-08	0.00E+00	2.29E-08	0.02	0.000104	103
630104_4277941	630104	4277941	5.2E-04	5.94E-09	1.67E-08	0.00E+00	2.27E-08	0.02	0.000103	104
630104_4277961	630104	4277961	5.2E-04	5.99E-09	1.69E-08	0.00E+00	2.29E-08	0.02	0.000104	105
630104_4277981	630104	4277981	5.3E-04	6.12E-09	1.73E-08	0.00E+00	2.34E-08	0.02	0.000106	106
630104_4278001	630104	4278001	5.5E-04	6.32E-09	1.78E-08	0.00E+00	2.41E-08	0.02	0.000110	107
630104_4278021	630104	4278021	5.7E-04	6.55E-09	1.85E-08	0.00E+00	2.50E-08	0.03	0.000114	108
630104_4278041	630104	4278041	5.9E-04	6.76E-09	1.91E-08	0.00E+00	2.58E-08	0.03	0.000117	109
630104_4278061	630104	4278061	6.0E-04	6.91E-09	1.95E-08	0.00E+00	2.64E-08	0.03	0.000120	110
630104_4278081	630104	4278081	6.0E-04	6.97E-09	1.97E-08	0.00E+00	2.66E-08	0.03	0.000121	111
630104_4278101	630104	4278101	6.0E-04	6.95E-09	1.96E-08	0.00E+00	2.66E-08	0.03	0.000121	112
630104_4278121	630104	4278121	5.9E-04	6.84E-09	1.93E-08	0.00E+00	2.61E-08	0.03	0.000119	113
630104_4278141	630104	4278141	5.8E-04	6.65E-09	1.88E-08	0.00E+00	2.54E-08	0.03	0.000115	114
630104_4278161	630104	4278161	5.6E-04	6.42E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.000111	115
630124_4277701	630124	4277701	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.59E-08	0.02	0.000072	116
630124_4277721	630124	4277721	4.0E-04	4.65E-09	1.31E-08	0.00E+00	1.78E-08	0.02	0.000081	117
630124_4277741	630124	4277741	4.5E-04	5.21E-09	1.47E-08	0.00E+00	1.99E-08	0.02	0.000090	118
630124_4277761	630124	4277761	5.0E-04	5.81E-09	1.64E-08	0.00E+00	2.22E-08	0.02	0.000101	119
630124_4277821	630124	4277821	6.5E-04	7.48E-09	2.11E-08	0.00E+00	2.86E-08	0.03	0.000130	120
630124_4277841	630124	4277841	6.8E-04	7.84E-09	2.21E-08	0.00E+00	2.99E-08	0.03	0.000136	121
630124_4277861	630124	4277861	7.0E-04	8.05E-09	2.27E-08	0.00E+00	3.07E-08	0.03	0.000140	122
630124_4277881	630124	4277881	7.0E-04	8.10E-09	2.29E-08	0.00E+00	3.10E-08	0.03	0.000141	123
630124_4277901	630124	4277901	7.0E-04	8.03E-09	2.26E-08	0.00E+00	3.07E-08	0.03	0.000139	124
630124_4277921	630124	4277921	6.9E-04	7.92E-09	2.23E-08	0.00E+00	3.03E-08	0.03	0.000137	125
630124_4277941	630124	4277941	6.8E-04	7.88E-09	2.22E-08	0.00E+00	3.01E-08	0.03	0.000137	126
630124_4277961	630124	4277961	7.0E-04	8.01E-09	2.26E-08	0.00E+00	3.06E-08	0.03	0.000139	127
630124_4277981	630124	4277981	7.2E-04	8.26E-09	2.33E-08	0.00E+00	3.16E-08	0.03	0.000143	128
630124_4278001	630124	4278001	7.4E-04	8.58E-09	2.42E-08	0.00E+00	3.28E-08	0.03	0.000149	129
630124_4278021	630124	4278021	7.7E-04	8.89E-09	2.51E-08	0.00E+00	3.40E-08	0.03	0.000154	130
630124_4278041	630124	4278041	7.9E-04	9.11E-09	2.57E-08	0.00E+00	3.48E-08	0.03	0.000158	131
630124_4278061	630124	4278061	8.0E-04	9.18E-09	2.59E-08	0.00E+00	3.51E-08	0.04	0.000159	132
630124_4278081	630124	4278081	7.9E-04	9.11E-09	2.57E-08	0.00E+00	3.48E-08	0.03	0.000158	133
630124_4278101	630124	4278101	7.7E-04	8.89E-09	2.51E-08	0.00E+00	3.40E-08	0.03	0.000154	134
630124_4278121	630124	4278121	7.4E-04	8.57E-09	2.42E-08	0.00E+00	3.27E-08	0.03	0.000149	135
630124_4278141	630124	4278141	7.1E-04	8.17E-09	2.30E-08	0.00E+00	3.12E-08	0.03	0.000142	136
630124_4278161	630124	4278161	6.7E-04	7.73E-09	2.18E-08	0.00E+00	2.95E-08	0.03	0.000134	137
630144_4277681	630144	4277681	3.6E-04	4.16E-09	1.17E-08	0.00E+00	1.59E-08	0.02	0.000072	138
630144_4277701	630144	4277701	4.1E-04	4.70E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.000082	139
630144_4277721	630144	4277721	4.6E-04	5.33E-09	1.50E-08	0.00E+00	2.04E-08	0.02	0.000093	140
630144_4277741	630144	4277741	5.3E-04	6.09E-09	1.72E-08	0.00E+00	2.33E-08	0.02	0.000106	141
630144_4277761	630144	4277761	6.0E-04	6.97E-09	1.96E-08	0.00E+00	2.66E-08	0.03	0.000121	142
630144_4277781	630144	4277781	6.9E-04	7.93E-09	2.24E-08	0.00E+00	3.03E-08	0.03	0.000138	143
630144_4277841	630144	4277841	9.1E-04	1.05E-08	2.95E-08	0.00E+00	4.00E-08	0.04	0.000182	144
630144_4277861	630144	4277861	9.5E-04	1.09E-08	3.07E-08	0.00E+00	4.16E-08	0.04	0.000189	145
630144_4277881	630144	4277881	9.6E-04	1.11E-08	3.12E-08	0.00E+00	4.23E-08	0.04	0.000192	146
630144_4277901	630144	4277901	9.6E-04	1.10E-08	3.11E-08	0.00E+00	4.22E-08	0.04	0.000192	147
630144_4277921	630144	4277921	9.5E-04	1.09E-08	3.08E-08	0.00E+00	4.17E-08	0.04	0.000189	148
630144_4277941	630144	4277941	9.5E-04	1.09E-08	3.08E-08	0.00E+00	4.17E-08	0.04	0.000189	149
630144_4277961	630144	4277961	9.8E-04	1.13E-08	3.18E-08	0.00E+00	4.30E-08	0.04	0.000195	150
630144_4277981	630144	4277981	1.0E-03	1.17E-08	3.31E-08	0.00E+00	4.48E-08	0.04	0.000203	151
630144_4278001	630144	4278001	1.1E-03	1.22E-08	3.44E-08	0.00E+00	4.66E-08	0.05	0.000211	152
630144_4278021	630144	4278021	1.1E-03	1.25E-08	3.53E-08	0.00E+00	4.78E-08	0.05	0.000217	153
630144_4278041	630144	4278041	1.1E-03	1.26E-08	3.55E-08	0.00E+00	4.81E-08	0.05	0.000218	154
630144_4278061	630144	4278061	1.1E-03	1.24E-08	3.49E-08	0.00E+00	4.73E-08	0.05	0.000215	155
630144_4278081	630144	4278081	1.0E-03	1.20E-08	3.37E-08	0.00E+00	4.57E-08	0.05	0.000208	156
630144_4278101	630144	4278101	9.9E-04	1.14E-08	3.21E-08	0.00E+00	4.34E-08	0.04	0.000197	157
630144_4278121	630144	4278121	9.3E-04	1.07E-08	3.01E-08	0.00E+00	4.08E-08	0.04	0.000185	158
630144_4278141	630144	4278141	8.6E-04	9.96E-09	2.81E-08	0.00E+00	3.81E-08	0.04	0.000173	159
630144_4278161	630144	4278161	8.0E-04	9.23E-09	2.60E-08	0.00E+00	3.53E-08	0.04	0.000160	160
630164_4277661	630164	4277661	3.6E-04	4.13E-09	1.17E-08	0.00E+00	1.58E-08	0.02	0.000072	161
630164_4277681	630164	4277681	4.1E-04	4.69E-09	1.32E-08	0.00E+00	1.79E-08	0.02	0.000081	162
630164_4277701	630164	4277701	4.6E-04	5.35E-09	1.51E-08	0.00E+00	2.04E-08	0.02	0.000093	163
630164_4277721	630164	4277721	5.3E-04	6.15E-09	1.73E-08	0.00E+00	2.35E-08	0.02	0.000107	164
630164_4277741	630164	4277741	6.2E-04	7.16E-09	2.02E-08	0.00E+00	2.74E-08	0.03	0.000124	165
630164_4277761	630164	4277761	7.3E-04	8.40E-09	2.37E-08	0.00E+00	3.21E-08	0.03	0.000146	166
630164_4277781	630164	4277781	8.5E-04	9.85E-09	2.78E-08	0.00E+00	3.76E-08	0.04	0.000171	167
630164_4277801	630164	4277801	9.9E-04	1.14E-08	3.23E-08	0.00E+00	4.37E-08	0.04	0.000198	168
630164_4277861	630164	4277861	1.3E-03	1.55E-08	4.37E-08	0.00E+00	5.92E-08	0.06	0.000269	169
630164_4277881	630164	4277881	1.4E-03	1.60E-08	4.50E-08	0.00E+00	6.10E-08	0.06	0.000277	170
630164_4277901	630164	4277901	1.4E-03	1.60E-08	4.52E-08	0.00E+00	6.13E-08	0.06	0.000278	171
630164_4277921	630164	4277921	1.4E-03	1.60E-08	4.50E-08	0.00E+00	6.10E-08	0.06	0.000277	172
630164_4277941	630164	4277941	1.4E-03	1.62E-08	4.56E-08	0.00E+00	6.17E-08	0.06	0.000280	173
630164_4277961	630164	4277961	1.5E-03	1.69E-08	4.77E-08	0.00E+00	6.46E-08	0.06	0.000293	174
630164_4277981	630164	4277981	1.5E-03	1.77E-08	4.99E-08	0.00E+00	6.76E-08	0.07	0.000307	175
630164_4278001	630164	4278001	1.6E-03	1.82E-08	5.13E-08	0.00E+00	6.95E-08	0.07	0.000316	176
630164_4278021	630164	4278021	1.6E-03	1.82E-08	5.13E-08	0.00E+00	6.96E-08	0.07	0.000316	177
630164_4278041	630164	4278041	1.5E-03	1.77E-08	4.99E-08	0.00E+00	6.76E-08	0.07	0.000307	178
630164_4278061	630164	4278061	1.5E-03	1.68E-08	4.74E-08	0.00E+00	6.42E-08	0.06	0.000292	179
630164_4278081	630164	4278081	1.4E-03	1.57E-08	4.42E-08	0.00E+00	5.98E-08	0.06	0.000272	180
630164_4278101	630164	4278101	1.3E-03	1.44E-08	4.07E-08	0.00E+00	5.51E-08	0.06	0.000250	181
630164_4278121	630164	4278121	1.1E-03	1.32E-08	3.72E-08	0.00E+00	5.03E-08	0.05	0.000229	182
630164_4278141	630164	4278141	1.0E-03	1.20E-08	3.38E-08	0.00E+00	4.58E-08	0.05	0.000208	183
630164_4278161	630164	4278161	9.4E-04	1.09E-08	3.07E-08	0.00E+00	4.16E-08	0.04	0.000189	184
630184_4277661	630184	4277661	4.1E-04	4.68E-09	1.32E-08	0.00E+00	1.79E-08	0.02	0.000081	185
630184_4277681	630184	4277681	4.6E-04	5.34E-09	1.51E-08	0.00E+00	2.04E-08	0.02	0.000093	186
630184_4277701	630184	4277701	5.3E-04	6.16E-09	1.74E-08	0.00E+00	2.35E-08	0.02	0.000107	187
630184_4277721	630184	4277721	6.2E-04	7.17E-09	2.02E-08	0.00E+00	2.74E-08	0.03	0.000124	188
630184_4277741	630184	4277741	7.4E-04	8.50E-09	2.40E-08	0.00E+00	3.25E-08	0.03	0.000147	189
630184_4277761	630184	4277761	8.8E-04	1.02E-08	2.87E-08	0.00E+00	3.89E-08	0.04	0.000177	190
630184_4277781	630184	4277781	1.1E-03	1.23E-08	3.48E-08	0.00E+00	4.71E-08	0.05	0.000214	191
630184_4277801	630184	4277801	1.3E-03	1.49E-08	4.20E-08	0.00E+00	5.69E-08	0.06	0.000259	192
630184_4277861	630184	4277861	2.0E-03	2.34E-08	6.60E-08	0.00E+00	8.94E-08	0.09	0.000406	193
630184_4277881	630184	4277881	2.2E-03	2.48E-08	6.99E-08	0.00E+00	9.47E-08	0.09	0.000430	194
630184_4277901	630184	4277901	2.2E-03	2.52E-08	7.11E-08	0.00E+00	9.64E-08	0.10	0.000438	195
630184_4277921	630184	4277921	2.2E-03	2.55E-08	7.19E-08	0.00E+00	9.74E-08	0.10	0.000442	196
630184_4277941	630184	4277941	2.3E-03	2.63E-08	7.41E-08	0.00E+00	1.00E-07	0.10	0.000456	197
630184_4277961	630184	4277961	2.4E-03	2.77E-08	7.82E-08	0.00E+00	1.06E-07	0.11	0.000481	198
630184_4277981	630184	4277981	2.5E-03	2.86E-08	8.07E-08	0.00E+00	1.09E-07	0.11	0.000497	199
630184_4278001	630184	4278001	2.5E-03	2.84E-08	8.01E-08	0.00E+00	1.08E-07	0.11	0.000493	200
630184_4278021	630184	4278021	2.3E-03	2.71E-08	7.63E-08	0.00E+00	1.03E-07	0.10	0.000469	201
630184_4278041	630184	4278041	2.2E-03	2.50E-08	7.05E-08	0.00E+00	9.55E-08	0.10	0.000434	202
630184_4278061	630184	4278061	2.0E-03	2.26E-08	6.38E-08	0.00E+00	8.64E-08	0.09	0.000392	203

630184_4278081	630184	4278081	1.8E-03	2.02E-08	5.70E-08	0.00E+00	7.72E-08	0.08	0.000351	204
630184_4278101	630184	4278101	1.6E-03	1.80E-08	5.07E-08	0.00E+00	6.86E-08	0.07	0.000312	205
630184_4278121	630184	4278121	1.4E-03	1.59E-08	4.49E-08	0.00E+00	6.09E-08	0.06	0.000276	206
630184_4278141	630184	4278141	1.2E-03	1.41E-08	3.99E-08	0.00E+00	5.40E-08	0.05	0.000245	207
630184_4278161	630184	4278161	1.1E-03	1.26E-08	3.55E-08	0.00E+00	4.80E-08	0.05	0.000218	208
630204_4277661	630204	4277661	4.6E-04	5.36E-09	1.51E-08	0.00E+00	2.05E-08	0.02	0.000093	209
630204_4277681	630204	4277681	5.4E-04	6.17E-09	1.74E-08	0.00E+00	2.36E-08	0.02	0.000107	210
630204_4277701	630204	4277701	6.2E-04	7.20E-09	2.03E-08	0.00E+00	2.75E-08	0.03	0.000125	211
630204_4277721	630204	4277721	7.4E-04	8.49E-09	2.40E-08	0.00E+00	3.24E-08	0.03	0.000147	212
630204_4277741	630204	4277741	8.9E-04	1.02E-08	2.89E-08	0.00E+00	3.91E-08	0.04	0.000178	213
630204_4277761	630204	4277761	1.1E-03	1.25E-08	3.54E-08	0.00E+00	4.79E-08	0.05	0.000217	214
630204_4277781	630204	4277781	1.4E-03	1.56E-08	4.41E-08	0.00E+00	5.97E-08	0.06	0.000271	215
630204_4277801	630204	4277801	1.7E-03	1.97E-08	5.57E-08	0.00E+00	7.54E-08	0.08	0.000343	216
630204_4277821	630204	4277821	2.2E-03	2.52E-08	7.10E-08	0.00E+00	9.62E-08	0.10	0.000437	217
630204_4277901	630204	4277901	3.9E-03	4.46E-08	1.26E-07	0.00E+00	1.71E-07	0.17	0.000775	218
630204_4277921	630204	4277921	4.0E-03	4.66E-08	1.31E-07	0.00E+00	1.78E-07	0.18	0.000808	219
630204_4277941	630204	4277941	4.2E-03	4.87E-08	1.37E-07	0.00E+00	1.86E-07	0.19	0.000844	220
630204_4277961	630204	4277961	4.4E-03	5.04E-08	1.42E-07	0.00E+00	1.93E-07	0.19	0.000875	221
630204_4277981	630204	4277981	4.3E-03	4.95E-08	1.40E-07	0.00E+00	1.89E-07	0.19	0.000858	222
630204_4278001	630204	4278001	3.9E-03	4.55E-08	1.28E-07	0.00E+00	1.74E-07	0.17	0.000789	223
630204_4278021	630204	4278021	3.5E-03	4.01E-08	1.13E-07	0.00E+00	1.53E-07	0.15	0.000696	224
630204_4278041	630204	4278041	3.0E-03	3.46E-08	9.76E-08	0.00E+00	1.32E-07	0.13	0.000601	225
630204_4278061	630204	4278061	2.6E-03	2.96E-08	8.36E-08	0.00E+00	1.13E-07	0.11	0.000514	226
630204_4278081	630204	4278081	2.2E-03	2.53E-08	7.15E-08	0.00E+00	9.68E-08	0.10	0.000440	227
630204_4278101	630204	4278101	1.9E-03	2.17E-08	6.13E-08	0.00E+00	8.30E-08	0.08	0.000377	228
630204_4278121	630204	4278121	1.6E-03	1.87E-08	5.28E-08	0.00E+00	7.16E-08	0.07	0.000325	229
630204_4278141	630204	4278141	1.4E-03	1.62E-08	4.58E-08	0.00E+00	6.21E-08	0.06	0.000282	230
630204_4278161	630204	4278161	1.2E-03	1.42E-08	4.00E-08	0.00E+00	5.42E-08	0.05	0.000246	231
630224_4277661	630224	4277661	5.4E-04	6.21E-09	1.75E-08	0.00E+00	2.37E-08	0.02	0.000108	232
630224_4277681	630224	4277681	6.3E-04	7.26E-09	2.05E-08	0.00E+00	2.77E-08	0.03	0.000126	233
630224_4277701	630224	4277701	7.4E-04	8.57E-09	2.42E-08	0.00E+00	3.27E-08	0.03	0.000149	234
630224_4277721	630224	4277721	8.9E-04	1.03E-08	2.89E-08	0.00E+00	3.92E-08	0.04	0.000178	235
630224_4277741	630224	4277741	1.1E-03	1.26E-08	3.55E-08	0.00E+00	4.80E-08	0.05	0.000218	236
630224_4277761	630224	4277761	1.4E-03	1.58E-08	4.44E-08	0.00E+00	6.02E-08	0.06	0.000273	237
630224_4277781	630224	4277781	1.8E-03	2.03E-08	5.73E-08	0.00E+00	7.76E-08	0.08	0.000353	238
630224_4277801	630224	4277801	2.3E-03	2.69E-08	7.60E-08	0.00E+00	1.03E-07	0.10	0.000467	239
630224_4277821	630224	4277821	3.2E-03	3.68E-08	1.04E-07	0.00E+00	1.41E-07	0.14	0.000639	240
630224_4277901	630224	4277901	8.0E-03	9.26E-08	2.61E-07	0.00E+00	3.54E-07	0.35	0.001607	241
630224_4277921	630224	4277921	8.8E-03	1.02E-07	2.86E-07	0.00E+00	3.88E-07	0.39	0.001762	242
630224_4277941	630224	4277941	9.1E-03	1.04E-07	2.95E-07	0.00E+00	3.99E-07	0.40	0.001812	243
630224_4277961	630224	4277961	8.8E-03	1.01E-07	2.85E-07	0.00E+00	3.86E-07	0.39	0.001754	244
630224_4277981	630224	4277981	7.6E-03	8.75E-08	2.47E-07	0.00E+00	3.34E-07	0.33	0.001518	245
630224_4278001	630224	4278001	6.2E-03	7.11E-08	2.01E-07	0.00E+00	2.72E-07	0.27	0.001234	246
630224_4278021	630224	4278021	4.9E-03	5.69E-08	1.60E-07	0.00E+00	2.17E-07	0.22	0.000986	247
630224_4278041	630224	4278041	4.0E-03	4.56E-08	1.29E-07	0.00E+00	1.74E-07	0.17	0.000791	248
630224_4278061	630224	4278061	3.2E-03	3.69E-08	1.04E-07	0.00E+00	1.41E-07	0.14	0.000641	249
630224_4278081	630224	4278081	2.6E-03	3.03E-08	8.55E-08	0.00E+00	1.16E-07	0.12	0.000526	250
630224_4278101	630224	4278101	2.2E-03	2.52E-08	7.11E-08	0.00E+00	9.63E-08	0.10	0.000437	251
630224_4278121	630224	4278121	1.8E-03	2.12E-08	5.98E-08	0.00E+00	8.10E-08	0.08	0.000368	252
630224_4278141	630224	4278141	1.6E-03	1.80E-08	5.09E-08	0.00E+00	6.89E-08	0.07	0.000313	253
630224_4278161	630224	4278161	1.3E-03	1.55E-08	4.37E-08	0.00E+00	5.92E-08	0.06	0.000269	254
630244_4277701	630244	4277701	9.0E-04	1.04E-08	2.93E-08	0.00E+00	3.97E-08	0.04	0.000180	255
630244_4277721	630244	4277721	1.1E-03	1.27E-08	3.59E-08	0.00E+00	4.86E-08	0.05	0.000221	256
630244_4277741	630244	4277741	1.4E-03	1.59E-08	4.50E-08	0.00E+00	6.09E-08	0.06	0.000277	257
630244_4277761	630244	4277761	1.8E-03	2.05E-08	5.79E-08	0.00E+00	7.85E-08	0.08	0.000356	258
630244_4277781	630244	4277781	2.4E-03	2.74E-08	7.73E-08	0.00E+00	1.05E-07	0.10	0.000476	259
630244_4277801	630244	4277801	3.3E-03	3.84E-08	1.08E-07	0.00E+00	1.47E-07	0.15	0.000667	260
630244_4277821	630244	4277821	4.9E-03	5.70E-08	1.61E-07	0.00E+00	2.18E-07	0.22	0.000988	261
630244_4277841	630244	4277841	7.6E-03	8.77E-08	2.47E-07	0.00E+00	3.35E-07	0.33	0.001521	262
630244_4277941	630244	4277941	2.0E-02	2.29E-07	6.45E-07	0.00E+00	8.74E-07	0.87	0.003968	263
630244_4277961	630244	4277961	1.7E-02	1.97E-07	5.57E-07	0.00E+00	7.54E-07	0.75	0.003425	264
630244_4277981	630244	4277981	1.2E-02	1.41E-07	3.98E-07	0.00E+00	5.39E-07	0.54	0.002450	265
630244_4278001	630244	4278001	8.7E-03	1.00E-07	2.82E-07	0.00E+00	3.82E-07	0.38	0.001735	266
630244_4278021	630244	4278021	6.3E-03	7.30E-08	2.06E-07	0.00E+00	2.79E-07	0.28	0.001266	267
630244_4278041	630244	4278041	4.8E-03	5.50E-08	1.55E-07	0.00E+00	2.10E-07	0.21	0.000955	268
630244_4278061	630244	4278061	3.7E-03	4.27E-08	1.20E-07	0.00E+00	1.63E-07	0.16	0.000741	269
630244_4278081	630244	4278081	2.9E-03	3.40E-08	9.59E-08	0.00E+00	1.30E-07	0.13	0.000590	270
630244_4278101	630244	4278101	2.4E-03	2.76E-08	7.79E-08	0.00E+00	1.06E-07	0.11	0.000479	271
630244_4278121	630244	4278121	2.0E-03	2.29E-08	6.45E-08	0.00E+00	8.73E-08	0.09	0.000397	272
630244_4278141	630244	4278141	1.7E-03	1.92E-08	5.41E-08	0.00E+00	7.33E-08	0.07	0.000333	273
630244_4278161	630244	4278161	1.4E-03	1.63E-08	4.60E-08	0.00E+00	6.24E-08	0.06	0.000283	274
630264_4277741	630264	4277741	1.8E-03	2.06E-08	5.82E-08	0.00E+00	7.88E-08	0.08	0.000358	275
630264_4277761	630264	4277761	2.4E-03	2.76E-08	7.78E-08	0.00E+00	1.05E-07	0.11	0.000479	276
630264_4277781	630264	4277781	3.4E-03	3.87E-08	1.09E-07	0.00E+00	1.48E-07	0.15	0.000671	277
630264_4277801	630264	4277801	5.0E-03	5.75E-08	1.62E-07	0.00E+00	2.20E-07	0.22	0.000997	278
630264_4277821	630264	4277821	8.0E-03	9.24E-08	2.61E-07	0.00E+00	3.53E-07	0.35	0.001603	279
630264_4277841	630264	4277841	1.4E-02	1.58E-07	4.46E-07	0.00E+00	6.05E-07	0.60	0.002745	280
630264_4277941	630264	4277941	2.9E-02	3.33E-07	9.38E-07	0.00E+00	1.27E-06	1.27	0.005771	281
630264_4277961	630264	4277961	2.3E-02	2.70E-07	7.63E-07	0.00E+00	1.03E-06	1.03	0.004692	282
630264_4277981	630264	4277981	1.5E-02	1.75E-07	4.94E-07	0.00E+00	6.69E-07	0.67	0.003037	283
630264_4278001	630264	4278001	1.0E-02	1.15E-07	3.25E-07	0.00E+00	4.41E-07	0.44	0.002001	284
630264_4278021	630264	4278021	7.0E-03	8.04E-08	2.27E-07	0.00E+00	3.07E-07	0.31	0.001395	285
630264_4278041	630264	4278041	5.1E-03	5.89E-08	1.66E-07	0.00E+00	2.25E-07	0.22	0.001022	286
630264_4278061	630264	4278061	3.9E-03	4.48E-08	1.26E-07	0.00E+00	1.71E-07	0.17	0.000778	287
630264_4278081	630264	4278081	3.1E-03	3.52E-08	9.93E-08	0.00E+00	1.35E-07	0.13	0.000611	288
630264_4278101	630264	4278101	2.5E-03	2.84E-08	8.00E-08	0.00E+00	1.08E-07	0.11	0.000492	289
630264_4278121	630264	4278121	2.0E-03	2.33E-08	6.57E-08	0.00E+00	8.90E-08	0.09	0.000404	290
630264_4278141	630264	4278141	1.7E-03	1.95E-08	5.49E-08	0.00E+00	7.43E-08	0.07	0.000337	291
630264_4278161	630264	4278161	1.4E-03	1.65E-08	4.65E-08	0.00E+00	6.29E-08	0.06	0.000286	292
630284_4277661	630284	4277661	8.7E-04	1.01E-08	2.84E-08	0.00E+00	3.84E-08	0.04	0.000175	293
630284_4277681	630284	4277681	1.1E-03	1.23E-08	3.47E-08	0.00E+00	4.71E-08	0.05	0.000214	294
630284_4277801	630284	4277801	6.7E-03	7.72E-08	2.18E-07	0.00E+00	2.95E-07	0.29	0.001339	295
630284_4277821	630284	4277821	1.1E-02	1.24E-07	3.50E-07	0.00E+00	4.74E-07	0.47	0.002155	296
630284_4277841	630284	4277841	1.8E-02	2.03E-07	5.73E-07	0.00E+00	7.76E-07	0.78	0.003525	297
630284_4277941	630284	4277941	2.6E-02	3.00E-07	8.46E-07	0.00E+00	1.15E-06	1.15	0.005207	298
630284_4277961	630284	4277961	2.1E-02	2.40E-07	6.76E-07	0.00E+00	9.16E-07	0.92	0.004158	299
630284_4277981	630284	4277981	1.4E-02	1.57E-07	4.42E-07	0.00E+00	5.98E-07	0.60	0.002718	300
630284_4278001	630284	4278001	9.1E-03	1.05E-07	2.96E-07	0.00E+00	4.01E-07	0.40	0.001823	301
630284_4278021	630284	4278021	6.5E-03	7.44E-08	2.10E-07	0.00E+00	2.84E-07	0.28	0.001290	302
630284_4278041	630284	4278041	4.8E-03	5.51E-08	1.55E-07	0.00E+00	2.11E-07	0.21	0.000956	303
630284_4278061	630284	4278061	3.7E-03	4.23E-08	1.19E-07	0.00E+00	1.62E-07	0.16	0.000735	304
630284_4278081	630284	4278081	2.9E-03	3.35E-08	9.44E-08	0.00E+00	1.28E-07	0.13	0.000581	305
630284_4278101	630284	4278101	2.4E-03	2.71E-08	7.64E-08	0.00E+00	1.04E-07	0.10	0.000470	306
630284_4278121	630284	4278121	1.9E-03	2.23E-08	6.30E-08	0.00E+00	8.54E-08	0.09	0.000388	307
630284_4278141	630284	4278141	1.6E-03	1.87E-08	5.28E-08	0.00E+00	7.16E-08	0.07	0.000325	308
630284_4278161	630284	4278161	1.4E-03	1.59E-08	4.49E-08	0.00E+00	6.08E-08	0.06	0.000276	309
630304_4277661	630304	4277661	1.0E-03	1.17E-08	3.30E-08	0.00E+00	4.48E-08	0.04	0.000203	310
630304_4277681	630304	4277681	1.3E-03	1.44E-08	4.06E-08	0.00E+00	5.51E-08	0.06	0.000250	311
630304_4277701	630304	4277701	1.6E-03	1.81E-08	5.10E-08	0.00E+00	6.91E-08	0.07	0.000314	312
630304_4277721	630304	4277721	2.0E-03	2.33E-08	6.56E-08	0.00E+00	8.88E-08	0.09	0.000403	313
630324_4277661	630324	4277661	1.1E-03	1.32E-08	3.72E-08	0.00E+00	5.04E-08	0.05	0.000229	314
630324_4277681	630324	4277681	1.4E-03	1.62E-08	4.56E-08	0.00E+00	6.18E-08	0.06	0.000281	315
630324_4277701	630324	4277701	1.7E-03	2.01E-08	5.68E-08	0.00E+00	7.69E-08	0.08	0.000349	316
630324_4277721	630324	4277721	2.2E-03	2.55E-08	7.18E-08	0.00E+00	9.73E-08	0.10	0.000442	317
630324_4277741	630324	4277741	2.8E-03	3.27E-08	9.23E-08	0.00E+00	1.25E-07	0.13	0.000568	318
630324_4277761	630324	4277761	3.7E-03	4.26E-08	1.20E-07	0.00E+00	1.63E-07	0.16	0.000739	319
630324_4277781	630324	4277781	4.8E-03	5.59E-08	1.58E-07	0.00E+00	2.14E-07	0.21	0.000970	320
630344_4277661	630344	4277661	1.2E-03	1.42E-08	4.00E-08	0.00E+00	5.42E-08	0.05	0.000246	321
630344_4277681	630344	4277681	1.5E-03	1.72E-08	4.84E-08	0.00E+00	6.55E-08	0.07	0.000298	322
630344_4277701	630344	4277701	1.8E-03	2.09E-08	5.90E-08	0.00E+00	7.99E-08	0.08	0.000363	323
630344_4277721	630344	4277721	2.2E-03	2.56E-08	7.23E-08	0.00E+00	9.80E-08	0.10	0.000445	324
630344_4277741	630344	4277741	2.7E-03	3.15E-08	8.89E-08	0.00E+00	1.20E-07	0.12	0.000547	325

630344_4277761	630344	4277761	3.4E-03	3.87E-08	1.09E-07	0.00E+00	1.48E-07	0.15	0.000671	326
630344_4277781	630344	4277781	4.1E-03	4.68E-08	1.32E-07	0.00E+00	1.79E-07	0.18	0.000812	327
630344_4277801	630344	4277801	4.8E-03	5.51E-08	1.55E-07	0.00E+00	2.10E-07	0.21	0.000955	328
630344_4277821	630344	4277821	5.3E-03	6.16E-08	1.74E-07	0.00E+00	2.35E-07	0.24	0.001069	329
630344_4277881	630344	4277881	5.0E-03	5.78E-08	1.63E-07	0.00E+00	2.21E-07	0.22	0.001003	330
630344_4277901	630344	4277901	4.6E-03	5.35E-08	1.51E-07	0.00E+00	2.04E-07	0.20	0.000927	331
630344_4277921	630344	4277921	4.4E-03	5.04E-08	1.42E-07	0.00E+00	1.93E-07	0.19	0.000874	332
630344_4277941	630344	4277941	4.2E-03	4.79E-08	1.35E-07	0.00E+00	1.83E-07	0.18	0.000831	333
630344_4277961	630344	4277961	3.8E-03	4.41E-08	1.24E-07	0.00E+00	1.68E-07	0.17	0.000765	334
630344_4277981	630344	4277981	3.4E-03	3.93E-08	1.11E-07	0.00E+00	1.50E-07	0.15	0.000681	335
630344_4278001	630344	4278001	3.0E-03	3.43E-08	9.67E-08	0.00E+00	1.31E-07	0.13	0.000595	336
630344_4278021	630344	4278021	2.6E-03	2.96E-08	8.34E-08	0.00E+00	1.13E-07	0.11	0.000513	337
630344_4278041	630344	4278041	2.2E-03	2.54E-08	7.16E-08	0.00E+00	9.70E-08	0.10	0.000440	338
630344_4278061	630344	4278061	1.9E-03	2.19E-08	6.17E-08	0.00E+00	8.36E-08	0.08	0.000380	339
630344_4278081	630344	4278081	1.7E-03	1.90E-08	5.37E-08	0.00E+00	7.27E-08	0.07	0.000330	340
630344_4278101	630344	4278101	1.4E-03	1.66E-08	4.69E-08	0.00E+00	6.35E-08	0.06	0.000289	341
630344_4278121	630344	4278121	1.3E-03	1.46E-08	4.11E-08	0.00E+00	5.57E-08	0.06	0.000253	342
630344_4278141	630344	4278141	1.1E-03	1.28E-08	3.62E-08	0.00E+00	4.90E-08	0.05	0.000222	343
630344_4278161	630344	4278161	9.8E-04	1.13E-08	3.20E-08	0.00E+00	4.33E-08	0.04	0.000197	344
630364_4277661	630364	4277661	1.3E-03	1.44E-08	4.07E-08	0.00E+00	5.52E-08	0.06	0.000251	345
630364_4277681	630364	4277681	1.5E-03	1.71E-08	4.81E-08	0.00E+00	6.52E-08	0.07	0.000296	346
630364_4277701	630364	4277701	1.7E-03	2.02E-08	5.69E-08	0.00E+00	7.70E-08	0.08	0.000350	347
630364_4277721	630364	4277721	2.1E-03	2.38E-08	6.70E-08	0.00E+00	9.08E-08	0.09	0.000412	348
630364_4277741	630364	4277741	2.4E-03	2.78E-08	7.84E-08	0.00E+00	1.06E-07	0.11	0.000482	349
630364_4277761	630364	4277761	2.8E-03	3.20E-08	9.03E-08	0.00E+00	1.22E-07	0.12	0.000556	350
630364_4277781	630364	4277781	3.1E-03	3.60E-08	1.02E-07	0.00E+00	1.38E-07	0.14	0.000625	351
630364_4277801	630364	4277801	3.4E-03	3.90E-08	1.10E-07	0.00E+00	1.49E-07	0.15	0.000677	352
630364_4277821	630364	4277821	3.5E-03	4.02E-08	1.13E-07	0.00E+00	1.53E-07	0.15	0.000697	353
630364_4277881	630364	4277881	2.9E-03	3.35E-08	9.44E-08	0.00E+00	1.28E-07	0.13	0.000581	354
630364_4277901	630364	4277901	2.7E-03	3.14E-08	8.86E-08	0.00E+00	1.20E-07	0.12	0.000545	355
630364_4277921	630364	4277921	2.6E-03	3.03E-08	8.56E-08	0.00E+00	1.16E-07	0.12	0.000526	356
630364_4277941	630364	4277941	2.5E-03	2.93E-08	8.27E-08	0.00E+00	1.12E-07	0.11	0.000509	357
630364_4277961	630364	4277961	2.4E-03	2.78E-08	7.83E-08	0.00E+00	1.06E-07	0.11	0.000482	358
630364_4277981	630364	4277981	2.2E-03	2.57E-08	7.24E-08	0.00E+00	9.81E-08	0.10	0.000445	359
630364_4278001	630364	4278001	2.0E-03	2.33E-08	6.58E-08	0.00E+00	8.91E-08	0.09	0.000405	360
630364_4278021	630364	4278021	1.8E-03	2.09E-08	5.90E-08	0.00E+00	8.00E-08	0.08	0.000363	361
630364_4278041	630364	4278041	1.6E-03	1.86E-08	5.25E-08	0.00E+00	7.12E-08	0.07	0.000323	362
630364_4278061	630364	4278061	1.4E-03	1.66E-08	4.68E-08	0.00E+00	6.34E-08	0.06	0.000288	363
630364_4278081	630364	4278081	1.3E-03	1.48E-08	4.18E-08	0.00E+00	5.67E-08	0.06	0.000257	364
630364_4278101	630364	4278101	1.2E-03	1.33E-08	3.75E-08	0.00E+00	5.08E-08	0.05	0.000231	365
630364_4278121	630364	4278121	1.0E-03	1.19E-08	3.36E-08	0.00E+00	4.55E-08	0.05	0.000207	366
630364_4278141	630364	4278141	9.3E-04	1.07E-08	3.01E-08	0.00E+00	4.08E-08	0.04	0.000185	367
630364_4278161	630364	4278161	8.3E-04	9.59E-09	2.71E-08	0.00E+00	3.66E-08	0.04	0.000166	368
630384_4277661	630384	4277661	1.2E-03	1.40E-08	3.95E-08	0.00E+00	5.34E-08	0.05	0.000243	369
630384_4277681	630384	4277681	1.4E-03	1.61E-08	4.53E-08	0.00E+00	6.13E-08	0.06	0.000278	370
630384_4277701	630384	4277701	1.6E-03	1.83E-08	5.17E-08	0.00E+00	7.00E-08	0.07	0.000318	371
630384_4277721	630384	4277721	1.8E-03	2.07E-08	5.84E-08	0.00E+00	7.91E-08	0.08	0.000359	372
630384_4277741	630384	4277741	2.0E-03	2.31E-08	6.51E-08	0.00E+00	8.82E-08	0.09	0.000400	373
630384_4277761	630384	4277761	2.2E-03	2.52E-08	7.10E-08	0.00E+00	9.62E-08	0.10	0.000437	374
630384_4277781	630384	4277781	2.3E-03	2.67E-08	7.54E-08	0.00E+00	1.02E-07	0.10	0.000464	375
630384_4277801	630384	4277801	2.4E-03	2.74E-08	7.72E-08	0.00E+00	1.05E-07	0.10	0.000475	376
630384_4277821	630384	4277821	2.3E-03	2.68E-08	7.55E-08	0.00E+00	1.02E-07	0.10	0.000464	377
630384_4277881	630384	4277881	1.9E-03	2.15E-08	6.05E-08	0.00E+00	8.20E-08	0.08	0.000372	378
630384_4277901	630384	4277901	1.8E-03	2.04E-08	5.76E-08	0.00E+00	7.80E-08	0.08	0.000354	379
630384_4277921	630384	4277921	1.7E-03	2.00E-08	5.63E-08	0.00E+00	7.63E-08	0.08	0.000346	380
630384_4277941	630384	4277941	1.7E-03	1.95E-08	5.50E-08	0.00E+00	7.46E-08	0.07	0.000339	381
630384_4277961	630384	4277961	1.6E-03	1.88E-08	5.30E-08	0.00E+00	7.18E-08	0.07	0.000326	382
630384_4277981	630384	4277981	1.5E-03	1.78E-08	5.01E-08	0.00E+00	6.79E-08	0.07	0.000308	383
630384_4278001	630384	4278001	1.4E-03	1.66E-08	4.67E-08	0.00E+00	6.32E-08	0.06	0.000287	384
630384_4278021	630384	4278021	1.3E-03	1.53E-08	4.31E-08	0.00E+00	5.83E-08	0.06	0.000265	385
630384_4278041	630384	4278041	1.2E-03	1.40E-08	3.95E-08	0.00E+00	5.34E-08	0.05	0.000243	386
630384_4278061	630384	4278061	1.1E-03	1.28E-08	3.60E-08	0.00E+00	4.88E-08	0.05	0.000222	387
630384_4278081	630384	4278081	1.0E-03	1.16E-08	3.28E-08	0.00E+00	4.45E-08	0.04	0.000202	388
630384_4278101	630384	4278101	9.2E-04	1.06E-08	2.99E-08	0.00E+00	4.05E-08	0.04	0.000184	389
630384_4278121	630384	4278121	8.4E-04	9.65E-09	2.72E-08	0.00E+00	3.69E-08	0.04	0.000167	390
630384_4278141	630384	4278141	7.6E-04	8.80E-09	2.48E-08	0.00E+00	3.36E-08	0.03	0.000153	391
630384_4278161	630384	4278161	7.0E-04	8.03E-09	2.26E-08	0.00E+00	3.07E-08	0.03	0.000139	392
630404_4277661	630404	4277661	1.1E-03	1.30E-08	3.66E-08	0.00E+00	4.95E-08	0.05	0.000225	393
630404_4277681	630404	4277681	1.3E-03	1.44E-08	4.07E-08	0.00E+00	5.52E-08	0.06	0.000251	394
630404_4277701	630404	4277701	1.4E-03	1.59E-08	4.49E-08	0.00E+00	6.09E-08	0.06	0.000276	395
630404_4277721	630404	4277721	1.5E-03	1.73E-08	4.89E-08	0.00E+00	6.62E-08	0.07	0.000301	396
630404_4277741	630404	4277741	1.6E-03	1.85E-08	5.23E-08	0.00E+00	7.08E-08	0.07	0.000321	397
630404_4277761	630404	4277761	1.7E-03	1.94E-08	5.46E-08	0.00E+00	7.40E-08	0.07	0.000336	398
630404_4277781	630404	4277781	1.7E-03	1.97E-08	5.56E-08	0.00E+00	7.53E-08	0.08	0.000342	399
630404_4277801	630404	4277801	1.7E-03	1.94E-08	5.48E-08	0.00E+00	7.42E-08	0.07	0.000337	400
630404_4277821	630404	4277821	1.6E-03	1.85E-08	5.21E-08	0.00E+00	7.05E-08	0.07	0.000320	401
630404_4277881	630404	4277881	1.3E-03	1.48E-08	4.17E-08	0.00E+00	5.65E-08	0.06	0.000257	402
630404_4277901	630404	4277901	1.2E-03	1.43E-08	4.02E-08	0.00E+00	5.45E-08	0.05	0.000248	403
630404_4277921	630404	4277921	1.2E-03	1.40E-08	3.96E-08	0.00E+00	5.36E-08	0.05	0.000243	404
630404_4277941	630404	4277941	1.2E-03	1.38E-08	3.90E-08	0.00E+00	5.28E-08	0.05	0.000240	405
630404_4277961	630404	4277961	1.2E-03	1.35E-08	3.79E-08	0.00E+00	5.14E-08	0.05	0.000233	406
630404_4277981	630404	4277981	1.1E-03	1.29E-08	3.64E-08	0.00E+00	4.93E-08	0.05	0.000224	407
630404_4278001	630404	4278001	1.1E-03	1.22E-08	3.45E-08	0.00E+00	4.67E-08	0.05	0.000212	408
630404_4278021	630404	4278021	9.9E-04	1.15E-08	3.23E-08	0.00E+00	4.38E-08	0.04	0.000199	409
630404_4278041	630404	4278041	9.3E-04	1.07E-08	3.02E-08	0.00E+00	4.08E-08	0.04	0.000185	410
630404_4278061	630404	4278061	8.6E-04	9.92E-09	2.80E-08	0.00E+00	3.79E-08	0.04	0.000172	411
630404_4278081	630404	4278081	8.0E-04	9.17E-09	2.59E-08	0.00E+00	3.50E-08	0.04	0.000159	412
630404_4278101	630404	4278101	7.4E-04	8.49E-09	2.39E-08	0.00E+00	3.24E-08	0.03	0.000147	413
630404_4278121	630404	4278121	6.8E-04	7.84E-09	2.21E-08	0.00E+00	3.00E-08	0.03	0.000136	414
630404_4278141	630404	4278141	6.3E-04	7.25E-09	2.04E-08	0.00E+00	2.77E-08	0.03	0.000126	415
630404_4278161	630404	4278161	5.8E-04	6.70E-09	1.89E-08	0.00E+00	2.56E-08	0.03	0.000116	416
630424_4277661	630424	4277661	1.0E-03	1.16E-08	3.28E-08	0.00E+00	4.44E-08	0.04	0.000202	417
630424_4277681	630424	4277681	1.1E-03	1.26E-08	3.55E-08	0.00E+00	4.81E-08	0.05	0.000219	418
630424_4277701	630424	4277701	1.2E-03	1.35E-08	3.80E-08	0.00E+00	5.15E-08	0.05	0.000234	419
630424_4277721	630424	4277721	1.2E-03	1.42E-08	4.00E-08	0.00E+00	5.42E-08	0.05	0.000246	420
630424_4277741	630424	4277741	1.3E-03	1.47E-08	4.14E-08	0.00E+00	5.60E-08	0.06	0.000255	421
630424_4277761	630424	4277761	1.3E-03	1.48E-08	4.19E-08	0.00E+00	5.67E-08	0.06	0.000257	422
630424_4277781	630424	4277781	1.3E-03	1.47E-08	4.14E-08	0.00E+00	5.61E-08	0.06	0.000255	423
630424_4277801	630424	4277801	1.2E-03	1.41E-08	3.98E-08	0.00E+00	5.39E-08	0.05	0.000245	424
630424_4277821	630424	4277821	1.1E-03	1.32E-08	3.73E-08	0.00E+00	5.05E-08	0.05	0.000229	425
630424_4277881	630424	4277881	9.3E-04	1.08E-08	3.03E-08	0.00E+00	4.11E-08	0.04	0.000187	426
630424_4277901	630424	4277901	9.1E-04	1.05E-08	2.95E-08	0.00E+00	4.00E-08	0.04	0.000182	427
630424_4277921	630424	4277921	9.0E-04	1.04E-08	2.92E-08	0.00E+00	3.96E-08	0.04	0.000180	428
630424_4277941	630424	4277941	8.9E-04	1.02E-08	2.89E-08	0.00E+00	3.92E-08	0.04	0.000178	429
630424_4277961	630424	4277961	8.7E-04	1.01E-08	2.83E-08	0.00E+00	3.84E-08	0.04	0.000174	430
630424_4277981	630424	4277981	8.4E-04	9.74E-09	2.75E-08	0.00E+00	3.72E-08	0.04	0.000169	431
630424_4278001	630424	4278001	8.1E-04	9.33E-09	2.63E-08	0.00E+00	3.56E-08	0.04	0.000162	432
630424_4278021	630424	4278021	7.7E-04	8.86E-09	2.50E-08	0.00E+00	3.39E-08	0.03	0.000154	433
630424_4278041	630424	4278041	7.2E-04	8.33E-09	2.35E-08	0.00E+00	3.18E-08	0.03	0.000145	434
630424_4278061	630424	4278061	6.8E-04	7.81E-09	2.20E-08	0.00E+00	2.99E-08	0.03	0.000136	435
630424_4278081	630424	4278081	6.3E-04	7.31E-09	2.06E-08	0.00E+00	2.79E-08	0.03	0.000127	436
630424_4278101	630424	4278101	5.9E-04	6.85E-09	1.93E-08	0.00E+00	2.62E-08	0.03	0.000119	437
630424_4278121	630424	4278121	5.6E-04	6.43E-09	1.81E-08	0.00E+00	2.46E-08	0.02	0.000112	438
630424_4278141	630424	4278141	5.2E-04	6.00E-09	1.69E-08	0.00E+00	2.29E-08	0.02	0.000104	439
630424_4278161	630424	4278161	4.9E-04	5.60E-09	1.58E-08	0.00E+00	2.14E-08	0.02	0.000097	440
630444_4277661	630444	4277661	8.8E-04	1.02E-08	2.88E-08	0.00E+00	3.90E-08	0.04	0.000177	441
630444_4277681	630444	4277681	9.3E-04	1.08E-08	3.04E-08	0.00E+00	4.12E-08	0.04	0.000187	442
630444_4277701	630444	4277701	9.7E-04	1.12E-08	3.16E-08	0.00E+00	4.29E-08	0.04	0.000195	443
630444_4277721	630444	4277721	1.0E-03	1.15E-08	3.24E-08	0.00E+00	4.39E-08	0.04	0.000199	444
630444_4277741	630444	4277741	1.0E-03	1.16E-08	3.27E-08	0.00E+00	4.42E-08	0.04	0.000201	445
630444_4277761	630444	4277761	9.9E-04	1.14E-08	3.23E-08	0.00E+00	4.37E-08	0.04	0.000198	446
630444_4277781	630444	4277781	9.6E-04	1.11E-08	3.13E-08	0.00E+00	4.24E-08	0.04	0.000192	447

630444_4277801	630444	4277801	9.1E-04	1.05E-08	2.97E-08	0.00E+00	4.02E-08	0.04	0.000183	448
630444_4277821	630444	4277821	8.5E-04	9.79E-09	2.76E-08	0.00E+00	3.74E-08	0.04	0.000170	449
630444_4277881	630444	4277881	7.1E-04	8.15E-09	2.30E-08	0.00E+00	3.11E-08	0.03	0.000141	450
630444_4277901	630444	4277901	6.9E-04	7.98E-09	2.25E-08	0.00E+00	3.05E-08	0.03	0.000139	451
630444_4277921	630444	4277921	6.9E-04	7.93E-09	2.24E-08	0.00E+00	3.03E-08	0.03	0.000138	452
630444_4277941	630444	4277941	6.8E-04	7.88E-09	2.22E-08	0.00E+00	3.01E-08	0.03	0.000137	453
630444_4277961	630444	4277961	6.7E-04	7.77E-09	2.19E-08	0.00E+00	2.97E-08	0.03	0.000135	454
630444_4277981	630444	4277981	6.6E-04	7.58E-09	2.14E-08	0.00E+00	2.90E-08	0.03	0.000131	455
630444_4278001	630444	4278001	6.4E-04	7.32E-09	2.06E-08	0.00E+00	2.80E-08	0.03	0.000127	456
630444_4278021	630444	4278021	6.1E-04	6.99E-09	1.97E-08	0.00E+00	2.67E-08	0.03	0.000121	457
630444_4278041	630444	4278041	5.8E-04	6.63E-09	1.87E-08	0.00E+00	2.53E-08	0.03	0.000115	458
630444_4278061	630444	4278061	5.4E-04	6.28E-09	1.77E-08	0.00E+00	2.40E-08	0.02	0.000109	459
630444_4278081	630444	4278081	5.2E-04	5.94E-09	1.68E-08	0.00E+00	2.27E-08	0.02	0.000103	460
630444_4278101	630444	4278101	4.9E-04	5.62E-09	1.59E-08	0.00E+00	2.15E-08	0.02	0.000098	461
630444_4278121	630444	4278121	4.6E-04	5.33E-09	1.50E-08	0.00E+00	2.04E-08	0.02	0.000092	462
630444_4278141	630444	4278141	4.4E-04	5.02E-09	1.41E-08	0.00E+00	1.92E-08	0.02	0.000087	463
630444_4278161	630444	4278161	4.1E-04	4.72E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.000082	464
630464_4277661	630464	4277661	7.6E-04	8.81E-09	2.48E-08	0.00E+00	3.36E-08	0.03	0.000153	465
630464_4277681	630464	4277681	7.9E-04	9.11E-09	2.57E-08	0.00E+00	3.48E-08	0.03	0.000158	466
630464_4277701	630464	4277701	8.1E-04	9.29E-09	2.62E-08	0.00E+00	3.55E-08	0.04	0.000161	467
630464_4277721	630464	4277721	8.1E-04	9.31E-09	2.63E-08	0.00E+00	3.56E-08	0.04	0.000162	468
630464_4277741	630464	4277741	8.0E-04	9.20E-09	2.59E-08	0.00E+00	3.51E-08	0.04	0.000160	469
630464_4277761	630464	4277761	7.7E-04	8.93E-09	2.52E-08	0.00E+00	3.41E-08	0.03	0.000155	470
630464_4277781	630464	4277781	7.4E-04	8.55E-09	2.41E-08	0.00E+00	3.26E-08	0.03	0.000148	471
630464_4277801	630464	4277801	7.0E-04	8.05E-09	2.27E-08	0.00E+00	3.07E-08	0.03	0.000140	472
630464_4277821	630464	4277821	6.5E-04	7.48E-09	2.11E-08	0.00E+00	2.86E-08	0.03	0.000130	473
630464_4277881	630464	4277881	5.5E-04	6.37E-09	1.80E-08	0.00E+00	2.43E-08	0.02	0.000111	474
630464_4277901	630464	4277901	5.4E-04	6.27E-09	1.77E-08	0.00E+00	2.40E-08	0.02	0.000109	475
630464_4277921	630464	4277921	5.4E-04	6.25E-09	1.76E-08	0.00E+00	2.39E-08	0.02	0.000108	476
630464_4277941	630464	4277941	5.4E-04	6.23E-09	1.76E-08	0.00E+00	2.38E-08	0.02	0.000108	477
630464_4277961	630464	4277961	5.3E-04	6.16E-09	1.74E-08	0.00E+00	2.35E-08	0.02	0.000107	478
630464_4277981	630464	4277981	5.2E-04	6.05E-09	1.71E-08	0.00E+00	2.31E-08	0.02	0.000105	479
630464_4278001	630464	4278001	5.1E-04	5.86E-09	1.65E-08	0.00E+00	2.24E-08	0.02	0.000102	480
630464_4278021	630464	4278021	4.9E-04	5.63E-09	1.59E-08	0.00E+00	2.15E-08	0.02	0.000098	481
630464_4278041	630464	4278041	4.7E-04	5.38E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.000093	482
630464_4278061	630464	4278061	4.5E-04	5.15E-09	1.45E-08	0.00E+00	1.97E-08	0.02	0.000089	483
630464_4278081	630464	4278081	4.3E-04	4.92E-09	1.39E-08	0.00E+00	1.88E-08	0.02	0.000085	484
630464_4278101	630464	4278101	4.1E-04	4.69E-09	1.32E-08	0.00E+00	1.79E-08	0.02	0.000081	485
630464_4278121	630464	4278121	3.9E-04	4.47E-09	1.26E-08	0.00E+00	1.71E-08	0.02	0.000078	486
630464_4278141	630464	4278141	3.7E-04	4.23E-09	1.19E-08	0.00E+00	1.62E-08	0.02	0.000073	487
630464_4278161	630464	4278161	3.5E-04	4.01E-09	1.13E-08	0.00E+00	1.53E-08	0.02	0.000070	488
630484_4277661	630484	4277661	6.5E-04	7.52E-09	2.12E-08	0.00E+00	2.87E-08	0.03	0.000131	489
630484_4277681	630484	4277681	6.6E-04	7.65E-09	2.16E-08	0.00E+00	2.92E-08	0.03	0.000133	490
630484_4277701	630484	4277701	6.7E-04	7.67E-09	2.16E-08	0.00E+00	2.93E-08	0.03	0.000133	491
630484_4277721	630484	4277721	6.6E-04	7.57E-09	2.13E-08	0.00E+00	2.89E-08	0.03	0.000131	492
630484_4277741	630484	4277741	6.4E-04	7.37E-09	2.08E-08	0.00E+00	2.81E-08	0.03	0.000128	493
630484_4277761	630484	4277761	6.1E-04	7.07E-09	1.99E-08	0.00E+00	2.70E-08	0.03	0.000123	494
630484_4277781	630484	4277781	5.8E-04	6.70E-09	1.89E-08	0.00E+00	2.56E-08	0.03	0.000116	495
630484_4277801	630484	4277801	5.5E-04	6.29E-09	1.78E-08	0.00E+00	2.40E-08	0.02	0.000109	496
630484_4277821	630484	4277821	5.1E-04	5.87E-09	1.66E-08	0.00E+00	2.24E-08	0.02	0.000102	497
630484_4277881	630484	4277881	4.4E-04	5.11E-09	1.44E-08	0.00E+00	1.95E-08	0.02	0.000089	498
630484_4277901	630484	4277901	4.4E-04	5.05E-09	1.42E-08	0.00E+00	1.93E-08	0.02	0.000088	499
630484_4277921	630484	4277921	4.4E-04	5.04E-09	1.42E-08	0.00E+00	1.93E-08	0.02	0.000087	500
630484_4277941	630484	4277941	4.4E-04	5.03E-09	1.42E-08	0.00E+00	1.92E-08	0.02	0.000087	501
630484_4277961	630484	4277961	4.3E-04	5.00E-09	1.41E-08	0.00E+00	1.91E-08	0.02	0.000087	502
630484_4277981	630484	4277981	4.3E-04	4.92E-09	1.39E-08	0.00E+00	1.88E-08	0.02	0.000085	503
630484_4278001	630484	4278001	4.2E-04	4.79E-09	1.35E-08	0.00E+00	1.83E-08	0.02	0.000083	504
630484_4278021	630484	4278021	4.0E-04	4.63E-09	1.31E-08	0.00E+00	1.77E-08	0.02	0.000080	505
630484_4278041	630484	4278041	3.9E-04	4.46E-09	1.26E-08	0.00E+00	1.70E-08	0.02	0.000077	506
630484_4278061	630484	4278061	3.7E-04	4.29E-09	1.21E-08	0.00E+00	1.64E-08	0.02	0.000074	507
630484_4278081	630484	4278081	3.6E-04	4.13E-09	1.16E-08	0.00E+00	1.58E-08	0.02	0.000072	508
630484_4278101	630484	4278101	3.4E-04	3.96E-09	1.12E-08	0.00E+00	1.51E-08	0.02	0.000069	509
630484_4278121	630484	4278121	3.3E-04	3.79E-09	1.07E-08	0.00E+00	1.45E-08	0.01	0.000066	510
630484_4278141	630484	4278141	3.1E-04	3.61E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.000063	511
630484_4278161	630484	4278161	3.0E-04	3.43E-09	9.68E-09	0.00E+00	1.31E-08	0.01	0.000060	512
630504_4277661	630504	4277661	5.6E-04	6.40E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.000111	513
630504_4277681	630504	4277681	5.6E-04	6.42E-09	1.81E-08	0.00E+00	2.45E-08	0.02	0.000111	514
630504_4277701	630504	4277701	5.5E-04	6.35E-09	1.79E-08	0.00E+00	2.43E-08	0.02	0.000110	515
630504_4277721	630504	4277721	5.4E-04	6.19E-09	1.75E-08	0.00E+00	2.37E-08	0.02	0.000107	516
630504_4277741	630504	4277741	5.2E-04	5.97E-09	1.68E-08	0.00E+00	2.28E-08	0.02	0.000104	517
630504_4277761	630504	4277761	4.9E-04	5.68E-09	1.60E-08	0.00E+00	2.17E-08	0.02	0.000099	518
630504_4277781	630504	4277781	4.7E-04	5.36E-09	1.51E-08	0.00E+00	2.05E-08	0.02	0.000093	519
630504_4277801	630504	4277801	4.4E-04	5.03E-09	1.42E-08	0.00E+00	1.92E-08	0.02	0.000087	520
630504_4277821	630504	4277821	4.1E-04	4.72E-09	1.33E-08	0.00E+00	1.80E-08	0.02	0.000082	521
630504_4277881	630504	4277881	3.6E-04	4.18E-09	1.18E-08	0.00E+00	1.60E-08	0.02	0.000073	522
630504_4277901	630504	4277901	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.58E-08	0.02	0.000072	523
630504_4277921	630504	4277921	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.58E-08	0.02	0.000072	524
630504_4277941	630504	4277941	3.6E-04	4.15E-09	1.17E-08	0.00E+00	1.58E-08	0.02	0.000072	525
630504_4277961	630504	4277961	3.6E-04	4.13E-09	1.16E-08	0.00E+00	1.58E-08	0.02	0.000072	526
630504_4277981	630504	4277981	3.5E-04	4.08E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.000071	527
630504_4278001	630504	4278001	3.5E-04	3.98E-09	1.12E-08	0.00E+00	1.52E-08	0.02	0.000069	528
630504_4278021	630504	4278021	3.4E-04	3.87E-09	1.09E-08	0.00E+00	1.48E-08	0.01	0.000067	529
630504_4278041	630504	4278041	3.3E-04	3.75E-09	1.06E-08	0.00E+00	1.43E-08	0.01	0.000065	530
630504_4278061	630504	4278061	3.1E-04	3.62E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.000063	531
630504_4278081	630504	4278081	3.0E-04	3.50E-09	9.87E-09	0.00E+00	1.34E-08	0.01	0.000061	532
630504_4278101	630504	4278101	2.9E-04	3.37E-09	9.52E-09	0.00E+00	1.29E-08	0.01	0.000059	533
630504_4278121	630504	4278121	2.8E-04	3.24E-09	9.15E-09	0.00E+00	1.24E-08	0.01	0.000056	534
630504_4278141	630504	4278141	2.7E-04	3.11E-09	8.76E-09	0.00E+00	1.19E-08	0.01	0.000054	535
630504_4278161	630504	4278161	2.6E-04	2.97E-09	8.37E-09	0.00E+00	1.13E-08	0.01	0.000051	536
630524_4277661	630524	4277661	4.7E-04	5.44E-09	1.54E-08	0.00E+00	2.08E-08	0.02	0.000094	537
630524_4277681	630524	4277681	4.7E-04	5.40E-09	1.52E-08	0.00E+00	2.06E-08	0.02	0.000094	538
630524_4277701	630524	4277701	4.6E-04	5.29E-09	1.49E-08	0.00E+00	2.02E-08	0.02	0.000092	539
630524_4277721	630524	4277721	4.4E-04	5.12E-09	1.44E-08	0.00E+00	1.95E-08	0.02	0.000089	540
630524_4277741	630524	4277741	4.2E-04	4.90E-09	1.38E-08	0.00E+00	1.87E-08	0.02	0.000085	541
630524_4277761	630524	4277761	4.0E-04	4.64E-09	1.31E-08	0.00E+00	1.77E-08	0.02	0.000081	542
630524_4277781	630524	4277781	3.8E-04	4.37E-09	1.23E-08	0.00E+00	1.67E-08	0.02	0.000076	543
630524_4277801	630524	4277801	3.6E-04	4.10E-09	1.16E-08	0.00E+00	1.57E-08	0.02	0.000071	544
630524_4277821	630524	4277821	3.4E-04	3.86E-09	1.09E-08	0.00E+00	1.48E-08	0.01	0.000067	545
630524_4277881	630524	4277881	3.0E-04	3.48E-09	9.82E-09	0.00E+00	1.33E-08	0.01	0.000060	546
630524_4277901	630524	4277901	3.0E-04	3.46E-09	9.76E-09	0.00E+00	1.32E-08	0.01	0.000060	547
630524_4277921	630524	4277921	3.0E-04	3.46E-09	9.77E-09	0.00E+00	1.32E-08	0.01	0.000060	548
630524_4277941	630524	4277941	3.0E-04	3.47E-09	9.78E-09	0.00E+00	1.33E-08	0.01	0.000060	549
630524_4277961	630524	4277961	3.0E-04	3.46E-09	9.76E-09	0.00E+00	1.32E-08	0.01	0.000060	550
630524_4277981	630524	4277981	3.0E-04	3.43E-09	9.66E-09	0.00E+00	1.31E-08	0.01	0.000059	551
630524_4278001	630524	4278001	2.9E-04	3.36E-09	9.47E-09	0.00E+00	1.28E-08	0.01	0.000058	552
630524_4278021	630524	4278021	2.8E-04	3.28E-09	9.24E-09	0.00E+00	1.25E-08	0.01	0.000057	553
630524_4278041	630524	4278041	2.8E-04	3.19E-09	8.99E-09	0.00E+00	1.22E-08	0.01	0.000055	554
630524_4278061	630524	4278061	2.7E-04	3.09E-09	8.72E-09	0.00E+00	1.18E-08	0.01	0.000054	555
630524_4278081	630524	4278081	2.6E-04	3.00E-09	8.46E-09	0.00E+00	1.15E-08	0.01	0.000052	556
630524_4278101	630524	4278101	2.5E-04	2.90E-09	8.19E-09	0.00E+00	1.11E-08	0.01	0.000050	557
630524_4278121	630524	4278121	2.4E-04	2.80E-09	7.91E-09	0.00E+00	1.07E-08	0.01	0.000049	558
630524_4278141	630524	4278141	2.3E-04	2.69E-09	7.60E-09	0.00E+00	1.03E-08	0.01	0.000047	559
630524_4278161	630524	4278161	2.2E-04	2.59E-09	7.30E-09	0.00E+00	9.88E-09	0.01	0.000045	560
630024_4278211	630024	4278211	2.6E-04	3.00E-09	8.46E-09	0.00E+00	1.15E-08	0.01	0.000052	561
630024_4278261	630024	4278261	2.5E-04	2.90E-09	8.19E-09	0.00E+00	1.11E-08	0.01	0.000050	562
630024_4278311	630024	4278311	2.4E-04	2.73E-09	7.69E-09	0.00E+00	1.04E-08	0.01	0.000047	563
630024_4278361	630024	4278361	2.2E-04	2.51E-09	7.09E-09	0.00E+00	9.60E-09	0.01	0.000044	564
630024_4278411	630024	4278411	2.0E-04	2.29E-09	6.45E-09	0.00E+00	8.73E-09	0.01	0.000040	565
630024_4278461	630024	4278461	1.8E-04	2.06E-09	5.82E-09	0.00E+00	7.88E-09	0.01	0.000036	566
630024_4278511	630024	4278511	1.6E-04	1.87E-09	5.27E-09	0.00E+00	7.13E-09	0.01	0.000032	567
630024_4278561	630024	4278561	1.5E-04	1.68E-09	4.75E-09	0.00E+00	6.43E-09	0.01	0.000029	568
630024_4278611	630024	4278611	1.3E-04	1.52E-09	4.28E-09	0.00E+00	5.80E-09	0.01	0.000026	569

630024_4278711	630024	4278711	1.1E-04	1.25E-09	3.51E-09	0.00E+00	4.76E-09	0.00	0.000022	570
630024_4278761	630024	4278761	9.8E-05	1.13E-09	3.20E-09	0.00E+00	4.33E-09	0.00	0.000020	571
630024_4278811	630024	4278811	9.0E-05	1.04E-09	2.92E-09	0.00E+00	3.96E-09	0.00	0.000018	572
630024_4278861	630024	4278861	8.2E-05	9.49E-10	2.68E-09	0.00E+00	3.62E-09	0.00	0.000016	573
630024_4278911	630024	4278911	7.6E-05	8.72E-10	2.46E-09	0.00E+00	3.33E-09	0.00	0.000015	574
630074_4278211	630074	4278211	3.9E-04	4.51E-09	1.27E-08	0.00E+00	1.72E-08	0.02	0.000078	575
630074_4278261	630074	4278261	3.5E-04	4.08E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.000071	576
630074_4278311	630074	4278311	3.1E-04	3.62E-09	1.02E-08	0.00E+00	1.38E-08	0.01	0.000063	577
630074_4278361	630074	4278361	2.8E-04	3.19E-09	8.99E-09	0.00E+00	1.22E-08	0.01	0.000055	578
630074_4278411	630074	4278411	2.4E-04	2.80E-09	7.89E-09	0.00E+00	1.07E-08	0.01	0.000049	579
630074_4278461	630074	4278461	2.1E-04	2.45E-09	6.92E-09	0.00E+00	9.37E-09	0.01	0.000043	580
630074_4278511	630074	4278511	1.9E-04	2.16E-09	6.10E-09	0.00E+00	8.26E-09	0.01	0.000038	581
630074_4278561	630074	4278561	1.7E-04	1.91E-09	5.39E-09	0.00E+00	7.31E-09	0.01	0.000033	582
630074_4278611	630074	4278611	1.5E-04	1.70E-09	4.79E-09	0.00E+00	6.49E-09	0.01	0.000029	583
630074_4278711	630074	4278711	1.2E-04	1.36E-09	3.84E-09	0.00E+00	5.20E-09	0.01	0.000024	584
630074_4278761	630074	4278761	1.1E-04	1.23E-09	3.46E-09	0.00E+00	4.68E-09	0.00	0.000021	585
630074_4278811	630074	4278811	9.6E-05	1.11E-09	3.13E-09	0.00E+00	4.24E-09	0.00	0.000019	586
630074_4278861	630074	4278861	8.8E-05	1.01E-09	2.85E-09	0.00E+00	3.86E-09	0.00	0.000018	587
630074_4278911	630074	4278911	8.0E-05	9.23E-10	2.60E-09	0.00E+00	3.52E-09	0.00	0.000016	588
630124_4278211	630124	4278211	5.7E-04	6.59E-09	1.86E-08	0.00E+00	2.52E-08	0.03	0.000114	589
630124_4278261	630124	4278261	4.8E-04	5.54E-09	1.56E-08	0.00E+00	2.11E-08	0.02	0.000096	590
630124_4278311	630124	4278311	4.0E-04	4.64E-09	1.31E-08	0.00E+00	1.77E-08	0.02	0.000081	591
630124_4278361	630124	4278361	3.4E-04	3.91E-09	1.10E-08	0.00E+00	1.49E-08	0.01	0.000068	592
630124_4278411	630124	4278411	2.9E-04	3.32E-09	9.35E-09	0.00E+00	1.27E-08	0.01	0.000058	593
630124_4278461	630124	4278461	2.5E-04	2.83E-09	7.99E-09	0.00E+00	1.08E-08	0.01	0.000049	594
630124_4278511	630124	4278511	2.1E-04	2.44E-09	6.89E-09	0.00E+00	9.34E-09	0.01	0.000042	595
630124_4278561	630124	4278561	1.8E-04	2.12E-09	5.99E-09	0.00E+00	8.11E-09	0.01	0.000037	596
630124_4278611	630124	4278611	1.6E-04	1.86E-09	5.24E-09	0.00E+00	7.10E-09	0.01	0.000032	597
630124_4278711	630124	4278711	1.3E-04	1.46E-09	4.11E-09	0.00E+00	5.57E-09	0.01	0.000025	598
630124_4278761	630124	4278761	1.1E-04	1.30E-09	3.68E-09	0.00E+00	4.98E-09	0.00	0.000023	599
630124_4278811	630124	4278811	1.0E-04	1.17E-09	3.31E-09	0.00E+00	4.48E-09	0.00	0.000020	600
630124_4278861	630124	4278861	9.2E-05	1.06E-09	2.99E-09	0.00E+00	4.05E-09	0.00	0.000018	601
630124_4278911	630124	4278911	8.4E-05	9.63E-10	2.72E-09	0.00E+00	3.68E-09	0.00	0.000017	602
630174_4278211	630174	4278211	7.8E-04	9.03E-09	2.55E-08	0.00E+00	3.45E-08	0.03	0.000157	603
630174_4278261	630174	4278261	6.1E-04	7.06E-09	1.99E-08	0.00E+00	2.70E-08	0.03	0.000123	604
630174_4278311	630174	4278311	4.9E-04	5.63E-09	1.59E-08	0.00E+00	2.15E-08	0.02	0.000098	605
630174_4278361	630174	4278361	4.0E-04	4.57E-09	1.29E-08	0.00E+00	1.74E-08	0.02	0.000079	606
630174_4278411	630174	4278411	3.3E-04	3.76E-09	1.06E-08	0.00E+00	1.44E-08	0.01	0.000065	607
630174_4278461	630174	4278461	2.7E-04	3.15E-09	8.88E-09	0.00E+00	1.20E-08	0.01	0.000055	608
630174_4278511	630174	4278511	2.3E-04	2.67E-09	7.53E-09	0.00E+00	1.02E-08	0.01	0.000046	609
630174_4278561	630174	4278561	2.0E-04	2.29E-09	6.45E-09	0.00E+00	8.73E-09	0.01	0.000040	610
630174_4278611	630174	4278611	1.7E-04	1.98E-09	5.59E-09	0.00E+00	7.57E-09	0.01	0.000034	611
630174_4278711	630174	4278711	1.3E-04	1.53E-09	4.31E-09	0.00E+00	5.84E-09	0.01	0.000027	612
630174_4278761	630174	4278761	1.2E-04	1.36E-09	3.83E-09	0.00E+00	5.19E-09	0.01	0.000024	613
630174_4278811	630174	4278811	1.1E-04	1.21E-09	3.42E-09	0.00E+00	4.63E-09	0.00	0.000021	614
630174_4278861	630174	4278861	9.5E-05	1.09E-09	3.08E-09	0.00E+00	4.17E-09	0.00	0.000019	615
630174_4278911	630174	4278911	8.6E-05	9.88E-10	2.79E-09	0.00E+00	3.78E-09	0.00	0.000017	616
630224_4278211	630224	4278211	9.6E-04	1.10E-08	3.11E-08	0.00E+00	4.21E-08	0.04	0.000191	617
630224_4278261	630224	4278261	7.1E-04	8.18E-09	2.31E-08	0.00E+00	3.13E-08	0.03	0.000142	618
630224_4278311	630224	4278311	5.5E-04	6.29E-09	1.78E-08	0.00E+00	2.40E-08	0.02	0.000109	619
630224_4278361	630224	4278361	4.3E-04	4.98E-09	1.40E-08	0.00E+00	1.90E-08	0.02	0.000086	620
630224_4278411	630224	4278411	3.5E-04	4.03E-09	1.14E-08	0.00E+00	1.54E-08	0.02	0.000070	621
630224_4278461	630224	4278461	2.9E-04	3.32E-09	9.37E-09	0.00E+00	1.27E-08	0.01	0.000058	622
630224_4278511	630224	4278511	2.4E-04	2.78E-09	7.85E-09	0.00E+00	1.06E-08	0.01	0.000048	623
630224_4278561	630224	4278561	2.1E-04	2.36E-09	6.67E-09	0.00E+00	9.03E-09	0.01	0.000041	624
630224_4278611	630224	4278611	1.8E-04	2.04E-09	5.74E-09	0.00E+00	7.78E-09	0.01	0.000035	625
630224_4278711	630224	4278711	1.3E-04	1.55E-09	4.38E-09	0.00E+00	5.94E-09	0.01	0.000027	626
630224_4278761	630224	4278761	1.2E-04	1.37E-09	3.88E-09	0.00E+00	5.25E-09	0.01	0.000024	627
630224_4278811	630224	4278811	1.1E-04	1.23E-09	3.46E-09	0.00E+00	4.68E-09	0.00	0.000021	628
630224_4278861	630224	4278861	9.5E-05	1.10E-09	3.10E-09	0.00E+00	4.20E-09	0.00	0.000019	629
630224_4278911	630224	4278911	8.6E-05	9.93E-10	2.80E-09	0.00E+00	3.79E-09	0.00	0.000017	630
630274_4278211	630274	4278211	9.8E-04	1.13E-08	3.19E-08	0.00E+00	4.32E-08	0.04	0.000196	631
630274_4278261	630274	4278261	7.2E-04	8.28E-09	2.34E-08	0.00E+00	3.16E-08	0.03	0.000144	632
630274_4278311	630274	4278311	5.5E-04	6.31E-09	1.78E-08	0.00E+00	2.41E-08	0.02	0.000109	633
630274_4278361	630274	4278361	4.3E-04	4.96E-09	1.40E-08	0.00E+00	1.90E-08	0.02	0.000086	634
630274_4278411	630274	4278411	3.5E-04	4.00E-09	1.13E-08	0.00E+00	1.53E-08	0.02	0.000069	635
630274_4278461	630274	4278461	2.9E-04	3.29E-09	9.27E-09	0.00E+00	1.26E-08	0.01	0.000057	636
630274_4278511	630274	4278511	2.4E-04	2.75E-09	7.76E-09	0.00E+00	1.05E-08	0.01	0.000048	637
630274_4278561	630274	4278561	2.0E-04	2.33E-09	6.58E-09	0.00E+00	8.91E-09	0.01	0.000040	638
630274_4278611	630274	4278611	1.7E-04	2.01E-09	5.66E-09	0.00E+00	7.67E-09	0.01	0.000035	639
630274_4278711	630274	4278711	1.3E-04	1.53E-09	4.31E-09	0.00E+00	5.84E-09	0.01	0.000027	640
630274_4278761	630274	4278761	1.2E-04	1.35E-09	3.81E-09	0.00E+00	5.16E-09	0.01	0.000023	641
630274_4278811	630274	4278811	1.0E-04	1.21E-09	3.40E-09	0.00E+00	4.61E-09	0.00	0.000021	642
630274_4278861	630274	4278861	9.4E-05	1.08E-09	3.05E-09	0.00E+00	4.13E-09	0.00	0.000019	643
630274_4278911	630274	4278911	8.5E-05	9.75E-10	2.75E-09	0.00E+00	3.73E-09	0.00	0.000017	644
630374_4278211	630374	4278211	6.0E-04	6.92E-09	1.95E-08	0.00E+00	2.64E-08	0.03	0.000120	645
630374_4278261	630374	4278261	4.8E-04	5.55E-09	1.57E-08	0.00E+00	2.12E-08	0.02	0.000096	646
630374_4278311	630374	4278311	3.9E-04	4.51E-09	1.27E-08	0.00E+00	1.72E-08	0.02	0.000078	647
630374_4278361	630374	4278361	3.2E-04	3.72E-09	1.05E-08	0.00E+00	1.42E-08	0.01	0.000065	648
630374_4278411	630374	4278411	2.7E-04	3.12E-09	8.79E-09	0.00E+00	1.19E-08	0.01	0.000054	649
630374_4278461	630374	4278461	2.3E-04	2.64E-09	7.45E-09	0.00E+00	1.01E-08	0.01	0.000046	650
630374_4278511	630374	4278511	2.0E-04	2.26E-09	6.38E-09	0.00E+00	8.64E-09	0.01	0.000039	651
630374_4278561	630374	4278561	1.7E-04	1.96E-09	5.52E-09	0.00E+00	7.48E-09	0.01	0.000034	652
630374_4278611	630374	4278611	1.5E-04	1.71E-09	4.82E-09	0.00E+00	6.53E-09	0.01	0.000030	653
630374_4278711	630374	4278711	1.2E-04	1.34E-09	3.77E-09	0.00E+00	5.11E-09	0.01	0.000023	654
630374_4278761	630374	4278761	1.0E-04	1.19E-09	3.37E-09	0.00E+00	4.56E-09	0.00	0.000021	655
630374_4278811	630374	4278811	9.3E-05	1.07E-09	3.03E-09	0.00E+00	4.10E-09	0.00	0.000019	656
630374_4278861	630374	4278861	8.4E-05	9.70E-10	2.73E-09	0.00E+00	3.70E-09	0.00	0.000017	657
630374_4278911	630374	4278911	7.7E-05	8.83E-10	2.49E-09	0.00E+00	3.37E-09	0.00	0.000015	658
630424_4278211	630424	4278211	4.1E-04	4.73E-09	1.33E-08	0.00E+00	1.81E-08	0.02	0.000082	659
630424_4278261	630424	4278261	3.5E-04	4.00E-09	1.13E-08	0.00E+00	1.53E-08	0.02	0.000069	660
630424_4278311	630424	4278311	3.0E-04	3.41E-09	9.61E-09	0.00E+00	1.30E-08	0.01	0.000059	661
630424_4278361	630424	4278361	2.5E-04	2.92E-09	8.24E-09	0.00E+00	1.12E-08	0.01	0.000051	662
630424_4278411	630424	4278411	2.2E-04	2.52E-09	7.11E-09	0.00E+00	9.63E-09	0.01	0.000044	663
630424_4278461	630424	4278461	1.9E-04	2.19E-09	6.17E-09	0.00E+00	8.36E-09	0.01	0.000038	664
630424_4278511	630424	4278511	1.7E-04	1.91E-09	5.40E-09	0.00E+00	7.32E-09	0.01	0.000033	665
630424_4278561	630424	4278561	1.5E-04	1.69E-09	4.76E-09	0.00E+00	6.44E-09	0.01	0.000029	666
630424_4278611	630424	4278611	1.3E-04	1.49E-09	4.22E-09	0.00E+00	5.71E-09	0.01	0.000026	667
630424_4278711	630424	4278711	1.0E-04	1.20E-09	3.37E-09	0.00E+00	4.57E-09	0.00	0.000021	668
630424_4278761	630424	4278761	9.4E-05	1.08E-09	3.04E-09	0.00E+00	4.12E-09	0.00	0.000019	669
630424_4278811	630424	4278811	8.5E-05	9.78E-10	2.76E-09	0.00E+00	3.74E-09	0.00	0.000017	670
630424_4278861	630424	4278861	7.7E-05	8.90E-10	2.51E-09	0.00E+00	3.40E-09	0.00	0.000015	671
630424_4278911	630424	4278911	7.1E-05	8.15E-10	2.30E-09	0.00E+00	3.11E-09	0.00	0.000014	672
630474_4278211	630474	4278211	2.8E-04	3.25E-09	9.17E-09	0.00E+00	1.24E-08	0.01	0.000056	673
630474_4278261	630474	4278261	2.5E-04	2.86E-09	8.06E-09	0.00E+00	1.09E-08	0.01	0.000050	674
630474_4278311	630474	4278311	2.2E-04	2.52E-09	7.11E-09	0.00E+00	9.63E-09	0.01	0.000044	675
630474_4278361	630474	4278361	1.9E-04	2.23E-09	6.29E-09	0.00E+00	8.52E-09	0.01	0.000039	676
630474_4278411	630474	4278411	1.7E-04	1.98E-09	5.58E-09	0.00E+00	7.56E-09	0.01	0.000034	677
630474_4278461	630474	4278461	1.5E-04	1.76E-09	4.97E-09	0.00E+00	6.73E-09	0.01	0.000031	678
630474_4278511	630474	4278511	1.4E-04	1.58E-09	4.44E-09	0.00E+00	6.02E-09	0.01	0.000027	679
630474_4278561	630474	4278561	1.2E-04	1.41E-09	3.99E-09	0.00E+00	5.40E-09	0.01	0.000025	680
630474_4278611	630474	4278611	1.1E-04	1.27E-09	3.59E-09	0.00E+00	4.87E-09	0.00	0.000022	681
630474_4278711	630474	4278711	9.1E-05	1.05E-09	2.95E-09	0.00E+00	4.00E-09	0.00	0.000018	682
630474_4278761	630474	4278761	8.3E-05	9.55E-10	2.69E-09	0.00E+00	3.65E-09	0.00	0.000017	683
630474_4278811	630474	4278811	7.6E-05	8.74E-10	2.46E-09	0.00E+00	3.34E-09	0.00	0.000015	684
630474_4278861	630474	4278861	6.9E-05	8.01E-10	2.26E-09	0.00E+00	3.06E-09	0.00	0.000014	685
630474_4278911	630474	4278911	6.4E-05	7.38E-10	2.08E-09	0.00E+00	2.82E-09	0.00	0.000013	686
630524_4278211	630524	4278211	2.0E-04	2.32E-09	6.56E-09	0.00E+00	8.88E-09	0.01	0.000040	687
630524_4278261	630524	4278261	1.8E-04	2.09E-09	5.90E-09	0.00E+00	7.99E-09	0.01	0.000036	688
630524_4278311	630524	4278311	1.6E-04	1.89E-09	5.32E-09	0.00E+00	7.21E-09	0.01	0.000033	689
630524_4278361	630524	4278361	1.5E-04	1.71E-09	4.81E-09	0.00E+00	6.51E-09	0.01	0.000030	690
630524_4278411	630524	4278411	1.3E-04	1.55E-09	4.36E-09	0.00E+00	5.91E-09	0.01	0.000027	691

630524_4278461	630524	4278461	1.2E-04	1.40E-09	3.96E-09	0.00E+00	5.37E-09	0.01	0.000024	692
630524_4278511	630524	4278511	1.1E-04	1.28E-09	3.61E-09	0.00E+00	4.89E-09	0.00	0.000022	693
630524_4278561	630524	4278561	1.0E-04	1.17E-09	3.29E-09	0.00E+00	4.46E-09	0.00	0.000020	694
630524_4278611	630524	4278611	9.3E-05	1.07E-09	3.01E-09	0.00E+00	4.08E-09	0.00	0.000019	695
630524_4278711	630524	4278711	7.8E-05	9.03E-10	2.55E-09	0.00E+00	3.45E-09	0.00	0.000016	696
630524_4278761	630524	4278761	7.2E-05	8.33E-10	2.35E-09	0.00E+00	3.18E-09	0.00	0.000014	697
630524_4278811	630524	4278811	6.7E-05	7.70E-10	2.17E-09	0.00E+00	2.94E-09	0.00	0.000013	698
630524_4278861	630524	4278861	6.2E-05	7.13E-10	2.01E-09	0.00E+00	2.73E-09	0.00	0.000012	699
630524_4278911	630524	4278911	5.7E-05	6.62E-10	1.87E-09	0.00E+00	2.53E-09	0.00	0.000011	700
630574_4278211	630574	4278211	1.5E-04	1.73E-09	4.89E-09	0.00E+00	6.63E-09	0.01	0.000030	701
630574_4278261	630574	4278261	1.4E-04	1.58E-09	4.47E-09	0.00E+00	6.06E-09	0.01	0.000027	702
630574_4278311	630574	4278311	1.3E-04	1.45E-09	4.09E-09	0.00E+00	5.53E-09	0.01	0.000025	703
630574_4278361	630574	4278361	1.2E-04	1.33E-09	3.74E-09	0.00E+00	5.07E-09	0.01	0.000023	704
630574_4278411	630574	4278411	1.1E-04	1.22E-09	3.44E-09	0.00E+00	4.66E-09	0.00	0.000021	705
630574_4278461	630574	4278461	9.8E-05	1.13E-09	3.17E-09	0.00E+00	4.30E-09	0.00	0.000020	706
630574_4278511	630574	4278511	9.0E-05	1.04E-09	2.93E-09	0.00E+00	3.97E-09	0.00	0.000018	707
630574_4278561	630574	4278561	8.3E-05	9.61E-10	2.71E-09	0.00E+00	3.67E-09	0.00	0.000017	708
630574_4278611	630574	4278611	7.7E-05	8.93E-10	2.52E-09	0.00E+00	3.41E-09	0.00	0.000015	709
630574_4278711	630574	4278711	6.7E-05	7.70E-10	2.17E-09	0.00E+00	2.94E-09	0.00	0.000013	710
630574_4278761	630574	4278761	6.2E-05	7.18E-10	2.02E-09	0.00E+00	2.74E-09	0.00	0.000012	711
630574_4278811	630574	4278811	5.8E-05	6.72E-10	1.90E-09	0.00E+00	2.57E-09	0.00	0.000012	712
630574_4278861	630574	4278861	5.5E-05	6.29E-10	1.77E-09	0.00E+00	2.40E-09	0.00	0.000011	713
630574_4278911	630574	4278911	5.1E-05	5.88E-10	1.66E-09	0.00E+00	2.25E-09	0.00	0.000010	714
630624_4278211	630624	4278211	1.2E-04	1.34E-09	3.77E-09	0.00E+00	5.10E-09	0.01	0.000023	715
630624_4278261	630624	4278261	1.1E-04	1.24E-09	3.49E-09	0.00E+00	4.73E-09	0.00	0.000021	716
630624_4278311	630624	4278311	9.9E-05	1.14E-09	3.23E-09	0.00E+00	4.37E-09	0.00	0.000020	717
630624_4278361	630624	4278361	9.2E-05	1.06E-09	2.98E-09	0.00E+00	4.04E-09	0.00	0.000018	718
630624_4278411	630624	4278411	8.5E-05	9.82E-10	2.77E-09	0.00E+00	3.75E-09	0.00	0.000017	719
630624_4278461	630624	4278461	7.9E-05	9.14E-10	2.58E-09	0.00E+00	3.49E-09	0.00	0.000016	720
630624_4278511	630624	4278511	7.4E-05	8.53E-10	2.40E-09	0.00E+00	3.26E-09	0.00	0.000015	721
630624_4278561	630624	4278561	6.9E-05	7.98E-10	2.25E-09	0.00E+00	3.05E-09	0.00	0.000014	722
630624_4278611	630624	4278611	6.5E-05	7.47E-10	2.11E-09	0.00E+00	2.86E-09	0.00	0.000013	723
630624_4278711	630624	4278711	5.7E-05	6.57E-10	1.85E-09	0.00E+00	2.51E-09	0.00	0.000011	724
630624_4278761	630624	4278761	5.4E-05	6.18E-10	1.74E-09	0.00E+00	2.36E-09	0.00	0.000011	725
630624_4278811	630624	4278811	5.1E-05	5.84E-10	1.65E-09	0.00E+00	2.23E-09	0.00	0.000010	726
630624_4278861	630624	4278861	4.8E-05	5.52E-10	1.56E-09	0.00E+00	2.11E-09	0.00	0.000010	727
630624_4278911	630624	4278911	4.5E-05	5.20E-10	1.47E-09	0.00E+00	1.99E-09	0.00	0.000009	728
630674_4278211	630674	4278211	9.2E-05	1.06E-09	2.98E-09	0.00E+00	4.03E-09	0.00	0.000018	729
630674_4278261	630674	4278261	8.6E-05	9.91E-10	2.80E-09	0.00E+00	3.79E-09	0.00	0.000017	730
630674_4278311	630674	4278311	8.0E-05	9.27E-10	2.61E-09	0.00E+00	3.54E-09	0.00	0.000016	731
630674_4278361	630674	4278361	7.5E-05	8.65E-10	2.44E-09	0.00E+00	3.30E-09	0.00	0.000015	732
630674_4278411	630674	4278411	7.0E-05	8.08E-10	2.28E-09	0.00E+00	3.09E-09	0.00	0.000014	733
630674_4278461	630674	4278461	6.6E-05	7.56E-10	2.13E-09	0.00E+00	2.89E-09	0.00	0.000013	734
630674_4278511	630674	4278511	6.2E-05	7.10E-10	2.00E-09	0.00E+00	2.71E-09	0.00	0.000012	735
630674_4278561	630674	4278561	5.8E-05	6.68E-10	1.88E-09	0.00E+00	2.55E-09	0.00	0.000012	736
630674_4278611	630674	4278611	5.5E-05	6.31E-10	1.78E-09	0.00E+00	2.41E-09	0.00	0.000011	737
630674_4278711	630674	4278711	4.9E-05	5.65E-10	1.59E-09	0.00E+00	2.16E-09	0.00	0.000010	738
630674_4278761	630674	4278761	4.6E-05	5.35E-10	1.51E-09	0.00E+00	2.04E-09	0.00	0.000009	739
630674_4278811	630674	4278811	4.4E-05	5.09E-10	1.43E-09	0.00E+00	1.94E-09	0.00	0.000009	740
630674_4278861	630674	4278861	4.2E-05	4.83E-10	1.36E-09	0.00E+00	1.84E-09	0.00	0.000008	741
630674_4278911	630674	4278911	4.0E-05	4.58E-10	1.29E-09	0.00E+00	1.75E-09	0.00	0.000008	742
630724_4278211	630724	4278211	7.4E-05	8.53E-10	2.41E-09	0.00E+00	3.26E-09	0.00	0.000015	743
630724_4278261	630724	4278261	7.0E-05	8.09E-10	2.28E-09	0.00E+00	3.09E-09	0.00	0.000014	744
630724_4278311	630724	4278311	6.6E-05	7.65E-10	2.16E-09	0.00E+00	2.92E-09	0.00	0.000013	745
630724_4278361	630724	4278361	6.2E-05	7.20E-10	2.03E-09	0.00E+00	2.75E-09	0.00	0.000012	746
630724_4278411	630724	4278411	5.9E-05	6.77E-10	1.91E-09	0.00E+00	2.59E-09	0.00	0.000012	747
630724_4278461	630724	4278461	5.5E-05	6.37E-10	1.80E-09	0.00E+00	2.43E-09	0.00	0.000011	748
630724_4278511	630724	4278511	5.2E-05	6.00E-10	1.69E-09	0.00E+00	2.29E-09	0.00	0.000010	749
630724_4278561	630724	4278561	4.9E-05	5.68E-10	1.60E-09	0.00E+00	2.17E-09	0.00	0.000010	750
630724_4278611	630724	4278611	4.7E-05	5.39E-10	1.52E-09	0.00E+00	2.06E-09	0.00	0.000009	751
630724_4278711	630724	4278711	4.2E-05	4.87E-10	1.37E-09	0.00E+00	1.86E-09	0.00	0.000008	752
630724_4278761	630724	4278761	4.0E-05	4.65E-10	1.31E-09	0.00E+00	1.78E-09	0.00	0.000008	753
630724_4278811	630724	4278811	3.8E-05	4.44E-10	1.25E-09	0.00E+00	1.70E-09	0.00	0.000008	754
630724_4278861	630724	4278861	3.7E-05	4.23E-10	1.19E-09	0.00E+00	1.62E-09	0.00	0.000007	755
630724_4278911	630724	4278911	3.5E-05	4.04E-10	1.14E-09	0.00E+00	1.55E-09	0.00	0.000007	756
630774_4278211	630774	4278211	6.1E-05	7.04E-10	1.98E-09	0.00E+00	2.69E-09	0.00	0.000012	757
630774_4278261	630774	4278261	5.8E-05	6.73E-10	1.90E-09	0.00E+00	2.57E-09	0.00	0.000012	758
630774_4278311	630774	4278311	5.6E-05	6.41E-10	1.81E-09	0.00E+00	2.45E-09	0.00	0.000011	759
630774_4278361	630774	4278361	5.3E-05	6.09E-10	1.72E-09	0.00E+00	2.33E-09	0.00	0.000011	760
630774_4278411	630774	4278411	5.0E-05	5.77E-10	1.63E-09	0.00E+00	2.20E-09	0.00	0.000010	761
630774_4278461	630774	4278461	4.7E-05	5.46E-10	1.54E-09	0.00E+00	2.08E-09	0.00	0.000009	762
630774_4278511	630774	4278511	4.5E-05	5.16E-10	1.46E-09	0.00E+00	1.97E-09	0.00	0.000009	763
630774_4278561	630774	4278561	4.3E-05	4.90E-10	1.38E-09	0.00E+00	1.87E-09	0.00	0.000009	764
630774_4278611	630774	4278611	4.0E-05	4.66E-10	1.31E-09	0.00E+00	1.78E-09	0.00	0.000008	765
630774_4278711	630774	4278711	3.7E-05	4.23E-10	1.19E-09	0.00E+00	1.62E-09	0.00	0.000007	766
630774_4278761	630774	4278761	3.5E-05	4.05E-10	1.14E-09	0.00E+00	1.55E-09	0.00	0.000007	767
630774_4278811	630774	4278811	3.4E-05	3.89E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	768
630774_4278861	630774	4278861	3.2E-05	3.73E-10	1.05E-09	0.00E+00	1.43E-09	0.00	0.000006	769
630774_4278911	630774	4278911	3.1E-05	3.58E-10	1.01E-09	0.00E+00	1.37E-09	0.00	0.000006	770
630824_4278211	630824	4278211	5.1E-05	5.91E-10	1.67E-09	0.00E+00	2.26E-09	0.00	0.000010	771
630824_4278261	630824	4278261	4.9E-05	5.68E-10	1.60E-09	0.00E+00	2.17E-09	0.00	0.000010	772
630824_4278311	630824	4278311	4.7E-05	5.45E-10	1.54E-09	0.00E+00	2.08E-09	0.00	0.000009	773
630824_4278361	630824	4278361	4.5E-05	5.21E-10	1.47E-09	0.00E+00	1.99E-09	0.00	0.000009	774
630824_4278411	630824	4278411	4.3E-05	4.97E-10	1.40E-09	0.00E+00	1.90E-09	0.00	0.000009	775
630824_4278461	630824	4278461	4.1E-05	4.73E-10	1.34E-09	0.00E+00	1.81E-09	0.00	0.000008	776
630824_4278511	630824	4278511	3.9E-05	4.50E-10	1.27E-09	0.00E+00	1.72E-09	0.00	0.000008	777
630824_4278561	630824	4278561	3.7E-05	4.28E-10	1.21E-09	0.00E+00	1.64E-09	0.00	0.000007	778
630824_4278611	630824	4278611	3.5E-05	4.08E-10	1.15E-09	0.00E+00	1.56E-09	0.00	0.000007	779
630824_4278711	630824	4278711	3.2E-05	3.73E-10	1.05E-09	0.00E+00	1.43E-09	0.00	0.000006	780
630824_4278761	630824	4278761	3.1E-05	3.58E-10	1.01E-09	0.00E+00	1.37E-09	0.00	0.000006	781
630824_4278811	630824	4278811	3.0E-05	3.45E-10	9.72E-10	0.00E+00	1.32E-09	0.00	0.000006	782
630824_4278861	630824	4278861	2.9E-05	3.31E-10	9.34E-10	0.00E+00	1.27E-09	0.00	0.000006	783
630824_4278911	630824	4278911	2.8E-05	3.19E-10	9.00E-10	0.00E+00	1.22E-09	0.00	0.000006	784
630874_4278211	630874	4278211	4.4E-05	5.04E-10	1.42E-09	0.00E+00	1.93E-09	0.00	0.000009	785
630874_4278261	630874	4278261	4.2E-05	4.86E-10	1.37E-09	0.00E+00	1.86E-09	0.00	0.000008	786
630874_4278311	630874	4278311	4.1E-05	4.68E-10	1.32E-09	0.00E+00	1.79E-09	0.00	0.000008	787
630874_4278361	630874	4278361	3.9E-05	4.51E-10	1.27E-09	0.00E+00	1.72E-09	0.00	0.000008	788
630874_4278411	630874	4278411	3.8E-05	4.33E-10	1.22E-09	0.00E+00	1.65E-09	0.00	0.000008	789
630874_4278461	630874	4278461	3.6E-05	4.15E-10	1.17E-09	0.00E+00	1.58E-09	0.00	0.000007	790
630874_4278511	630874	4278511	3.4E-05	3.96E-10	1.12E-09	0.00E+00	1.51E-09	0.00	0.000007	791
630874_4278561	630874	4278561	3.3E-05	3.79E-10	1.07E-09	0.00E+00	1.45E-09	0.00	0.000007	792
630874_4278611	630874	4278611	3.1E-05	3.62E-10	1.02E-09	0.00E+00	1.38E-09	0.00	0.000006	793
630874_4278711	630874	4278711	2.9E-05	3.32E-10	9.36E-10	0.00E+00	1.27E-09	0.00	0.000006	794
630874_4278761	630874	4278761	2.8E-05	3.19E-10	9.00E-10	0.00E+00	1.22E-09	0.00	0.000006	795
630874_4278811	630874	4278811	2.7E-05	3.07E-10	8.66E-10	0.00E+00	1.17E-09	0.00	0.000005	796
630874_4278861	630874	4278861	2.6E-05	2.96E-10	8.35E-10	0.00E+00	1.13E-09	0.00	0.000005	797
630874_4278911	630874	4278911	2.5E-05	2.86E-10	8.07E-10	0.00E+00	1.09E-09	0.00	0.000005	798
630924_4278211	630924	4278211	3.8E-05	4.36E-10	1.23E-09	0.00E+00	1.67E-09	0.00	0.000008	799
630924_4278261	630924	4278261	3.7E-05	4.21E-10	1.19E-09	0.00E+00	1.61E-09	0.00	0.000007	800
630924_4278311	630924	4278311	3.5E-05	4.07E-10	1.15E-09	0.00E+00	1.56E-09	0.00	0.000007	801
630924_4278361	630924	4278361	3.4E-05	3.94E-10	1.11E-09	0.00E+00	1.50E-09	0.00	0.000007	802
630924_4278411	630924	4278411	3.3E-05	3.80E-10	1.07E-09	0.00E+00	1.45E-09	0.00	0.000007	803
630924_4278461	630924	4278461	3.2E-05	3.66E-10	1.03E-09	0.00E+00	1.40E-09	0.00	0.000006	804
630924_4278511	630924	4278511	3.0E-05	3.51E-10	9.90E-10	0.00E+00	1.34E-09	0.00	0.000006	805
630924_4278561	630924	4278561	2.9E-05	3.37E-10	9.51E-10	0.00E+00	1.29E-09	0.00	0.000006	806
630924_4278611	630924	4278611	2.8E-05	3.23E-10	9.12E-10	0.00E+00	1.24E-09	0.00	0.000006	807
630924_4278711	630924	4278711	2.6E-05	2.98E-10	8.40E-10	0.00E+00	1.14E-09	0.00	0.000005	808
630924_4278761	630924	4278761	2.5E-05	2.86E-10	8.08E-10	0.00E+00	1.09E-09	0.00	0.000005	809
630924_4278811	630924	4278811	2.4E-05	2.76E-10	7.79E-10	0.00E+00	1.06E-09	0.00	0.000005	810
630924_4278861	630924	4278861	2.3E-05	2.67E-10	7.52E-10	0.00E+00	1.02E-09	0.00	0.000005	811
630924_4278911	630924	4278911	2.2E-05	2.58E-10	7.28E-10	0.00E+00	9.86E-10	0.00	0.000004	812
630974_4278211	630974	4278211	3.3E-05	3.82E-10	1.08E-09	0.00E+00	1.46E-09	0.00	0.000007	813

630974_4278261	630974	4278261	3.2E-05	3.70E-10	1.04E-09	0.00E+00	1.41E-09	0.00	0.000006	814
630974_4278311	630974	4278311	3.1E-05	3.58E-10	1.01E-09	0.00E+00	1.37E-09	0.00	0.000006	815
630974_4278361	630974	4278361	3.0E-05	3.47E-10	9.78E-10	0.00E+00	1.33E-09	0.00	0.000006	816
630974_4278411	630974	4278411	2.9E-05	3.37E-10	9.49E-10	0.00E+00	1.29E-09	0.00	0.000006	817
630974_4278461	630974	4278461	2.8E-05	3.26E-10	9.19E-10	0.00E+00	1.25E-09	0.00	0.000006	818
630974_4278511	630974	4278511	2.7E-05	3.14E-10	8.86E-10	0.00E+00	1.20E-09	0.00	0.000005	819
630974_4278561	630974	4278561	2.6E-05	3.03E-10	8.55E-10	0.00E+00	1.16E-09	0.00	0.000005	820
630974_4278611	630974	4278611	2.5E-05	2.92E-10	8.23E-10	0.00E+00	1.11E-09	0.00	0.000005	821
630974_4278711	630974	4278711	2.3E-05	2.70E-10	7.60E-10	0.00E+00	1.03E-09	0.00	0.000005	822
630974_4278761	630974	4278761	2.3E-05	2.60E-10	7.32E-10	0.00E+00	9.92E-10	0.00	0.000005	823
630974_4278811	630974	4278811	2.2E-05	2.51E-10	7.07E-10	0.00E+00	9.57E-10	0.00	0.000004	824
630974_4278861	630974	4278861	2.1E-05	2.42E-10	6.83E-10	0.00E+00	9.25E-10	0.00	0.000004	825
630974_4278911	630974	4278911	2.0E-05	2.34E-10	6.61E-10	0.00E+00	8.96E-10	0.00	0.000004	826
631024_4278211	631024	4278211	2.9E-05	3.37E-10	9.52E-10	0.00E+00	1.29E-09	0.00	0.000006	827
631024_4278261	631024	4278261	2.8E-05	3.28E-10	9.24E-10	0.00E+00	1.25E-09	0.00	0.000006	828
631024_4278311	631024	4278311	2.8E-05	3.18E-10	8.96E-10	0.00E+00	1.21E-09	0.00	0.000006	829
631024_4278361	631024	4278361	2.7E-05	3.08E-10	8.68E-10	0.00E+00	1.18E-09	0.00	0.000005	830
631024_4278411	631024	4278411	2.6E-05	3.00E-10	8.46E-10	0.00E+00	1.15E-09	0.00	0.000005	831
631024_4278461	631024	4278461	2.5E-05	2.92E-10	8.23E-10	0.00E+00	1.11E-09	0.00	0.000005	832
631024_4278511	631024	4278511	2.5E-05	2.83E-10	7.97E-10	0.00E+00	1.08E-09	0.00	0.000005	833
631024_4278561	631024	4278561	2.4E-05	2.74E-10	7.73E-10	0.00E+00	1.05E-09	0.00	0.000005	834
631024_4278611	631024	4278611	2.3E-05	2.64E-10	7.46E-10	0.00E+00	1.01E-09	0.00	0.000005	835
631024_4278711	631024	4278711	2.1E-05	2.46E-10	6.94E-10	0.00E+00	9.40E-10	0.00	0.000004	836
631024_4278761	631024	4278761	2.1E-05	2.37E-10	6.69E-10	0.00E+00	9.07E-10	0.00	0.000004	837
631024_4278811	631024	4278811	2.0E-05	2.29E-10	6.46E-10	0.00E+00	8.76E-10	0.00	0.000004	838
631024_4278861	631024	4278861	1.9E-05	2.22E-10	6.25E-10	0.00E+00	8.47E-10	0.00	0.000004	839
631024_4278911	631024	4278911	1.9E-05	2.15E-10	6.06E-10	0.00E+00	8.20E-10	0.00	0.000004	840
631074_4278211	631074	4278211	2.6E-05	3.01E-10	8.48E-10	0.00E+00	1.15E-09	0.00	0.000005	841
631074_4278261	631074	4278261	2.5E-05	2.93E-10	8.26E-10	0.00E+00	1.12E-09	0.00	0.000005	842
631074_4278311	631074	4278311	2.5E-05	2.84E-10	8.02E-10	0.00E+00	1.09E-09	0.00	0.000005	843
631074_4278361	631074	4278361	2.4E-05	2.76E-10	7.78E-10	0.00E+00	1.05E-09	0.00	0.000005	844
631074_4278411	631074	4278411	2.3E-05	2.69E-10	7.57E-10	0.00E+00	1.03E-09	0.00	0.000005	845
631074_4278461	631074	4278461	2.3E-05	2.62E-10	7.40E-10	0.00E+00	1.00E-09	0.00	0.000005	846
631074_4278511	631074	4278511	2.2E-05	2.55E-10	7.21E-10	0.00E+00	9.76E-10	0.00	0.000004	847
631074_4278561	631074	4278561	2.2E-05	2.49E-10	7.02E-10	0.00E+00	9.51E-10	0.00	0.000004	848
631074_4278611	631074	4278611	2.1E-05	2.41E-10	6.80E-10	0.00E+00	9.21E-10	0.00	0.000004	849
631074_4278711	631074	4278711	2.0E-05	2.26E-10	6.36E-10	0.00E+00	8.62E-10	0.00	0.000004	850
631074_4278761	631074	4278761	1.9E-05	2.18E-10	6.15E-10	0.00E+00	8.33E-10	0.00	0.000004	851
631074_4278811	631074	4278811	1.8E-05	2.11E-10	5.95E-10	0.00E+00	8.06E-10	0.00	0.000004	852
631074_4278861	631074	4278861	1.8E-05	2.04E-10	5.76E-10	0.00E+00	7.81E-10	0.00	0.000004	853
631074_4278911	631074	4278911	1.7E-05	1.98E-10	5.58E-10	0.00E+00	7.56E-10	0.00	0.000003	854
631124_4278211	631124	4278211	2.3E-05	2.70E-10	7.62E-10	0.00E+00	1.03E-09	0.00	0.000005	855
631124_4278261	631124	4278261	2.3E-05	2.64E-10	7.43E-10	0.00E+00	1.01E-09	0.00	0.000005	856
631124_4278311	631124	4278311	2.2E-05	2.57E-10	7.24E-10	0.00E+00	9.81E-10	0.00	0.000004	857
631124_4278361	631124	4278361	2.2E-05	2.50E-10	7.04E-10	0.00E+00	9.53E-10	0.00	0.000004	858
631124_4278411	631124	4278411	2.1E-05	2.43E-10	6.86E-10	0.00E+00	9.29E-10	0.00	0.000004	859
631124_4278461	631124	4278461	2.1E-05	2.38E-10	6.71E-10	0.00E+00	9.08E-10	0.00	0.000004	860
631124_4278511	631124	4278511	2.0E-05	2.32E-10	6.55E-10	0.00E+00	8.87E-10	0.00	0.000004	861
631124_4278561	631124	4278561	2.0E-05	2.27E-10	6.39E-10	0.00E+00	8.65E-10	0.00	0.000004	862
631124_4278611	631124	4278611	1.9E-05	2.21E-10	6.22E-10	0.00E+00	8.43E-10	0.00	0.000004	863
631124_4278711	631124	4278711	1.8E-05	2.08E-10	5.87E-10	0.00E+00	7.95E-10	0.00	0.000004	864
631124_4278761	631124	4278761	1.7E-05	2.02E-10	5.68E-10	0.00E+00	7.70E-10	0.00	0.000003	865
631124_4278811	631124	4278811	1.7E-05	1.95E-10	5.50E-10	0.00E+00	7.46E-10	0.00	0.000003	866
631124_4278861	631124	4278861	1.6E-05	1.89E-10	5.33E-10	0.00E+00	7.22E-10	0.00	0.000003	867
631124_4278911	631124	4278911	1.6E-05	1.83E-10	5.17E-10	0.00E+00	7.00E-10	0.00	0.000003	868
631174_4278211	631174	4278211	2.1E-05	2.44E-10	6.90E-10	0.00E+00	9.34E-10	0.00	0.000004	869
631174_4278261	631174	4278261	2.1E-05	2.39E-10	6.75E-10	0.00E+00	9.14E-10	0.00	0.000004	870
631174_4278311	631174	4278311	2.0E-05	2.33E-10	6.58E-10	0.00E+00	8.91E-10	0.00	0.000004	871
631174_4278361	631174	4278361	2.0E-05	2.27E-10	6.40E-10	0.00E+00	8.67E-10	0.00	0.000004	872
631174_4278411	631174	4278411	1.9E-05	2.21E-10	6.24E-10	0.00E+00	8.46E-10	0.00	0.000004	873
631174_4278461	631174	4278461	1.9E-05	2.16E-10	6.11E-10	0.00E+00	8.27E-10	0.00	0.000004	874
631174_4278511	631174	4278511	1.8E-05	2.12E-10	5.98E-10	0.00E+00	8.10E-10	0.00	0.000004	875
631174_4278561	631174	4278561	1.8E-05	2.07E-10	5.85E-10	0.00E+00	7.92E-10	0.00	0.000004	876
631174_4278611	631174	4278611	1.8E-05	2.03E-10	5.71E-10	0.00E+00	7.74E-10	0.00	0.000004	877
631174_4278711	631174	4278711	1.7E-05	1.92E-10	5.42E-10	0.00E+00	7.34E-10	0.00	0.000003	878
631174_4278761	631174	4278761	1.6E-05	1.87E-10	5.28E-10	0.00E+00	7.15E-10	0.00	0.000003	879
631174_4278811	631174	4278811	1.6E-05	1.82E-10	5.13E-10	0.00E+00	6.94E-10	0.00	0.000003	880
631174_4278861	631174	4278861	1.5E-05	1.76E-10	4.97E-10	0.00E+00	6.73E-10	0.00	0.000003	881
631174_4278911	631174	4278911	1.5E-05	1.71E-10	4.82E-10	0.00E+00	6.52E-10	0.00	0.000003	882
631224_4278211	631224	4278211	1.9E-05	2.22E-10	6.26E-10	0.00E+00	8.49E-10	0.00	0.000004	883
631224_4278261	631224	4278261	1.9E-05	2.18E-10	6.15E-10	0.00E+00	8.33E-10	0.00	0.000004	884
631224_4278311	631224	4278311	1.9E-05	2.13E-10	6.02E-10	0.00E+00	8.15E-10	0.00	0.000004	885
631224_4278361	631224	4278361	1.8E-05	2.08E-10	5.86E-10	0.00E+00	7.94E-10	0.00	0.000004	886
631224_4278411	631224	4278411	1.8E-05	2.03E-10	5.73E-10	0.00E+00	7.76E-10	0.00	0.000004	887
631224_4278461	631224	4278461	1.7E-05	1.99E-10	5.60E-10	0.00E+00	7.59E-10	0.00	0.000003	888
631224_4278511	631224	4278511	1.7E-05	1.95E-10	5.49E-10	0.00E+00	7.44E-10	0.00	0.000003	889
631224_4278561	631224	4278561	1.7E-05	1.91E-10	5.37E-10	0.00E+00	7.28E-10	0.00	0.000003	890
631224_4278611	631224	4278611	1.6E-05	1.87E-10	5.27E-10	0.00E+00	7.13E-10	0.00	0.000003	891
631224_4278711	631224	4278711	1.5E-05	1.78E-10	5.03E-10	0.00E+00	6.82E-10	0.00	0.000003	892
631224_4278761	631224	4278761	1.5E-05	1.74E-10	4.90E-10	0.00E+00	6.64E-10	0.00	0.000003	893
631224_4278811	631224	4278811	1.5E-05	1.69E-10	4.77E-10	0.00E+00	6.47E-10	0.00	0.000003	894
631224_4278861	631224	4278861	1.4E-05	1.65E-10	4.64E-10	0.00E+00	6.29E-10	0.00	0.000003	895
631224_4278911	631224	4278911	1.4E-05	1.60E-10	4.51E-10	0.00E+00	6.11E-10	0.00	0.000003	896
631274_4278311	631274	4278311	1.7E-05	1.96E-10	5.53E-10	0.00E+00	7.49E-10	0.00	0.000003	897
631274_4278361	631274	4278361	1.7E-05	1.91E-10	5.40E-10	0.00E+00	7.31E-10	0.00	0.000003	898
631274_4278411	631274	4278411	1.6E-05	1.87E-10	5.27E-10	0.00E+00	7.14E-10	0.00	0.000003	899
631274_4278461	631274	4278461	1.6E-05	1.83E-10	5.16E-10	0.00E+00	6.99E-10	0.00	0.000003	900
631274_4278511	631274	4278511	1.6E-05	1.79E-10	5.06E-10	0.00E+00	6.85E-10	0.00	0.000003	901
631274_4278561	631274	4278561	1.5E-05	1.76E-10	4.96E-10	0.00E+00	6.72E-10	0.00	0.000003	902
631274_4278611	631274	4278611	1.5E-05	1.73E-10	4.87E-10	0.00E+00	6.59E-10	0.00	0.000003	903
631274_4278661	631274	4278661	1.5E-05	1.70E-10	4.79E-10	0.00E+00	6.49E-10	0.00	0.000003	904
631274_4278711	631274	4278711	1.4E-05	1.66E-10	4.68E-10	0.00E+00	6.34E-10	0.00	0.000003	905
631274_4278761	631274	4278761	1.4E-05	1.62E-10	4.57E-10	0.00E+00	6.20E-10	0.00	0.000003	906
631274_4278811	631274	4278811	1.4E-05	1.58E-10	4.47E-10	0.00E+00	6.05E-10	0.00	0.000003	907
631274_4278861	631274	4278861	1.3E-05	1.54E-10	4.35E-10	0.00E+00	5.89E-10	0.00	0.000003	908
631274_4278911	631274	4278911	1.3E-05	1.50E-10	4.23E-10	0.00E+00	5.73E-10	0.00	0.000003	909
630574_4278161	630574	4278161	1.6E-04	1.89E-09	5.33E-09	0.00E+00	7.22E-09	0.01	0.000033	910
630574_4278111	630574	4278111	1.8E-04	2.04E-09	5.76E-09	0.00E+00	7.80E-09	0.01	0.000035	911
630574_4278061	630574	4278061	1.9E-04	2.17E-09	6.13E-09	0.00E+00	8.30E-09	0.01	0.000038	912
630574_4278011	630574	4278011	2.0E-04	2.29E-09	6.45E-09	0.00E+00	8.74E-09	0.01	0.000040	913
630574_4277511	630574	4277511	3.1E-04	3.56E-09	1.00E-08	0.00E+00	1.36E-08	0.01	0.000062	914
630574_4277461	630574	4277461	2.9E-04	3.29E-09	9.27E-09	0.00E+00	1.26E-08	0.01	0.000057	915
630574_4277411	630574	4277411	2.6E-04	2.96E-09	8.36E-09	0.00E+00	1.13E-08	0.01	0.000051	916
630574_4277311	630574	4277311	2.0E-04	2.32E-09	6.55E-09	0.00E+00	8.87E-09	0.01	0.000040	917
630574_4277161	630574	4277161	1.3E-04	1.51E-09	4.26E-09	0.00E+00	5.77E-09	0.01	0.000026	918
630574_4277111	630574	4277111	1.1E-04	1.31E-09	3.71E-09	0.00E+00	5.02E-09	0.01	0.000023	919
630574_4276961	630574	4276961	8.1E-05	9.28E-10	2.62E-09	0.00E+00	3.55E-09	0.00	0.000016	920
630574_4276911	630574	4276911	7.2E-05	8.25E-10	2.33E-09	0.00E+00	3.15E-09	0.00	0.000014	921
630624_4278161	630624	4278161	1.2E-04	1.43E-09	4.04E-09	0.00E+00	5.47E-09	0.01	0.000025	922
630624_4278111	630624	4278111	1.3E-04	1.52E-09	4.30E-09	0.00E+00	5.82E-09	0.01	0.000026	923
630624_4278061	630624	4278061	1.4E-04	1.61E-09	4.54E-09	0.00E+00	6.15E-09	0.01	0.000028	924
630624_4278011	630624	4278011	1.4E-04	1.67E-09	4.70E-09	0.00E+00	6.36E-09	0.01	0.000029	925
630624_4277961	630624	4277961	1.5E-04	1.69E-09	4.76E-09	0.00E+00	6.45E-09	0.01	0.000029	926
630624_4277911	630624	4277911	1.4E-04	1.67E-09	4.70E-09	0.00E+00	6.36E-09	0.01	0.000029	927
630624_4277811	630624	4277811	1.5E-04	1.78E-09	5.03E-09	0.00E+00	6.82E-09	0.01	0.000031	928
630624_4277761	630624	4277761	1.7E-04	2.00E-09	5.65E-09	0.00E+00	7.66E-09	0.01	0.000035	929
630624_4277711	630624	4277711	2.0E-04	2.28E-09	6.44E-09	0.00E+00	8.72E-09	0.01	0.000040	930
630624_4277661	630624	4277661	2.2E-04	2.54E-09	7.17E-09	0.00E+00	9.71E-09	0.01	0.000044	931
630624_4277561	630624	4277561	2.4E-04	2.80E-09	7.91E-09	0.00E+00	1.07E-08	0.01	0.000049	932
630624_4277511	630624	4277511	2.4E-04	2.78E-09	7.84E-09	0.00E+00	1.06E-08	0.01	0.000048	933
630624_4277461	630624	4277461	2.3E-04	2.69E-09	7.58E-09	0.00E+00	1.03E-08	0.01	0.000047	934
630624_4277411	630624	4277411	2.2E-04	2.53E-09	7.12E-09	0.00E+00	9.65E-09	0.01	0.000044	935

630624_4277311	630624	4277311	1.8E-04	2.13E-09	6.00E-09	0.00E+00	8.13E-09	0.01	0.000037	936
630624_4277211	630624	4277211	1.5E-04	1.72E-09	4.86E-09	0.00E+00	6.58E-09	0.01	0.000030	937
630624_4276911	630624	4276911	7.6E-05	8.71E-10	2.46E-09	0.00E+00	3.33E-09	0.00	0.000015	938
630674_4278161	630674	4278161	9.7E-05	1.12E-09	3.15E-09	0.00E+00	4.27E-09	0.00	0.000019	939
630674_4278111	630674	4278111	1.0E-04	1.17E-09	3.31E-09	0.00E+00	4.49E-09	0.00	0.000020	940
630674_4278061	630674	4278061	1.1E-04	1.22E-09	3.45E-09	0.00E+00	4.68E-09	0.00	0.000021	941
630674_4278011	630674	4278011	1.1E-04	1.26E-09	3.56E-09	0.00E+00	4.82E-09	0.00	0.000022	942
630674_4277961	630674	4277961	1.1E-04	1.27E-09	3.57E-09	0.00E+00	4.84E-09	0.00	0.000022	943
630674_4277911	630674	4277911	1.1E-04	1.25E-09	3.51E-09	0.00E+00	4.76E-09	0.00	0.000022	944
630674_4277861	630674	4277861	1.1E-04	1.25E-09	3.51E-09	0.00E+00	4.76E-09	0.00	0.000022	945
630674_4277811	630674	4277811	1.1E-04	1.31E-09	3.69E-09	0.00E+00	5.00E-09	0.00	0.000023	946
630674_4277761	630674	4277761	1.3E-04	1.44E-09	4.07E-09	0.00E+00	5.51E-09	0.01	0.000025	947
630674_4277711	630674	4277711	1.4E-04	1.63E-09	4.59E-09	0.00E+00	6.21E-09	0.01	0.000028	948
630674_4277661	630674	4277661	1.6E-04	1.82E-09	5.14E-09	0.00E+00	6.96E-09	0.01	0.000032	949
630674_4277561	630674	4277561	1.8E-04	2.11E-09	5.94E-09	0.00E+00	8.05E-09	0.01	0.000037	950
630674_4277511	630674	4277511	1.9E-04	2.16E-09	6.08E-09	0.00E+00	8.24E-09	0.01	0.000037	951
630674_4277461	630674	4277461	1.9E-04	2.15E-09	6.07E-09	0.00E+00	8.22E-09	0.01	0.000037	952
630674_4277411	630674	4277411	1.8E-04	2.09E-09	5.90E-09	0.00E+00	7.99E-09	0.01	0.000036	953
630674_4277211	630674	4277211	1.4E-04	1.61E-09	4.55E-09	0.00E+00	6.16E-09	0.01	0.000028	954
630674_4277161	630674	4277161	1.3E-04	1.47E-09	4.16E-09	0.00E+00	5.63E-09	0.01	0.000026	955
630674_4277111	630674	4277111	1.2E-04	1.34E-09	3.78E-09	0.00E+00	5.12E-09	0.01	0.000023	956
630674_4277061	630674	4277061	1.1E-04	1.21E-09	3.42E-09	0.00E+00	4.63E-09	0.00	0.000021	957
630674_4277011	630674	4277011	9.5E-05	1.10E-09	3.09E-09	0.00E+00	4.18E-09	0.00	0.000019	958
630724_4278161	630724	4278161	7.8E-05	8.97E-10	2.53E-09	0.00E+00	3.43E-09	0.00	0.000016	959
630724_4278111	630724	4278111	8.1E-05	9.38E-10	2.65E-09	0.00E+00	3.58E-09	0.00	0.000016	960
630724_4278061	630724	4278061	8.4E-05	9.70E-10	2.74E-09	0.00E+00	3.71E-09	0.00	0.000017	961
630724_4278011	630724	4278011	8.6E-05	9.87E-10	2.78E-09	0.00E+00	3.77E-09	0.00	0.000017	962
630724_4277961	630724	4277961	8.5E-05	9.84E-10	2.78E-09	0.00E+00	3.76E-09	0.00	0.000017	963
630724_4277911	630724	4277911	8.4E-05	9.65E-10	2.72E-09	0.00E+00	3.69E-09	0.00	0.000017	964
630724_4277861	630724	4277861	8.3E-05	9.61E-10	2.71E-09	0.00E+00	3.67E-09	0.00	0.000017	965
630724_4277811	630724	4277811	8.7E-05	1.00E-09	2.82E-09	0.00E+00	3.82E-09	0.00	0.000017	966
630724_4277761	630724	4277761	9.4E-05	1.09E-09	3.06E-09	0.00E+00	4.15E-09	0.00	0.000019	967
630724_4277711	630724	4277711	1.0E-04	1.21E-09	3.41E-09	0.00E+00	4.62E-09	0.00	0.000021	968
630724_4277661	630724	4277661	1.2E-04	1.35E-09	3.81E-09	0.00E+00	5.16E-09	0.01	0.000023	969
630724_4277611	630724	4277611	1.3E-04	1.49E-09	4.20E-09	0.00E+00	5.69E-09	0.01	0.000026	970
630724_4277561	630724	4277561	1.4E-04	1.60E-09	4.52E-09	0.00E+00	6.13E-09	0.01	0.000028	971
630724_4277511	630724	4277511	1.5E-04	1.68E-09	4.75E-09	0.00E+00	6.43E-09	0.01	0.000029	972
630724_4277461	630724	4277461	1.5E-04	1.72E-09	4.86E-09	0.00E+00	6.58E-09	0.01	0.000030	973
630724_4277411	630724	4277411	1.5E-04	1.72E-09	4.84E-09	0.00E+00	6.56E-09	0.01	0.000030	974
630724_4277261	630724	4277261	1.3E-04	1.56E-09	4.39E-09	0.00E+00	5.94E-09	0.01	0.000027	975
630724_4277211	630724	4277211	1.3E-04	1.47E-09	4.13E-09	0.00E+00	5.60E-09	0.01	0.000025	976
630724_4277161	630724	4277161	1.2E-04	1.37E-09	3.86E-09	0.00E+00	5.23E-09	0.01	0.000024	977
630724_4277111	630724	4277111	1.1E-04	1.27E-09	3.58E-09	0.00E+00	4.85E-09	0.00	0.000022	978
630724_4277061	630724	4277061	1.0E-04	1.17E-09	3.30E-09	0.00E+00	4.47E-09	0.00	0.000020	979
630724_4277011	630724	4277011	9.3E-05	1.08E-09	3.03E-09	0.00E+00	4.11E-09	0.00	0.000019	980
630724_4276961	630724	4276961	8.6E-05	9.86E-10	2.78E-09	0.00E+00	3.77E-09	0.00	0.000017	981
630774_4278161	630774	4278161	6.4E-05	7.36E-10	2.07E-09	0.00E+00	2.81E-09	0.00	0.000013	982
630774_4278111	630774	4278111	6.6E-05	7.66E-10	2.16E-09	0.00E+00	2.92E-09	0.00	0.000013	983
630774_4278061	630774	4278061	6.8E-05	7.86E-10	2.22E-09	0.00E+00	3.00E-09	0.00	0.000014	984
630774_4278011	630774	4278011	6.9E-05	7.94E-10	2.24E-09	0.00E+00	3.03E-09	0.00	0.000014	985
630774_4277961	630774	4277961	6.8E-05	7.86E-10	2.22E-09	0.00E+00	3.00E-09	0.00	0.000014	986
630774_4277911	630774	4277911	6.7E-05	7.69E-10	2.17E-09	0.00E+00	2.94E-09	0.00	0.000013	987
630774_4277861	630774	4277861	6.6E-05	7.64E-10	2.16E-09	0.00E+00	2.92E-09	0.00	0.000013	988
630774_4277761	630774	4277761	7.3E-05	8.47E-10	2.39E-09	0.00E+00	3.24E-09	0.00	0.000015	989
630774_4277711	630774	4277711	8.1E-05	9.32E-10	2.63E-09	0.00E+00	3.56E-09	0.00	0.000016	990
630774_4277611	630774	4277611	9.9E-05	1.14E-09	3.22E-09	0.00E+00	4.36E-09	0.00	0.000020	991
630774_4277561	630774	4277561	1.1E-04	1.24E-09	3.50E-09	0.00E+00	4.74E-09	0.00	0.000022	992
630774_4277511	630774	4277511	1.1E-04	1.32E-09	3.73E-09	0.00E+00	5.05E-09	0.01	0.000023	993
630774_4277461	630774	4277461	1.2E-04	1.38E-09	3.89E-09	0.00E+00	5.27E-09	0.01	0.000024	994
630774_4277311	630774	4277311	1.2E-04	1.39E-09	3.93E-09	0.00E+00	5.32E-09	0.01	0.000024	995
630774_4277261	630774	4277261	1.2E-04	1.36E-09	3.83E-09	0.00E+00	5.19E-09	0.01	0.000024	996
630774_4277211	630774	4277211	1.1E-04	1.31E-09	3.68E-09	0.00E+00	4.99E-09	0.00	0.000023	997
630774_4277161	630774	4277161	1.1E-04	1.24E-09	3.51E-09	0.00E+00	4.75E-09	0.00	0.000022	998
630774_4277111	630774	4277111	1.0E-04	1.17E-09	3.31E-09	0.00E+00	4.49E-09	0.00	0.000020	999
630774_4277061	630774	4277061	9.6E-05	1.10E-09	3.11E-09	0.00E+00	4.21E-09	0.00	0.000019	1000
630774_4277011	630774	4277011	8.9E-05	1.03E-09	2.90E-09	0.00E+00	3.93E-09	0.00	0.000018	1001
630774_4276961	630774	4276961	8.3E-05	9.58E-10	2.70E-09	0.00E+00	3.66E-09	0.00	0.000017	1002
630774_4276911	630774	4276911	7.7E-05	8.88E-10	2.50E-09	0.00E+00	3.39E-09	0.00	0.000015	1003
630824_4278161	630824	4278161	5.3E-05	6.15E-10	1.73E-09	0.00E+00	2.35E-09	0.00	0.000011	1004
630824_4278111	630824	4278111	5.5E-05	6.36E-10	1.79E-09	0.00E+00	2.43E-09	0.00	0.000011	1005
630824_4278061	630824	4278061	5.6E-05	6.48E-10	1.83E-09	0.00E+00	2.47E-09	0.00	0.000011	1006
630824_4278011	630824	4278011	5.7E-05	6.51E-10	1.84E-09	0.00E+00	2.49E-09	0.00	0.000011	1007
630824_4277961	630824	4277961	5.6E-05	6.42E-10	1.81E-09	0.00E+00	2.45E-09	0.00	0.000011	1008
630824_4277911	630824	4277911	5.4E-05	6.28E-10	1.77E-09	0.00E+00	2.40E-09	0.00	0.000011	1009
630824_4277861	630824	4277861	5.4E-05	6.23E-10	1.76E-09	0.00E+00	2.38E-09	0.00	0.000011	1010
630824_4277811	630824	4277811	5.5E-05	6.39E-10	1.80E-09	0.00E+00	2.44E-09	0.00	0.000011	1011
630824_4277661	630824	4277661	7.1E-05	8.14E-10	2.30E-09	0.00E+00	3.11E-09	0.00	0.000014	1012
630824_4277611	630824	4277611	7.8E-05	8.96E-10	2.53E-09	0.00E+00	3.42E-09	0.00	0.000016	1013
630824_4277561	630824	4277561	8.5E-05	9.78E-10	2.76E-09	0.00E+00	3.74E-09	0.00	0.000017	1014
630824_4277511	630824	4277511	9.1E-05	1.05E-09	2.96E-09	0.00E+00	4.02E-09	0.00	0.000018	1015
630824_4277461	630824	4277461	9.6E-05	1.11E-09	3.12E-09	0.00E+00	4.23E-09	0.00	0.000019	1016
630824_4277311	630824	4277311	1.0E-04	1.18E-09	3.34E-09	0.00E+00	4.52E-09	0.00	0.000021	1017
630824_4277261	630824	4277261	1.0E-04	1.17E-09	3.31E-09	0.00E+00	4.48E-09	0.00	0.000020	1018
630824_4277211	630824	4277211	1.0E-04	1.15E-09	3.24E-09	0.00E+00	4.39E-09	0.00	0.000020	1019
630824_4277161	630824	4277161	9.7E-05	1.11E-09	3.14E-09	0.00E+00	4.25E-09	0.00	0.000019	1020
630824_4277111	630824	4277111	9.3E-05	1.07E-09	3.02E-09	0.00E+00	4.08E-09	0.00	0.000019	1021
630824_4277061	630824	4277061	8.8E-05	1.02E-09	2.88E-09	0.00E+00	3.89E-09	0.00	0.000018	1022
630824_4277011	630824	4277011	8.4E-05	9.66E-10	2.72E-09	0.00E+00	3.69E-09	0.00	0.000017	1023
630824_4276961	630824	4276961	7.9E-05	9.11E-10	2.57E-09	0.00E+00	3.48E-09	0.00	0.000016	1024
630824_4276911	630824	4276911	7.4E-05	8.56E-10	2.41E-09	0.00E+00	3.27E-09	0.00	0.000015	1025
630874_4278161	630874	4278161	4.5E-05	5.23E-10	1.47E-09	0.00E+00	2.00E-09	0.00	0.000009	1026
630874_4278111	630874	4278111	4.7E-05	5.38E-10	1.52E-09	0.00E+00	2.05E-09	0.00	0.000009	1027
630874_4278061	630874	4278061	4.7E-05	5.45E-10	1.54E-09	0.00E+00	2.08E-09	0.00	0.000009	1028
630874_4278011	630874	4278011	4.7E-05	5.45E-10	1.54E-09	0.00E+00	2.08E-09	0.00	0.000009	1029
630874_4277961	630874	4277961	4.6E-05	5.35E-10	1.51E-09	0.00E+00	2.04E-09	0.00	0.000009	1030
630874_4277911	630874	4277911	4.5E-05	5.22E-10	1.47E-09	0.00E+00	2.00E-09	0.00	0.000009	1031
630874_4277861	630874	4277861	4.5E-05	5.17E-10	1.46E-09	0.00E+00	1.98E-09	0.00	0.000009	1032
630874_4277811	630874	4277811	4.6E-05	5.29E-10	1.49E-09	0.00E+00	2.02E-09	0.00	0.000009	1033
630874_4277711	630874	4277711	5.2E-05	6.02E-10	1.70E-09	0.00E+00	2.30E-09	0.00	0.000010	1034
630874_4277661	630874	4277661	5.7E-05	6.58E-10	1.85E-09	0.00E+00	2.51E-09	0.00	0.000011	1035
630874_4277611	630874	4277611	6.2E-05	7.20E-10	2.03E-09	0.00E+00	2.75E-09	0.00	0.000012	1036
630874_4277561	630874	4277561	6.8E-05	7.85E-10	2.21E-09	0.00E+00	3.00E-09	0.00	0.000014	1037
630874_4277511	630874	4277511	7.4E-05	8.50E-10	2.40E-09	0.00E+00	3.25E-09	0.00	0.000015	1038
630874_4277361	630874	4277361	8.5E-05	9.84E-10	2.78E-09	0.00E+00	3.76E-09	0.00	0.000017	1039
630874_4277311	630874	4277311	8.7E-05	1.00E-09	2.83E-09	0.00E+00	3.83E-09	0.00	0.000017	1040
630874_4277261	630874	4277261	8.8E-05	1.01E-09	2.85E-09	0.00E+00	3.86E-09	0.00	0.000018	1041
630874_4277211	630874	4277211	8.7E-05	1.00E-09	2.83E-09	0.00E+00	3.83E-09	0.00	0.000017	1042
630874_4277161	630874	4277161	8.6E-05	9.87E-10	2.78E-09	0.00E+00	3.77E-09	0.00	0.000017	1043
630874_4277111	630874	4277111	8.3E-05	9.62E-10	2.71E-09	0.00E+00	3.68E-09	0.00	0.000017	1044
630874_4277061	630874	4277061	8.1E-05	9.30E-10	2.62E-09	0.00E+00	3.55E-09	0.00	0.000016	1045
630874_4277011	630874	4277011	7.8E-05	8.94E-10	2.52E-09	0.00E+00	3.41E-09	0.00	0.000016	1046
630874_4276961	630874	4276961	7.4E-05	8.54E-10	2.41E-09	0.00E+00	3.26E-09	0.00	0.000015	1047
630874_4276911	630874	4276911	7.0E-05	8.12E-10	2.29E-09	0.00E+00	3.10E-09	0.00	0.000014	1048
630924_4278161	630924	4278161	3.9E-05	4.50E-10	1.27E-09	0.00E+00	1.72E-09	0.00	0.000008	1049
630924_4278111	630924	4278111	4.0E-05	4.61E-10	1.30E-09	0.00E+00	1.76E-09	0.00	0.000008	1050
630924_4278061	630924	4278061	4.0E-05	4.65E-10	1.31E-09	0.00E+00	1.78E-09	0.00	0.000008	1051
630924_4278011	630924	4278011	4.0E-05	4.63E-10	1.30E-09	0.00E+00	1.77E-09	0.00	0.000008	1052
630924_4277961	630924	4277961	3.9E-05	4.53E-10	1.28E-09	0.00E+00	1.73E-09	0.00	0.000008	1053
630924_4277911	630924	4277911	3.8E-05	4.42E-10	1.25E-09	0.00E+00	1.69E-09	0.00	0.000008	1054
630924_4277861	630924	4277861	3.8E-05	4.37E-10	1.23E-09	0.00E+00	1.67E-09	0.00	0.000008	1055
630924_4277811	630924	4277811	3.9E-05	4.45E-10	1.26E-09	0.00E+00	1.70E-09	0.00	0.000008	1056
630924_4277761	630924	4277761	4.1E-05	4.67E-10	1.32E-09	0.00E+00	1.78E-09	0.00	0.000008	1057

630924_4277661	630924	4277661	4.7E-05	5.43E-10	1.53E-09	0.00E+00	2.07E-09	0.00	0.000009	1058
630924_4277611	630924	4277611	5.1E-05	5.91E-10	1.67E-09	0.00E+00	2.26E-09	0.00	0.000010	1059
630924_4277561	630924	4277561	5.6E-05	6.42E-10	1.81E-09	0.00E+00	2.45E-09	0.00	0.000011	1060
630924_4277511	630924	4277511	6.0E-05	6.91E-10	1.95E-09	0.00E+00	2.64E-09	0.00	0.000012	1061
630924_4277411	630924	4277411	6.9E-05	7.90E-10	2.23E-09	0.00E+00	3.02E-09	0.00	0.000014	1062
630924_4277361	630924	4277361	7.2E-05	8.25E-10	2.33E-09	0.00E+00	3.15E-09	0.00	0.000014	1063
630924_4277311	630924	4277311	7.4E-05	8.51E-10	2.40E-09	0.00E+00	3.25E-09	0.00	0.000015	1064
630924_4277261	630924	4277261	7.5E-05	8.67E-10	2.45E-09	0.00E+00	3.31E-09	0.00	0.000015	1065
630924_4277211	630924	4277211	7.6E-05	8.73E-10	2.46E-09	0.00E+00	3.34E-09	0.00	0.000015	1066
630924_4277161	630924	4277161	7.5E-05	8.70E-10	2.45E-09	0.00E+00	3.32E-09	0.00	0.000015	1067
630924_4277111	630924	4277111	7.5E-05	8.59E-10	2.42E-09	0.00E+00	3.28E-09	0.00	0.000015	1068
630924_4277061	630924	4277061	7.3E-05	8.41E-10	2.37E-09	0.00E+00	3.21E-09	0.00	0.000015	1069
630924_4277011	630924	4277011	7.1E-05	8.18E-10	2.31E-09	0.00E+00	3.13E-09	0.00	0.000014	1070
630924_4276961	630924	4276961	6.9E-05	7.91E-10	2.23E-09	0.00E+00	3.02E-09	0.00	0.000014	1071
630924_4276911	630924	4276911	6.6E-05	7.61E-10	2.14E-09	0.00E+00	2.91E-09	0.00	0.000013	1072
630974_4278161	630974	4278161	3.4E-05	3.93E-10	1.11E-09	0.00E+00	1.50E-09	0.00	0.000007	1073
630974_4278111	630974	4278111	3.5E-05	4.00E-10	1.13E-09	0.00E+00	1.53E-09	0.00	0.000007	1074
630974_4278061	630974	4278061	3.5E-05	4.02E-10	1.14E-09	0.00E+00	1.54E-09	0.00	0.000007	1075
630974_4278011	630974	4278011	3.4E-05	3.98E-10	1.12E-09	0.00E+00	1.52E-09	0.00	0.000007	1076
630974_4277961	630974	4277961	3.4E-05	3.89E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1077
630974_4277911	630974	4277911	3.3E-05	3.80E-10	1.07E-09	0.00E+00	1.45E-09	0.00	0.000007	1078
630974_4277861	630974	4277861	3.3E-05	3.75E-10	1.06E-09	0.00E+00	1.43E-09	0.00	0.000007	1079
630974_4277811	630974	4277811	3.3E-05	3.81E-10	1.07E-09	0.00E+00	1.45E-09	0.00	0.000007	1080
630974_4277761	630974	4277761	3.4E-05	3.97E-10	1.12E-09	0.00E+00	1.52E-09	0.00	0.000007	1081
630974_4277661	630974	4277661	4.0E-05	4.56E-10	1.29E-09	0.00E+00	1.74E-09	0.00	0.000008	1082
630974_4277611	630974	4277611	4.3E-05	4.93E-10	1.39E-09	0.00E+00	1.88E-09	0.00	0.000009	1083
630974_4277561	630974	4277561	4.6E-05	5.34E-10	1.50E-09	0.00E+00	2.04E-09	0.00	0.000009	1084
630974_4277461	630974	4277461	5.4E-05	6.20E-10	1.75E-09	0.00E+00	2.37E-09	0.00	0.000011	1085
630974_4277411	630974	4277411	5.7E-05	6.61E-10	1.86E-09	0.00E+00	2.53E-09	0.00	0.000011	1086
630974_4277361	630974	4277361	6.0E-05	6.96E-10	1.96E-09	0.00E+00	2.66E-09	0.00	0.000012	1087
630974_4277311	630974	4277311	6.3E-05	7.24E-10	2.04E-09	0.00E+00	2.77E-09	0.00	0.000013	1088
630974_4277261	630974	4277261	6.5E-05	7.45E-10	2.10E-09	0.00E+00	2.85E-09	0.00	0.000013	1089
630974_4277211	630974	4277211	6.6E-05	7.59E-10	2.14E-09	0.00E+00	2.90E-09	0.00	0.000013	1090
630974_4277161	630974	4277161	6.6E-05	7.65E-10	2.16E-09	0.00E+00	2.92E-09	0.00	0.000013	1091
630974_4277111	630974	4277111	6.6E-05	7.64E-10	2.15E-09	0.00E+00	2.92E-09	0.00	0.000013	1092
630974_4277061	630974	4277061	6.6E-05	7.56E-10	2.13E-09	0.00E+00	2.89E-09	0.00	0.000013	1093
630974_4277011	630974	4277011	6.5E-05	7.44E-10	2.10E-09	0.00E+00	2.84E-09	0.00	0.000013	1094
630974_4276961	630974	4276961	6.3E-05	7.26E-10	2.05E-09	0.00E+00	2.77E-09	0.00	0.000013	1095
630974_4276911	630974	4276911	6.1E-05	7.06E-10	1.99E-09	0.00E+00	2.70E-09	0.00	0.000012	1096
631024_4278161	631024	4278161	3.0E-05	3.46E-10	9.75E-10	0.00E+00	1.32E-09	0.00	0.000006	1097
631024_4278111	631024	4278111	3.0E-05	3.51E-10	9.90E-10	0.00E+00	1.34E-09	0.00	0.000006	1098
631024_4278061	631024	4278061	3.0E-05	3.51E-10	9.90E-10	0.00E+00	1.34E-09	0.00	0.000006	1099
631024_4278011	631024	4278011	3.0E-05	3.46E-10	9.76E-10	0.00E+00	1.32E-09	0.00	0.000006	1100
631024_4277961	631024	4277961	2.9E-05	3.38E-10	9.52E-10	0.00E+00	1.29E-09	0.00	0.000006	1101
631024_4277911	631024	4277911	2.9E-05	3.30E-10	9.30E-10	0.00E+00	1.26E-09	0.00	0.000006	1102
631024_4277861	631024	4277861	2.8E-05	3.26E-10	9.19E-10	0.00E+00	1.24E-09	0.00	0.000006	1103
631024_4277811	631024	4277811	2.9E-05	3.30E-10	9.30E-10	0.00E+00	1.26E-09	0.00	0.000006	1104
631024_4277761	631024	4277761	3.0E-05	3.42E-10	9.66E-10	0.00E+00	1.31E-09	0.00	0.000006	1105
631024_4277711	631024	4277711	3.1E-05	3.63E-10	1.02E-09	0.00E+00	1.39E-09	0.00	0.000006	1106
631024_4277611	631024	4277611	3.6E-05	4.19E-10	1.18E-09	0.00E+00	1.60E-09	0.00	0.000007	1107
631024_4277411	631024	4277411	4.8E-05	5.57E-10	1.57E-09	0.00E+00	2.13E-09	0.00	0.000010	1108
631024_4277361	631024	4277361	5.1E-05	5.90E-10	1.66E-09	0.00E+00	2.25E-09	0.00	0.000010	1109
631024_4277311	631024	4277311	5.4E-05	6.19E-10	1.75E-09	0.00E+00	2.36E-09	0.00	0.000011	1110
631024_4277261	631024	4277261	5.6E-05	6.43E-10	1.81E-09	0.00E+00	2.45E-09	0.00	0.000011	1111
631024_4277211	631024	4277211	5.7E-05	6.60E-10	1.86E-09	0.00E+00	2.52E-09	0.00	0.000011	1112
631024_4277161	631024	4277161	5.8E-05	6.71E-10	1.89E-09	0.00E+00	2.57E-09	0.00	0.000012	1113
631024_4277111	631024	4277111	5.9E-05	6.77E-10	1.91E-09	0.00E+00	2.59E-09	0.00	0.000012	1114
631024_4277061	631024	4277061	5.9E-05	6.77E-10	1.91E-09	0.00E+00	2.59E-09	0.00	0.000012	1115
631024_4277011	631024	4277011	5.8E-05	6.72E-10	1.90E-09	0.00E+00	2.57E-09	0.00	0.000012	1116
631024_4276961	631024	4276961	5.8E-05	6.63E-10	1.87E-09	0.00E+00	2.53E-09	0.00	0.000012	1117
631024_4276911	631024	4276911	5.6E-05	6.50E-10	1.83E-09	0.00E+00	2.48E-09	0.00	0.000011	1118
631074_4278161	631074	4278161	2.7E-05	3.07E-10	8.66E-10	0.00E+00	1.17E-09	0.00	0.000005	1119
631074_4278111	631074	4278111	2.7E-05	3.11E-10	8.76E-10	0.00E+00	1.19E-09	0.00	0.000005	1120
631074_4278061	631074	4278061	2.7E-05	3.10E-10	8.74E-10	0.00E+00	1.18E-09	0.00	0.000005	1121
631074_4278011	631074	4278011	2.6E-05	3.04E-10	8.58E-10	0.00E+00	1.16E-09	0.00	0.000005	1122
631074_4277961	631074	4277961	2.6E-05	2.97E-10	8.37E-10	0.00E+00	1.13E-09	0.00	0.000005	1123
631074_4277911	631074	4277911	2.5E-05	2.90E-10	8.17E-10	0.00E+00	1.11E-09	0.00	0.000005	1124
631074_4277861	631074	4277861	2.5E-05	2.86E-10	8.07E-10	0.00E+00	1.09E-09	0.00	0.000005	1125
631074_4277811	631074	4277811	2.5E-05	2.89E-10	8.14E-10	0.00E+00	1.10E-09	0.00	0.000005	1126
631074_4277761	631074	4277761	2.6E-05	2.98E-10	8.42E-10	0.00E+00	1.14E-09	0.00	0.000005	1127
631074_4277711	631074	4277711	2.7E-05	3.15E-10	8.89E-10	0.00E+00	1.20E-09	0.00	0.000005	1128
631074_4277461	631074	4277461	3.9E-05	4.46E-10	1.26E-09	0.00E+00	1.70E-09	0.00	0.000008	1129
631074_4277311	631074	4277311	4.6E-05	5.32E-10	1.50E-09	0.00E+00	2.03E-09	0.00	0.000009	1130
631074_4277261	631074	4277261	4.8E-05	5.56E-10	1.57E-09	0.00E+00	2.12E-09	0.00	0.000010	1131
631074_4277211	631074	4277211	5.0E-05	5.75E-10	1.62E-09	0.00E+00	2.20E-09	0.00	0.000010	1132
631074_4277161	631074	4277161	5.1E-05	5.90E-10	1.66E-09	0.00E+00	2.25E-09	0.00	0.000010	1133
631074_4277111	631074	4277111	5.2E-05	6.00E-10	1.69E-09	0.00E+00	2.29E-09	0.00	0.000010	1134
631074_4277061	631074	4277061	5.2E-05	6.05E-10	1.71E-09	0.00E+00	2.31E-09	0.00	0.000010	1135
631074_4277011	631074	4277011	5.3E-05	6.06E-10	1.71E-09	0.00E+00	2.32E-09	0.00	0.000011	1136
631074_4276961	631074	4276961	5.2E-05	6.03E-10	1.70E-09	0.00E+00	2.30E-09	0.00	0.000010	1137
631074_4276911	631074	4276911	5.2E-05	5.96E-10	1.68E-09	0.00E+00	2.28E-09	0.00	0.000010	1138
631124_4278161	631124	4278161	2.4E-05	2.75E-10	7.76E-10	0.00E+00	1.05E-09	0.00	0.000005	1139
631124_4278111	631124	4278111	2.4E-05	2.77E-10	7.81E-10	0.00E+00	1.06E-09	0.00	0.000005	1140
631124_4278061	631124	4278061	2.4E-05	2.75E-10	7.77E-10	0.00E+00	1.05E-09	0.00	0.000005	1141
631124_4278011	631124	4278011	2.3E-05	2.70E-10	7.63E-10	0.00E+00	1.03E-09	0.00	0.000005	1142
631124_4277961	631124	4277961	2.3E-05	2.63E-10	7.43E-10	0.00E+00	1.01E-09	0.00	0.000005	1143
631124_4277911	631124	4277911	2.2E-05	2.57E-10	7.24E-10	0.00E+00	9.81E-10	0.00	0.000004	1144
631124_4277861	631124	4277861	2.2E-05	2.53E-10	7.15E-10	0.00E+00	9.68E-10	0.00	0.000004	1145
631124_4277811	631124	4277811	2.2E-05	2.55E-10	7.20E-10	0.00E+00	9.76E-10	0.00	0.000004	1146
631124_4277761	631124	4277761	2.3E-05	2.63E-10	7.43E-10	0.00E+00	1.01E-09	0.00	0.000005	1147
631124_4277711	631124	4277711	2.4E-05	2.77E-10	7.80E-10	0.00E+00	1.06E-09	0.00	0.000005	1148
631124_4277461	631124	4277461	3.3E-05	3.84E-10	1.08E-09	0.00E+00	1.47E-09	0.00	0.000007	1149
631124_4277411	631124	4277411	3.6E-05	4.10E-10	1.16E-09	0.00E+00	1.57E-09	0.00	0.000007	1150
631124_4277261	631124	4277261	4.2E-05	4.83E-10	1.36E-09	0.00E+00	1.85E-09	0.00	0.000008	1151
631124_4277211	631124	4277211	4.4E-05	5.03E-10	1.42E-09	0.00E+00	1.92E-09	0.00	0.000009	1152
631124_4277161	631124	4277161	4.5E-05	5.19E-10	1.46E-09	0.00E+00	1.98E-09	0.00	0.000009	1153
631124_4277111	631124	4277111	4.6E-05	5.32E-10	1.50E-09	0.00E+00	2.03E-09	0.00	0.000009	1154
631124_4277061	631124	4277061	4.7E-05	5.40E-10	1.52E-09	0.00E+00	2.06E-09	0.00	0.000009	1155
631124_4277011	631124	4277011	4.7E-05	5.45E-10	1.54E-09	0.00E+00	2.08E-09	0.00	0.000009	1156
631124_4276961	631124	4276961	4.7E-05	5.47E-10	1.54E-09	0.00E+00	2.09E-09	0.00	0.000009	1157
631124_4276911	631124	4276911	4.7E-05	5.45E-10	1.54E-09	0.00E+00	2.08E-09	0.00	0.000009	1158
631174_4278161	631174	4278161	2.2E-05	2.48E-10	7.00E-10	0.00E+00	9.48E-10	0.00	0.000004	1159
631174_4278111	631174	4278111	2.2E-05	2.49E-10	7.02E-10	0.00E+00	9.51E-10	0.00	0.000004	1160
631174_4278061	631174	4278061	2.1E-05	2.47E-10	6.96E-10	0.00E+00	9.43E-10	0.00	0.000004	1161
631174_4278011	631174	4278011	2.1E-05	2.41E-10	6.81E-10	0.00E+00	9.22E-10	0.00	0.000004	1162
631174_4277961	631174	4277961	2.0E-05	2.35E-10	6.63E-10	0.00E+00	8.99E-10	0.00	0.000004	1163
631174_4277911	631174	4277911	2.0E-05	2.29E-10	6.47E-10	0.00E+00	8.76E-10	0.00	0.000004	1164
631174_4277861	631174	4277861	2.0E-05	2.27E-10	6.39E-10	0.00E+00	8.66E-10	0.00	0.000004	1165
631174_4277811	631174	4277811	2.0E-05	2.27E-10	6.41E-10	0.00E+00	8.69E-10	0.00	0.000004	1166
631174_4277761	631174	4277761	2.0E-05	2.34E-10	6.60E-10	0.00E+00	8.94E-10	0.00	0.000004	1167
631174_4277561	631174	4277561	2.6E-05	2.94E-10	8.30E-10	0.00E+00	1.12E-09	0.00	0.000005	1168
631174_4277511	631174	4277511	2.7E-05	3.14E-10	8.85E-10	0.00E+00	1.20E-09	0.00	0.000005	1169
631174_4277461	631174	4277461	2.9E-05	3.35E-10	9.45E-10	0.00E+00	1.28E-09	0.00	0.000006	1170
631174_4277311	631174	4277311	3.5E-05	4.02E-10	1.13E-09	0.00E+00	1.53E-09	0.00	0.000007	1171
631174_4277261	631174	4277261	3.7E-05	4.23E-10	1.19E-09	0.00E+00	1.61E-09	0.00	0.000007	1172
631174_4277161	631174	4277161	4.0E-05	4.58E-10	1.29E-09	0.00E+00	1.75E-09	0.00	0.000008	1173
631174_4277111	631174	4277111	4.1E-05	4.72E-10	1.33E-09	0.00E+00	1.80E-09	0.00	0.000008	1174
631174_4277061	631174	4277061	4.2E-05	4.83E-10	1.36E-09	0.00E+00	1.84E-09	0.00	0.000008	1175
631174_4277011	631174	4277011	4.3E-05	4.90E-10	1.38E-09	0.00E+00	1.87E-09	0.00	0.000009	1176
631174_4276961	631174	4276961	4.3E-05	4.95E-10	1.40E-09	0.00E+00	1.89E-09	0.00	0.000009	1177
631174_4276911	631174	4276911	4.3E-05	4.97E-10	1.40E-09	0.00E+00	1.90E-09	0.00	0.000009	1178
631224_4278161	631224	4278161	1.9E-05	2.25E-10	6.34E-10	0.00E+00	8.59E-10	0.00	0.000004	1179

631224_4278111	631224	4278111	2.0E-05	2.25E-10	6.34E-10	0.00E+00	8.59E-10	0.00	0.000004	1180
631224_4278061	631224	4278061	1.9E-05	2.23E-10	6.28E-10	0.00E+00	8.50E-10	0.00	0.000004	1181
631224_4278011	631224	4278011	1.9E-05	2.18E-10	6.14E-10	0.00E+00	8.32E-10	0.00	0.000004	1182
631224_4277961	631224	4277961	1.8E-05	2.12E-10	5.98E-10	0.00E+00	8.10E-10	0.00	0.000004	1183
631224_4277911	631224	4277911	1.8E-05	2.07E-10	5.82E-10	0.00E+00	7.89E-10	0.00	0.000004	1184
631224_4277861	631224	4277861	1.8E-05	2.04E-10	5.75E-10	0.00E+00	7.79E-10	0.00	0.000004	1185
631224_4277811	631224	4277811	1.8E-05	2.04E-10	5.77E-10	0.00E+00	7.81E-10	0.00	0.000004	1186
631224_4277761	631224	4277761	1.8E-05	2.10E-10	5.92E-10	0.00E+00	8.02E-10	0.00	0.000004	1187
631224_4277561	631224	4277561	2.3E-05	2.60E-10	7.34E-10	0.00E+00	9.94E-10	0.00	0.000005	1188
631224_4277461	631224	4277461	2.6E-05	2.95E-10	8.33E-10	0.00E+00	1.13E-09	0.00	0.000005	1189
631224_4277361	631224	4277361	2.9E-05	3.33E-10	9.39E-10	0.00E+00	1.27E-09	0.00	0.000006	1190
631224_4277311	631224	4277311	3.1E-05	3.53E-10	9.94E-10	0.00E+00	1.35E-09	0.00	0.000006	1191
631224_4277261	631224	4277261	3.2E-05	3.72E-10	1.05E-09	0.00E+00	1.42E-09	0.00	0.000006	1192
631224_4277211	631224	4277211	3.4E-05	3.89E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1193
631224_4277161	631224	4277161	3.5E-05	4.05E-10	1.14E-09	0.00E+00	1.55E-09	0.00	0.000007	1194
631224_4277111	631224	4277111	3.6E-05	4.20E-10	1.18E-09	0.00E+00	1.60E-09	0.00	0.000007	1195
631224_4277061	631224	4277061	3.7E-05	4.31E-10	1.22E-09	0.00E+00	1.65E-09	0.00	0.000007	1196
631224_4277011	631224	4277011	3.8E-05	4.41E-10	1.24E-09	0.00E+00	1.68E-09	0.00	0.000008	1197
631224_4276961	631224	4276961	3.9E-05	4.48E-10	1.26E-09	0.00E+00	1.71E-09	0.00	0.000008	1198
631224_4276911	631224	4276911	3.9E-05	4.52E-10	1.28E-09	0.00E+00	1.73E-09	0.00	0.000008	1199
631274_4277611	631274	4277611	1.9E-05	2.19E-10	6.18E-10	0.00E+00	8.37E-10	0.00	0.000004	1200
631274_4277561	631274	4277561	2.0E-05	2.32E-10	6.56E-10	0.00E+00	8.88E-10	0.00	0.000004	1201
631274_4277511	631274	4277511	2.1E-05	2.47E-10	6.96E-10	0.00E+00	9.43E-10	0.00	0.000004	1202
631274_4277461	631274	4277461	2.3E-05	2.63E-10	7.40E-10	0.00E+00	1.00E-09	0.00	0.000005	1203
631274_4277361	631274	4277361	2.6E-05	2.95E-10	8.31E-10	0.00E+00	1.13E-09	0.00	0.000005	1204
631274_4277311	631274	4277311	2.7E-05	3.12E-10	8.79E-10	0.00E+00	1.19E-09	0.00	0.000005	1205
631274_4277261	631274	4277261	2.9E-05	3.29E-10	9.27E-10	0.00E+00	1.26E-09	0.00	0.000006	1206
631274_4277211	631274	4277211	3.0E-05	3.45E-10	9.73E-10	0.00E+00	1.32E-09	0.00	0.000006	1207
631274_4277161	631274	4277161	3.1E-05	3.60E-10	1.02E-09	0.00E+00	1.38E-09	0.00	0.000006	1208
631274_4277111	631274	4277111	3.2E-05	3.74E-10	1.06E-09	0.00E+00	1.43E-09	0.00	0.000006	1209
631274_4277061	631274	4277061	3.4E-05	3.86E-10	1.09E-09	0.00E+00	1.48E-09	0.00	0.000007	1210
631274_4277011	631274	4277011	3.4E-05	3.97E-10	1.12E-09	0.00E+00	1.52E-09	0.00	0.000007	1211
631274_4276961	631274	4276961	3.5E-05	4.05E-10	1.14E-09	0.00E+00	1.55E-09	0.00	0.000007	1212
631274_4276911	631274	4276911	3.6E-05	4.11E-10	1.16E-09	0.00E+00	1.57E-09	0.00	0.000007	1213
630524_4277611	630524	4277611	4.6E-04	5.32E-09	1.50E-08	0.00E+00	2.03E-08	0.02	0.000092	1214
630524_4277561	630524	4277561	4.3E-04	4.94E-09	1.39E-08	0.00E+00	1.89E-08	0.02	0.000086	1215
630524_4277511	630524	4277511	3.8E-04	4.42E-09	1.25E-08	0.00E+00	1.69E-08	0.02	0.000077	1216
630524_4277461	630524	4277461	3.4E-04	3.86E-09	1.09E-08	0.00E+00	1.48E-08	0.01	0.000067	1217
630524_4277411	630524	4277411	2.9E-04	3.31E-09	9.34E-09	0.00E+00	1.27E-08	0.01	0.000057	1218
630524_4277261	630524	4277261	1.8E-04	2.04E-09	5.74E-09	0.00E+00	7.78E-09	0.01	0.000035	1219
630524_4276961	630524	4276961	7.5E-05	8.64E-10	2.44E-09	0.00E+00	3.30E-09	0.00	0.000015	1220
630524_4276911	630524	4276911	6.6E-05	7.66E-10	2.16E-09	0.00E+00	2.93E-09	0.00	0.000013	1221
630474_4277611	630474	4277611	6.3E-04	7.29E-09	2.06E-08	0.00E+00	2.79E-08	0.03	0.000127	1222
630474_4277561	630474	4277561	5.4E-04	6.23E-09	1.76E-08	0.00E+00	2.38E-08	0.02	0.000108	1223
630474_4277511	630474	4277511	4.5E-04	5.17E-09	1.46E-08	0.00E+00	1.98E-08	0.02	0.000090	1224
630474_4277461	630474	4277461	3.7E-04	4.24E-09	1.20E-08	0.00E+00	1.62E-08	0.02	0.000074	1225
630474_4277411	630474	4277411	3.0E-04	3.44E-09	9.71E-09	0.00E+00	1.32E-08	0.01	0.000060	1226
630474_4277061	630474	4277061	8.8E-05	1.02E-09	2.88E-09	0.00E+00	3.90E-09	0.00	0.000018	1227
630474_4276961	630474	4276961	6.8E-05	7.89E-10	2.23E-09	0.00E+00	3.02E-09	0.00	0.000014	1228
630474_4276911	630474	4276911	6.1E-05	7.00E-10	1.97E-09	0.00E+00	2.68E-09	0.00	0.000012	1229
630424_4277611	630424	4277611	8.0E-04	9.21E-09	2.60E-08	0.00E+00	3.52E-08	0.04	0.000160	1230
630424_4277561	630424	4277561	6.2E-04	7.10E-09	2.00E-08	0.00E+00	2.71E-08	0.03	0.000123	1231
630424_4277511	630424	4277511	4.7E-04	5.46E-09	1.54E-08	0.00E+00	2.09E-08	0.02	0.000095	1232
630424_4277461	630424	4277461	3.7E-04	4.22E-09	1.19E-08	0.00E+00	1.61E-08	0.02	0.000073	1233
630424_4277411	630424	4277411	2.8E-04	3.28E-09	9.26E-09	0.00E+00	1.25E-08	0.01	0.000057	1234
630424_4277211	630424	4277211	1.3E-04	1.46E-09	4.12E-09	0.00E+00	5.59E-09	0.01	0.000025	1235
630424_4277061	630424	4277061	7.9E-05	9.16E-10	2.58E-09	0.00E+00	3.50E-09	0.00	0.000016	1236
630424_4276961	630424	4276961	6.2E-05	7.12E-10	2.01E-09	0.00E+00	2.72E-09	0.00	0.000012	1237
630424_4276911	630424	4276911	5.5E-05	6.34E-10	1.79E-09	0.00E+00	2.42E-09	0.00	0.000011	1238
630374_4277611	630374	4277611	8.5E-04	9.83E-09	2.77E-08	0.00E+00	3.76E-08	0.04	0.000171	1239
630374_4277561	630374	4277561	6.0E-04	6.94E-09	1.96E-08	0.00E+00	2.65E-08	0.03	0.000120	1240
630374_4277511	630374	4277511	4.4E-04	5.04E-09	1.42E-08	0.00E+00	1.92E-08	0.02	0.000087	1241
630374_4277461	630374	4277461	3.3E-04	3.75E-09	1.06E-08	0.00E+00	1.43E-08	0.01	0.000065	1242
630374_4276961	630374	4276961	5.6E-05	6.40E-10	1.81E-09	0.00E+00	2.45E-09	0.00	0.000011	1243
630374_4276911	630374	4276911	5.0E-05	5.73E-10	1.62E-09	0.00E+00	2.19E-09	0.00	0.000010	1244
630324_4277611	630324	4277611	7.3E-04	8.38E-09	2.36E-08	0.00E+00	3.20E-08	0.03	0.000145	1245
630324_4277561	630324	4277561	5.0E-04	5.71E-09	1.61E-08	0.00E+00	2.18E-08	0.02	0.000099	1246
630324_4277511	630324	4277511	3.5E-04	4.09E-09	1.15E-08	0.00E+00	1.56E-08	0.02	0.000071	1247
630324_4277361	630324	4277361	1.7E-04	1.91E-09	5.40E-09	0.00E+00	7.31E-09	0.01	0.000033	1248
630324_4277311	630324	4277311	1.4E-04	1.56E-09	4.41E-09	0.00E+00	5.97E-09	0.01	0.000027	1249
630324_4277261	630324	4277261	1.1E-04	1.30E-09	3.67E-09	0.00E+00	4.97E-09	0.00	0.000023	1250
630324_4277211	630324	4277211	9.6E-05	1.10E-09	3.11E-09	0.00E+00	4.22E-09	0.00	0.000019	1251
630324_4277161	630324	4277161	8.2E-05	9.46E-10	2.67E-09	0.00E+00	3.61E-09	0.00	0.000016	1252
630324_4277111	630324	4277111	7.1E-05	8.20E-10	2.31E-09	0.00E+00	3.13E-09	0.00	0.000014	1253
630324_4276961	630324	4276961	5.0E-05	5.77E-10	1.63E-09	0.00E+00	2.20E-09	0.00	0.000010	1254
630324_4276911	630324	4276911	4.5E-05	5.20E-10	1.47E-09	0.00E+00	1.99E-09	0.00	0.000009	1255
630274_4277611	630274	4277611	5.3E-04	6.09E-09	1.72E-08	0.00E+00	2.33E-08	0.02	0.000106	1256
630274_4277461	630274	4277461	2.1E-04	2.46E-09	6.94E-09	0.00E+00	9.40E-09	0.01	0.000043	1257
630274_4277411	630274	4277411	1.7E-04	1.95E-09	5.50E-09	0.00E+00	7.45E-09	0.01	0.000034	1258
630274_4277361	630274	4277361	1.4E-04	1.59E-09	4.48E-09	0.00E+00	6.07E-09	0.01	0.000028	1259
630274_4277311	630274	4277311	1.1E-04	1.32E-09	3.73E-09	0.00E+00	5.05E-09	0.01	0.000023	1260
630274_4277261	630274	4277261	9.7E-05	1.12E-09	3.15E-09	0.00E+00	4.27E-09	0.00	0.000019	1261
630274_4277211	630274	4277211	8.3E-05	9.60E-10	2.71E-09	0.00E+00	3.67E-09	0.00	0.000017	1262
630274_4277161	630274	4277161	7.2E-05	8.33E-10	2.35E-09	0.00E+00	3.18E-09	0.00	0.000014	1263
630274_4277111	630274	4277111	6.3E-05	7.31E-10	2.06E-09	0.00E+00	2.79E-09	0.00	0.000013	1264
630274_4276961	630274	4276961	4.6E-05	5.25E-10	1.48E-09	0.00E+00	2.01E-09	0.00	0.000009	1265
630274_4276911	630274	4276911	4.1E-05	4.76E-10	1.34E-09	0.00E+00	1.82E-09	0.00	0.000008	1266
630224_4277511	630224	4277511	2.2E-04	2.50E-09	7.05E-09	0.00E+00	9.55E-09	0.01	0.000043	1267
630224_4277461	630224	4277461	1.7E-04	1.99E-09	5.60E-09	0.00E+00	7.59E-09	0.01	0.000034	1268
630224_4277411	630224	4277411	1.4E-04	1.62E-09	4.56E-09	0.00E+00	6.18E-09	0.01	0.000028	1269
630224_4277361	630224	4277361	1.2E-04	1.34E-09	3.79E-09	0.00E+00	5.13E-09	0.01	0.000023	1270
630224_4277311	630224	4277311	9.9E-05	1.14E-09	3.20E-09	0.00E+00	4.34E-09	0.00	0.000020	1271
630224_4277261	630224	4277261	8.5E-05	9.75E-10	2.75E-09	0.00E+00	3.72E-09	0.00	0.000017	1272
630224_4277211	630224	4277211	7.3E-05	8.47E-10	2.39E-09	0.00E+00	3.23E-09	0.00	0.000015	1273
630224_4277161	630224	4277161	6.4E-05	7.42E-10	2.09E-09	0.00E+00	2.83E-09	0.00	0.000013	1274
630224_4277111	630224	4277111	5.7E-05	6.58E-10	1.86E-09	0.00E+00	2.51E-09	0.00	0.000011	1275
630224_4277061	630224	4277061	5.1E-05	5.87E-10	1.66E-09	0.00E+00	2.24E-09	0.00	0.000010	1276
630224_4276911	630224	4276911	3.8E-05	4.40E-10	1.24E-09	0.00E+00	1.68E-09	0.00	0.000008	1277
630174_4277561	630174	4277561	2.2E-04	2.54E-09	7.15E-09	0.00E+00	9.69E-09	0.01	0.000044	1278
630174_4277511	630174	4277511	1.7E-04	2.02E-09	5.69E-09	0.00E+00	7.70E-09	0.01	0.000035	1279
630174_4277461	630174	4277461	1.4E-04	1.64E-09	4.63E-09	0.00E+00	6.28E-09	0.01	0.000029	1280
630174_4277411	630174	4277411	1.2E-04	1.37E-09	3.85E-09	0.00E+00	5.22E-09	0.01	0.000024	1281
630174_4277361	630174	4277361	1.0E-04	1.15E-09	3.26E-09	0.00E+00	4.41E-09	0.00	0.000020	1282
630174_4277311	630174	4277311	8.6E-05	9.91E-10	2.79E-09	0.00E+00	3.78E-09	0.00	0.000017	1283
630174_4277261	630174	4277261	7.5E-05	8.60E-10	2.43E-09	0.00E+00	3.29E-09	0.00	0.000015	1284
630174_4277211	630174	4277211	6.6E-05	7.55E-10	2.13E-09	0.00E+00	2.89E-09	0.00	0.000013	1285
630174_4277161	630174	4277161	5.8E-05	6.69E-10	1.89E-09	0.00E+00	2.56E-09	0.00	0.000012	1286
630174_4277111	630174	4277111	5.2E-05	5.98E-10	1.69E-09	0.00E+00	2.28E-09	0.00	0.000010	1287
630174_4277061	630174	4277061	4.7E-05	5.39E-10	1.52E-09	0.00E+00	2.06E-09	0.00	0.000009	1288
630174_4277011	630174	4277011	4.2E-05	4.87E-10	1.37E-09	0.00E+00	1.86E-09	0.00	0.000008	1289
630174_4276911	630174	4276911	3.5E-05	4.09E-10	1.15E-09	0.00E+00	1.56E-09	0.00	0.000007	1290
630124_4277611	630124	4277611	2.2E-04	2.58E-09	7.27E-09	0.00E+00	9.85E-09	0.01	0.000045	1291
630124_4277561	630124	4277561	1.8E-04	2.05E-09	5.79E-09	0.00E+00	7.84E-09	0.01	0.000036	1292
630124_4277511	630124	4277511	1.4E-04	1.67E-09	4.71E-09	0.00E+00	6.38E-09	0.01	0.000029	1293
630124_4277461	630124	4277461	1.2E-04	1.39E-09	3.92E-09	0.00E+00	5.30E-09	0.01	0.000024	1294
630124_4277411	630124	4277411	1.0E-04	1.17E-09	3.31E-09	0.00E+00	4.48E-09	0.00	0.000020	1295
630124_4277361	630124	4277361	8.7E-05	1.01E-09	2.84E-09	0.00E+00	3.84E-09	0.00	0.000017	1296
630124_4277311	630124	4277311	7.6E-05	8.73E-10	2.46E-09	0.00E+00	3.34E-09	0.00	0.000015	1297
630124_4277261	630124	4277261	6.6E-05	7.66E-10	2.16E-09	0.00E+00	2.93E-09	0.00	0.000013	1298
630124_4277211	630124	4277211	5.9E-05	6.79E-10	1.92E-09	0.00E+00	2.59E-09	0.00	0.000012	1299
630124_4277161	630124	4277161	5.3E-05	6.07E-10	1.71E-09	0.00E+00	2.32E-09	0.00	0.000011	1300
630124_4277111	630124	4277111	4.7E-05	5.46E-10	1.54E-09	0.00E+00	2.09E-09	0.00	0.000009	1301

630124_4277061	630124	4277061	4.3E-05	4.95E-10	1.40E-09	0.00E+00	1.89E-09	0.00	0.000009	1302
630124_4277011	630124	4277011	3.9E-05	4.51E-10	1.27E-09	0.00E+00	1.72E-09	0.00	0.000008	1303
630074_4277611	630074	4277611	1.8E-04	2.09E-09	5.89E-09	0.00E+00	7.98E-09	0.01	0.000036	1304
630074_4277561	630074	4277561	1.5E-04	1.71E-09	4.82E-09	0.00E+00	6.53E-09	0.01	0.000030	1305
630074_4277511	630074	4277511	1.2E-04	1.42E-09	4.00E-09	0.00E+00	5.42E-09	0.01	0.000025	1306
630074_4277461	630074	4277461	1.0E-04	1.20E-09	3.38E-09	0.00E+00	4.58E-09	0.00	0.000021	1307
630074_4277411	630074	4277411	8.9E-05	1.02E-09	2.89E-09	0.00E+00	3.91E-09	0.00	0.000018	1308
630074_4277361	630074	4277361	7.7E-05	8.87E-10	2.50E-09	0.00E+00	3.39E-09	0.00	0.000015	1309
630074_4277311	630074	4277311	6.7E-05	7.78E-10	2.19E-09	0.00E+00	2.97E-09	0.00	0.000013	1310
630074_4277261	630074	4277261	6.0E-05	6.88E-10	1.94E-09	0.00E+00	2.63E-09	0.00	0.000012	1311
630074_4277211	630074	4277211	5.3E-05	6.14E-10	1.73E-09	0.00E+00	2.35E-09	0.00	0.000011	1312
630074_4277161	630074	4277161	4.8E-05	5.53E-10	1.56E-09	0.00E+00	2.11E-09	0.00	0.000010	1313
630074_4277111	630074	4277111	4.3E-05	5.01E-10	1.41E-09	0.00E+00	1.91E-09	0.00	0.000009	1314
630074_4277061	630074	4277061	4.0E-05	4.56E-10	1.29E-09	0.00E+00	1.74E-09	0.00	0.000008	1315
630074_4277011	630074	4277011	3.6E-05	4.18E-10	1.18E-09	0.00E+00	1.60E-09	0.00	0.000007	1316
630024_4277611	630024	4277611	1.5E-04	1.71E-09	4.81E-09	0.00E+00	6.52E-09	0.01	0.000030	1317
630024_4277561	630024	4277561	1.2E-04	1.44E-09	4.06E-09	0.00E+00	5.50E-09	0.01	0.000025	1318
630024_4277511	630024	4277511	1.1E-04	1.22E-09	3.45E-09	0.00E+00	4.68E-09	0.00	0.000021	1319
630024_4277461	630024	4277461	9.1E-05	1.05E-09	2.96E-09	0.00E+00	4.01E-09	0.00	0.000018	1320
630024_4277411	630024	4277411	7.9E-05	9.10E-10	2.57E-09	0.00E+00	3.48E-09	0.00	0.000016	1321
630024_4277361	630024	4277361	6.9E-05	7.97E-10	2.25E-09	0.00E+00	3.04E-09	0.00	0.000014	1322
630024_4277311	630024	4277311	6.1E-05	7.03E-10	1.98E-09	0.00E+00	2.69E-09	0.00	0.000012	1323
630024_4277261	630024	4277261	5.4E-05	6.26E-10	1.77E-09	0.00E+00	2.39E-09	0.00	0.000011	1324
630024_4277211	630024	4277211	4.9E-05	5.61E-10	1.58E-09	0.00E+00	2.14E-09	0.00	0.000010	1325
630024_4277161	630024	4277161	4.4E-05	5.07E-10	1.43E-09	0.00E+00	1.94E-09	0.00	0.000009	1326
630024_4277111	630024	4277111	4.0E-05	4.61E-10	1.30E-09	0.00E+00	1.76E-09	0.00	0.000008	1327
630024_4277061	630024	4277061	3.7E-05	4.22E-10	1.19E-09	0.00E+00	1.61E-09	0.00	0.000007	1328
630024_4277011	630024	4277011	3.4E-05	3.89E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1329
630024_4276961	630024	4276961	3.1E-05	3.60E-10	1.01E-09	0.00E+00	1.37E-09	0.00	0.000006	1330
629974_4277611	629974	4277611	1.2E-04	1.40E-09	3.94E-09	0.00E+00	5.33E-09	0.01	0.000024	1331
629974_4277561	629974	4277561	1.1E-04	1.22E-09	3.44E-09	0.00E+00	4.66E-09	0.00	0.000021	1332
629974_4277511	629974	4277511	9.2E-05	1.06E-09	2.99E-09	0.00E+00	4.05E-09	0.00	0.000018	1333
629974_4277461	629974	4277461	8.0E-05	9.27E-10	2.61E-09	0.00E+00	3.54E-09	0.00	0.000016	1334
629974_4277411	629974	4277411	7.1E-05	8.16E-10	2.30E-09	0.00E+00	3.12E-09	0.00	0.000014	1335
629974_4277361	629974	4277361	6.3E-05	7.22E-10	2.04E-09	0.00E+00	2.76E-09	0.00	0.000013	1336
629974_4277311	629974	4277311	5.6E-05	6.43E-10	1.81E-09	0.00E+00	2.46E-09	0.00	0.000011	1337
629974_4277261	629974	4277261	5.0E-05	5.76E-10	1.63E-09	0.00E+00	2.20E-09	0.00	0.000010	1338
629974_4277211	629974	4277211	4.5E-05	5.20E-10	1.47E-09	0.00E+00	1.98E-09	0.00	0.000009	1339
629974_4277161	629974	4277161	4.1E-05	4.71E-10	1.33E-09	0.00E+00	1.80E-09	0.00	0.000008	1340
629974_4277111	629974	4277111	3.7E-05	4.29E-10	1.21E-09	0.00E+00	1.64E-09	0.00	0.000007	1341
629974_4277061	629974	4277061	3.4E-05	3.94E-10	1.11E-09	0.00E+00	1.51E-09	0.00	0.000007	1342
629974_4277011	629974	4277011	3.2E-05	3.64E-10	1.03E-09	0.00E+00	1.39E-09	0.00	0.000006	1343
629974_4276961	629974	4276961	2.9E-05	3.37E-10	9.50E-10	0.00E+00	1.29E-09	0.00	0.000006	1344
629974_4276911	629974	4276911	2.7E-05	3.14E-10	8.84E-10	0.00E+00	1.20E-09	0.00	0.000005	1345
629924_4277611	629924	4277611	9.9E-05	1.14E-09	3.21E-09	0.00E+00	4.35E-09	0.00	0.000020	1346
629924_4277561	629924	4277561	8.9E-05	1.03E-09	2.91E-09	0.00E+00	3.94E-09	0.00	0.000018	1347
629924_4277511	629924	4277511	8.0E-05	9.20E-10	2.59E-09	0.00E+00	3.51E-09	0.00	0.000016	1348
629924_4277461	629924	4277461	7.1E-05	8.19E-10	2.31E-09	0.00E+00	3.13E-09	0.00	0.000014	1349
629924_4277411	629924	4277411	6.3E-05	7.31E-10	2.06E-09	0.00E+00	2.79E-09	0.00	0.000013	1350
629924_4277361	629924	4277361	5.7E-05	6.56E-10	1.85E-09	0.00E+00	2.51E-09	0.00	0.000011	1351
629924_4277311	629924	4277311	5.1E-05	5.91E-10	1.67E-09	0.00E+00	2.26E-09	0.00	0.000010	1352
629924_4277261	629924	4277261	4.6E-05	5.34E-10	1.51E-09	0.00E+00	2.04E-09	0.00	0.000009	1353
629924_4277211	629924	4277211	4.2E-05	4.85E-10	1.37E-09	0.00E+00	1.85E-09	0.00	0.000008	1354
629924_4277161	629924	4277161	3.8E-05	4.42E-10	1.25E-09	0.00E+00	1.69E-09	0.00	0.000008	1355
629924_4277111	629924	4277111	3.5E-05	4.04E-10	1.14E-09	0.00E+00	1.54E-09	0.00	0.000007	1356
629924_4277061	629924	4277061	3.2E-05	3.71E-10	1.05E-09	0.00E+00	1.42E-09	0.00	0.000006	1357
629924_4277011	629924	4277011	3.0E-05	3.43E-10	9.68E-10	0.00E+00	1.31E-09	0.00	0.000006	1358
629924_4276961	629924	4276961	2.8E-05	3.18E-10	8.96E-10	0.00E+00	1.21E-09	0.00	0.000006	1359
629924_4276911	629924	4276911	2.6E-05	2.97E-10	8.37E-10	0.00E+00	1.13E-09	0.00	0.000005	1360
629874_4277611	629874	4277611	8.1E-05	9.33E-10	2.63E-09	0.00E+00	3.56E-09	0.00	0.000016	1361
629874_4277561	629874	4277561	7.6E-05	8.71E-10	2.46E-09	0.00E+00	3.33E-09	0.00	0.000015	1362
629874_4277511	629874	4277511	6.9E-05	7.98E-10	2.25E-09	0.00E+00	3.05E-09	0.00	0.000014	1363
629874_4277461	629874	4277461	6.3E-05	7.23E-10	2.04E-09	0.00E+00	2.76E-09	0.00	0.000013	1364
629874_4277411	629874	4277411	5.7E-05	6.55E-10	1.85E-09	0.00E+00	2.50E-09	0.00	0.000011	1365
629874_4277361	629874	4277361	5.2E-05	5.94E-10	1.68E-09	0.00E+00	2.27E-09	0.00	0.000010	1366
629874_4277311	629874	4277311	4.7E-05	5.42E-10	1.53E-09	0.00E+00	2.07E-09	0.00	0.000009	1367
629874_4277261	629874	4277261	4.3E-05	4.95E-10	1.40E-09	0.00E+00	1.89E-09	0.00	0.000009	1368
629874_4277211	629874	4277211	3.9E-05	4.53E-10	1.28E-09	0.00E+00	1.73E-09	0.00	0.000008	1369
629874_4277161	629874	4277161	3.6E-05	4.16E-10	1.17E-09	0.00E+00	1.59E-09	0.00	0.000007	1370
629874_4277111	629874	4277111	3.3E-05	3.82E-10	1.08E-09	0.00E+00	1.46E-09	0.00	0.000007	1371
629874_4277061	629874	4277061	3.1E-05	3.53E-10	9.95E-10	0.00E+00	1.35E-09	0.00	0.000006	1372
629874_4277011	629874	4277011	2.8E-05	3.27E-10	9.21E-10	0.00E+00	1.25E-09	0.00	0.000006	1373
629874_4276961	629874	4276961	2.6E-05	3.04E-10	8.56E-10	0.00E+00	1.16E-09	0.00	0.000005	1374
629874_4276911	629874	4276911	2.5E-05	2.83E-10	7.97E-10	0.00E+00	1.08E-09	0.00	0.000005	1375
629824_4277611	629824	4277611	6.6E-05	7.64E-10	2.16E-09	0.00E+00	2.92E-09	0.00	0.000013	1376
629824_4277561	629824	4277561	6.4E-05	7.35E-10	2.07E-09	0.00E+00	2.81E-09	0.00	0.000013	1377
629824_4277511	629824	4277511	6.0E-05	6.91E-10	1.95E-09	0.00E+00	2.64E-09	0.00	0.000012	1378
629824_4277461	629824	4277461	5.5E-05	6.37E-10	1.80E-09	0.00E+00	2.44E-09	0.00	0.000011	1379
629824_4277411	629824	4277411	5.1E-05	5.85E-10	1.65E-09	0.00E+00	2.24E-09	0.00	0.000010	1380
629824_4277361	629824	4277361	4.7E-05	5.36E-10	1.51E-09	0.00E+00	2.05E-09	0.00	0.000009	1381
629824_4277311	629824	4277311	4.3E-05	4.94E-10	1.39E-09	0.00E+00	1.89E-09	0.00	0.000009	1382
629824_4277261	629824	4277261	4.0E-05	4.55E-10	1.28E-09	0.00E+00	1.74E-09	0.00	0.000008	1383
629824_4277211	629824	4277211	3.7E-05	4.21E-10	1.19E-09	0.00E+00	1.61E-09	0.00	0.000007	1384
629824_4277161	629824	4277161	3.4E-05	3.90E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1385
629824_4277111	629824	4277111	3.1E-05	3.61E-10	1.02E-09	0.00E+00	1.38E-09	0.00	0.000006	1386
629824_4277061	629824	4277061	2.9E-05	3.35E-10	9.44E-10	0.00E+00	1.28E-09	0.00	0.000006	1387
629824_4277011	629824	4277011	2.7E-05	3.12E-10	8.80E-10	0.00E+00	1.19E-09	0.00	0.000005	1388
629824_4276961	629824	4276961	2.5E-05	2.91E-10	8.21E-10	0.00E+00	1.11E-09	0.00	0.000005	1389
629824_4276911	629824	4276911	2.4E-05	2.72E-10	7.67E-10	0.00E+00	1.04E-09	0.00	0.000005	1390
629774_4277611	629774	4277611	5.5E-05	6.34E-10	1.79E-09	0.00E+00	2.42E-09	0.00	0.000011	1391
629774_4277561	629774	4277561	5.4E-05	6.23E-10	1.76E-09	0.00E+00	2.38E-09	0.00	0.000011	1392
629774_4277511	629774	4277511	5.2E-05	5.99E-10	1.69E-09	0.00E+00	2.29E-09	0.00	0.000010	1393
629774_4277461	629774	4277461	4.9E-05	5.64E-10	1.59E-09	0.00E+00	2.15E-09	0.00	0.000010	1394
629774_4277411	629774	4277411	4.6E-05	5.25E-10	1.48E-09	0.00E+00	2.01E-09	0.00	0.000009	1395
629774_4277361	629774	4277361	4.2E-05	4.87E-10	1.37E-09	0.00E+00	1.86E-09	0.00	0.000008	1396
629774_4277311	629774	4277311	3.9E-05	4.51E-10	1.27E-09	0.00E+00	1.72E-09	0.00	0.000008	1397
629774_4277261	629774	4277261	3.6E-05	4.20E-10	1.18E-09	0.00E+00	1.60E-09	0.00	0.000007	1398
629774_4277211	629774	4277211	3.4E-05	3.91E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1399
629774_4277161	629774	4277161	3.2E-05	3.65E-10	1.03E-09	0.00E+00	1.40E-09	0.00	0.000006	1400
629774_4277111	629774	4277111	3.0E-05	3.41E-10	9.63E-10	0.00E+00	1.30E-09	0.00	0.000006	1401
629774_4277061	629774	4277061	2.8E-05	3.18E-10	8.97E-10	0.00E+00	1.21E-09	0.00	0.000006	1402
629774_4277011	629774	4277011	2.6E-05	2.97E-10	8.38E-10	0.00E+00	1.14E-09	0.00	0.000005	1403
629774_4276961	629774	4276961	2.4E-05	2.78E-10	7.85E-10	0.00E+00	1.06E-09	0.00	0.000005	1404
629774_4276911	629774	4276911	2.3E-05	2.62E-10	7.39E-10	0.00E+00	1.00E-09	0.00	0.000005	1405
629724_4277611	629724	4277611	4.6E-05	5.33E-10	1.50E-09	0.00E+00	2.03E-09	0.00	0.000009	1406
629724_4277561	629724	4277561	4.6E-05	5.31E-10	1.50E-09	0.00E+00	2.03E-09	0.00	0.000009	1407
629724_4277511	629724	4277511	4.5E-05	5.21E-10	1.47E-09	0.00E+00	1.99E-09	0.00	0.000009	1408
629724_4277461	629724	4277461	4.3E-05	5.00E-10	1.41E-09	0.00E+00	1.91E-09	0.00	0.000009	1409
629724_4277411	629724	4277411	4.1E-05	4.74E-10	1.34E-09	0.00E+00	1.81E-09	0.00	0.000008	1410
629724_4277361	629724	4277361	3.9E-05	4.44E-10	1.25E-09	0.00E+00	1.70E-09	0.00	0.000008	1411
629724_4277311	629724	4277311	3.6E-05	4.15E-10	1.17E-09	0.00E+00	1.58E-09	0.00	0.000007	1412
629724_4277261	629724	4277261	3.4E-05	3.88E-10	1.09E-09	0.00E+00	1.48E-09	0.00	0.000007	1413
629724_4277211	629724	4277211	3.2E-05	3.63E-10	1.02E-09	0.00E+00	1.39E-09	0.00	0.000006	1414
629724_4277161	629724	4277161	3.0E-05	3.41E-10	9.62E-10	0.00E+00	1.30E-09	0.00	0.000006	1415
629724_4277111	629724	4277111	2.8E-05	3.21E-10	9.05E-10	0.00E+00	1.23E-09	0.00	0.000006	1416
629724_4277061	629724	4277061	2.6E-05	3.02E-10	8.52E-10	0.00E+00	1.15E-09	0.00	0.000005	1417
629724_4277011	629724	4277011	2.5E-05	2.84E-10	8.00E-10	0.00E+00	1.08E-09	0.00	0.000005	1418
629724_4276961	629724	4276961	2.3E-05	2.67E-10	7.52E-10	0.00E+00	1.02E-09	0.00	0.000005	1419
629724_4276911	629724	4276911	2.2E-05	2.52E-10	7.10E-10	0.00E+00	9.61E-10	0.00	0.000004	1420
629674_4277611	629674	4277611	3.9E-05	4.52E-10	1.27E-09	0.00E+00	1.73E-09	0.00	0.000008	1421
629674_4277561	629674	4277561	3.9E-05	4.54E-10	1.28E-09	0.00E+00	1.73E-09	0.00	0.000008	1422
629674_4277511	629674	4277511	3.9E-05	4.52E-10	1.27E-09	0.00E+00	1.73E-09	0.00	0.000008	1423

629674_4277461	629674	4277461	3.8E-05	4.42E-10	1.25E-09	0.00E+00	1.69E-09	0.00	0.000008	1424
629674_4277411	629674	4277411	3.7E-05	4.25E-10	1.20E-09	0.00E+00	1.62E-09	0.00	0.000007	1425
629674_4277361	629674	4277361	3.5E-05	4.04E-10	1.14E-09	0.00E+00	1.54E-09	0.00	0.000007	1426
629674_4277311	629674	4277311	3.3E-05	3.80E-10	1.07E-09	0.00E+00	1.45E-09	0.00	0.000007	1427
629674_4277261	629674	4277261	3.1E-05	3.58E-10	1.01E-09	0.00E+00	1.37E-09	0.00	0.000006	1428
629674_4277211	629674	4277211	2.9E-05	3.37E-10	9.49E-10	0.00E+00	1.29E-09	0.00	0.000006	1429
629674_4277161	629674	4277161	2.8E-05	3.18E-10	8.96E-10	0.00E+00	1.21E-09	0.00	0.000006	1430
629674_4277111	629674	4277111	2.6E-05	3.01E-10	8.48E-10	0.00E+00	1.15E-09	0.00	0.000005	1431
629674_4277061	629674	4277061	2.5E-05	2.85E-10	8.03E-10	0.00E+00	1.09E-09	0.00	0.000005	1432
629674_4277011	629674	4277011	2.3E-05	2.69E-10	7.60E-10	0.00E+00	1.03E-09	0.00	0.000005	1433
629674_4276961	629674	4276961	2.2E-05	2.55E-10	7.18E-10	0.00E+00	9.72E-10	0.00	0.000004	1434
629674_4276911	629674	4276911	2.1E-05	2.41E-10	6.80E-10	0.00E+00	9.21E-10	0.00	0.000004	1435
629624_4277611	629624	4277611	3.4E-05	3.90E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1436
629624_4277561	629624	4277561	3.4E-05	3.92E-10	1.11E-09	0.00E+00	1.50E-09	0.00	0.000007	1437
629624_4277511	629624	4277511	3.4E-05	3.94E-10	1.11E-09	0.00E+00	1.50E-09	0.00	0.000007	1438
629624_4277461	629624	4277461	3.4E-05	3.91E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1439
629624_4277411	629624	4277411	3.3E-05	3.83E-10	1.08E-09	0.00E+00	1.46E-09	0.00	0.000007	1440
629624_4277361	629624	4277361	3.2E-05	3.68E-10	1.04E-09	0.00E+00	1.41E-09	0.00	0.000006	1441
629624_4277311	629624	4277311	3.0E-05	3.51E-10	9.89E-10	0.00E+00	1.34E-09	0.00	0.000006	1442
629624_4277261	629624	4277261	2.9E-05	3.32E-10	9.37E-10	0.00E+00	1.27E-09	0.00	0.000006	1443
629624_4277211	629624	4277211	2.7E-05	3.14E-10	8.84E-10	0.00E+00	1.20E-09	0.00	0.000005	1444
629624_4277161	629624	4277161	2.6E-05	2.97E-10	8.37E-10	0.00E+00	1.13E-09	0.00	0.000005	1445
629624_4277111	629624	4277111	2.4E-05	2.82E-10	7.95E-10	0.00E+00	1.08E-09	0.00	0.000005	1446
629624_4277061	629624	4277061	2.3E-05	2.68E-10	7.56E-10	0.00E+00	1.02E-09	0.00	0.000005	1447
629624_4277011	629624	4277011	2.2E-05	2.55E-10	7.19E-10	0.00E+00	9.74E-10	0.00	0.000004	1448
629624_4276961	629624	4276961	2.1E-05	2.42E-10	6.83E-10	0.00E+00	9.25E-10	0.00	0.000004	1449
629624_4276911	629624	4276911	2.0E-05	2.31E-10	6.50E-10	0.00E+00	8.81E-10	0.00	0.000004	1450
629574_4277611	629574	4277611	2.9E-05	3.40E-10	9.59E-10	0.00E+00	1.30E-09	0.00	0.000006	1451
629574_4277561	629574	4277561	3.0E-05	3.42E-10	9.65E-10	0.00E+00	1.31E-09	0.00	0.000006	1452
629574_4277511	629574	4277511	3.0E-05	3.46E-10	9.75E-10	0.00E+00	1.32E-09	0.00	0.000006	1453
629574_4277461	629574	4277461	3.0E-05	3.47E-10	9.78E-10	0.00E+00	1.32E-09	0.00	0.000006	1454
629574_4277411	629574	4277411	3.0E-05	3.43E-10	9.68E-10	0.00E+00	1.31E-09	0.00	0.000006	1455
629574_4277361	629574	4277361	2.9E-05	3.34E-10	9.43E-10	0.00E+00	1.28E-09	0.00	0.000006	1456
629574_4277311	629574	4277311	2.8E-05	3.22E-10	9.09E-10	0.00E+00	1.23E-09	0.00	0.000006	1457
629574_4277261	629574	4277261	2.7E-05	3.08E-10	8.68E-10	0.00E+00	1.18E-09	0.00	0.000005	1458
629574_4277211	629574	4277211	2.5E-05	2.92E-10	8.24E-10	0.00E+00	1.12E-09	0.00	0.000005	1459
629574_4277161	629574	4277161	2.4E-05	2.78E-10	7.84E-10	0.00E+00	1.06E-09	0.00	0.000005	1460
629574_4277111	629574	4277111	2.3E-05	2.65E-10	7.46E-10	0.00E+00	1.01E-09	0.00	0.000005	1461
629574_4277061	629574	4277061	2.2E-05	2.52E-10	7.11E-10	0.00E+00	9.63E-10	0.00	0.000004	1462
629574_4277011	629574	4277011	2.1E-05	2.41E-10	6.79E-10	0.00E+00	9.19E-10	0.00	0.000004	1463
629574_4276961	629574	4276961	2.0E-05	2.30E-10	6.48E-10	0.00E+00	8.78E-10	0.00	0.000004	1464
629574_4276911	629574	4276911	1.9E-05	2.19E-10	6.19E-10	0.00E+00	8.39E-10	0.00	0.000004	1465
629524_4277611	629524	4277611	2.6E-05	3.01E-10	8.49E-10	0.00E+00	1.15E-09	0.00	0.000005	1466
629524_4277561	629524	4277561	2.6E-05	3.01E-10	8.50E-10	0.00E+00	1.15E-09	0.00	0.000005	1467
629524_4277511	629524	4277511	2.6E-05	3.05E-10	8.60E-10	0.00E+00	1.16E-09	0.00	0.000005	1468
629524_4277461	629524	4277461	2.7E-05	3.07E-10	8.67E-10	0.00E+00	1.17E-09	0.00	0.000005	1469
629524_4277411	629524	4277411	2.7E-05	3.07E-10	8.67E-10	0.00E+00	1.17E-09	0.00	0.000005	1470
629524_4277361	629524	4277361	2.6E-05	3.04E-10	8.57E-10	0.00E+00	1.16E-09	0.00	0.000005	1471
629524_4277311	629524	4277311	2.6E-05	2.96E-10	8.35E-10	0.00E+00	1.13E-09	0.00	0.000005	1472
629524_4277261	629524	4277261	2.5E-05	2.86E-10	8.06E-10	0.00E+00	1.09E-09	0.00	0.000005	1473
629524_4277211	629524	4277211	2.4E-05	2.74E-10	7.71E-10	0.00E+00	1.05E-09	0.00	0.000005	1474
629524_4277161	629524	4277161	2.3E-05	2.61E-10	7.37E-10	0.00E+00	9.98E-10	0.00	0.000005	1475
629524_4277111	629524	4277111	2.2E-05	2.49E-10	7.03E-10	0.00E+00	9.52E-10	0.00	0.000004	1476
629524_4277061	629524	4277061	2.1E-05	2.38E-10	6.71E-10	0.00E+00	9.08E-10	0.00	0.000004	1477
629524_4277011	629524	4277011	2.0E-05	2.27E-10	6.42E-10	0.00E+00	8.69E-10	0.00	0.000004	1478
629524_4276961	629524	4276961	1.9E-05	2.18E-10	6.14E-10	0.00E+00	8.32E-10	0.00	0.000004	1479
629524_4276911	629524	4276911	1.8E-05	2.09E-10	5.88E-10	0.00E+00	7.97E-10	0.00	0.000004	1480
629474_4277611	629474	4277611	2.3E-05	2.69E-10	7.59E-10	0.00E+00	1.03E-09	0.00	0.000005	1481
629474_4277561	629474	4277561	2.3E-05	2.68E-10	7.57E-10	0.00E+00	1.03E-09	0.00	0.000005	1482
629474_4277511	629474	4277511	2.3E-05	2.71E-10	7.64E-10	0.00E+00	1.03E-09	0.00	0.000005	1483
629474_4277461	629474	4277461	2.4E-05	2.75E-10	7.74E-10	0.00E+00	1.05E-09	0.00	0.000005	1484
629474_4277411	629474	4277411	2.4E-05	2.76E-10	7.80E-10	0.00E+00	1.06E-09	0.00	0.000005	1485
629474_4277361	629474	4277361	2.4E-05	2.76E-10	7.78E-10	0.00E+00	1.05E-09	0.00	0.000005	1486
629474_4277311	629474	4277311	2.4E-05	2.72E-10	7.66E-10	0.00E+00	1.04E-09	0.00	0.000005	1487
629474_4277261	629474	4277261	2.3E-05	2.65E-10	7.47E-10	0.00E+00	1.01E-09	0.00	0.000005	1488
629474_4277211	629474	4277211	2.2E-05	2.56E-10	7.21E-10	0.00E+00	9.77E-10	0.00	0.000004	1489
629474_4277161	629474	4277161	2.1E-05	2.46E-10	6.93E-10	0.00E+00	9.38E-10	0.00	0.000004	1490
629474_4277111	629474	4277111	2.0E-05	2.35E-10	6.63E-10	0.00E+00	8.98E-10	0.00	0.000004	1491
629474_4277061	629474	4277061	2.0E-05	2.25E-10	6.34E-10	0.00E+00	8.59E-10	0.00	0.000004	1492
629474_4277011	629474	4277011	1.9E-05	2.15E-10	6.08E-10	0.00E+00	8.23E-10	0.00	0.000004	1493
629474_4276961	629474	4276961	1.8E-05	2.07E-10	5.83E-10	0.00E+00	7.90E-10	0.00	0.000004	1494
629474_4276911	629474	4276911	1.7E-05	1.99E-10	5.60E-10	0.00E+00	7.59E-10	0.00	0.000003	1495
629424_4277611	629424	4277611	2.1E-05	2.43E-10	6.84E-10	0.00E+00	9.27E-10	0.00	0.000004	1496
629424_4277561	629424	4277561	2.1E-05	2.41E-10	6.81E-10	0.00E+00	9.22E-10	0.00	0.000004	1497
629424_4277511	629424	4277511	2.1E-05	2.43E-10	6.85E-10	0.00E+00	9.28E-10	0.00	0.000004	1498
629424_4277461	629424	4277461	2.1E-05	2.46E-10	6.94E-10	0.00E+00	9.40E-10	0.00	0.000004	1499
629424_4277411	629424	4277411	2.2E-05	2.49E-10	7.02E-10	0.00E+00	9.52E-10	0.00	0.000004	1500
629424_4277361	629424	4277361	2.2E-05	2.50E-10	7.06E-10	0.00E+00	9.57E-10	0.00	0.000004	1501
629424_4277311	629424	4277311	2.2E-05	2.49E-10	7.03E-10	0.00E+00	9.52E-10	0.00	0.000004	1502
629424_4277261	629424	4277261	2.1E-05	2.45E-10	6.92E-10	0.00E+00	9.37E-10	0.00	0.000004	1503
629424_4277211	629424	4277211	2.1E-05	2.39E-10	6.74E-10	0.00E+00	9.13E-10	0.00	0.000004	1504
629424_4277161	629424	4277161	2.0E-05	2.31E-10	6.51E-10	0.00E+00	8.82E-10	0.00	0.000004	1505
629424_4277111	629424	4277111	1.9E-05	2.22E-10	6.27E-10	0.00E+00	8.49E-10	0.00	0.000004	1506
629424_4277061	629424	4277061	1.8E-05	2.13E-10	6.01E-10	0.00E+00	8.14E-10	0.00	0.000004	1507
629424_4277011	629424	4277011	1.8E-05	2.04E-10	5.76E-10	0.00E+00	7.81E-10	0.00	0.000004	1508
629424_4276961	629424	4276961	1.7E-05	1.97E-10	5.54E-10	0.00E+00	7.51E-10	0.00	0.000003	1509
629424_4276911	629424	4276911	1.6E-05	1.89E-10	5.34E-10	0.00E+00	7.23E-10	0.00	0.000003	1510
629374_4277611	629374	4277611	1.9E-05	2.21E-10	6.23E-10	0.00E+00	8.44E-10	0.00	0.000004	1511
629374_4277561	629374	4277561	1.9E-05	2.19E-10	6.16E-10	0.00E+00	8.35E-10	0.00	0.000004	1512
629374_4277511	629374	4277511	1.9E-05	2.19E-10	6.18E-10	0.00E+00	8.38E-10	0.00	0.000004	1513
629374_4277461	629374	4277461	1.9E-05	2.22E-10	6.26E-10	0.00E+00	8.48E-10	0.00	0.000004	1514
629374_4277411	629374	4277411	2.0E-05	2.25E-10	6.36E-10	0.00E+00	8.61E-10	0.00	0.000004	1515
629374_4277361	629374	4277361	2.0E-05	2.28E-10	6.43E-10	0.00E+00	8.71E-10	0.00	0.000004	1516
629374_4277311	629374	4277311	2.0E-05	2.28E-10	6.44E-10	0.00E+00	8.72E-10	0.00	0.000004	1517
629374_4277261	629374	4277261	2.0E-05	2.27E-10	6.40E-10	0.00E+00	8.67E-10	0.00	0.000004	1518
629374_4277211	629374	4277211	1.9E-05	2.23E-10	6.29E-10	0.00E+00	8.51E-10	0.00	0.000004	1519
629374_4277161	629374	4277161	1.9E-05	2.17E-10	6.12E-10	0.00E+00	8.30E-10	0.00	0.000004	1520
629374_4277111	629374	4277111	1.8E-05	2.10E-10	5.92E-10	0.00E+00	8.02E-10	0.00	0.000004	1521
629374_4277061	629374	4277061	1.8E-05	2.02E-10	5.71E-10	0.00E+00	7.73E-10	0.00	0.000004	1522
629374_4277011	629374	4277011	1.7E-05	1.95E-10	5.49E-10	0.00E+00	7.44E-10	0.00	0.000003	1523
629374_4276961	629374	4276961	1.6E-05	1.87E-10	5.28E-10	0.00E+00	7.16E-10	0.00	0.000003	1524
629374_4276911	629374	4276911	1.6E-05	1.80E-10	5.09E-10	0.00E+00	6.89E-10	0.00	0.000003	1525
629324_4277611	629324	4277611	1.8E-05	2.02E-10	5.71E-10	0.00E+00	7.73E-10	0.00	0.000004	1526
629324_4277561	629324	4277561	1.7E-05	1.99E-10	5.62E-10	0.00E+00	7.62E-10	0.00	0.000003	1527
629324_4277511	629324	4277511	1.7E-05	1.99E-10	5.62E-10	0.00E+00	7.61E-10	0.00	0.000003	1528
629324_4277461	629324	4277461	1.7E-05	2.01E-10	5.68E-10	0.00E+00	7.69E-10	0.00	0.000003	1529
629324_4277411	629324	4277411	1.8E-05	2.05E-10	5.77E-10	0.00E+00	7.82E-10	0.00	0.000004	1530
629324_4277361	629324	4277361	1.8E-05	2.08E-10	5.86E-10	0.00E+00	7.93E-10	0.00	0.000004	1531
629324_4277311	629324	4277311	1.8E-05	2.09E-10	5.91E-10	0.00E+00	8.00E-10	0.00	0.000004	1532
629324_4277261	629324	4277261	1.8E-05	2.10E-10	5.91E-10	0.00E+00	8.00E-10	0.00	0.000004	1533
629324_4277211	629324	4277211	1.8E-05	2.08E-10	5.86E-10	0.00E+00	7.93E-10	0.00	0.000004	1534
629324_4277161	629324	4277161	1.8E-05	2.04E-10	5.75E-10	0.00E+00	7.79E-10	0.00	0.000004	1535
629324_4277111	629324	4277111	1.7E-05	1.99E-10	5.60E-10	0.00E+00	7.59E-10	0.00	0.000003	1536
629324_4277061	629324	4277061	1.7E-05	1.92E-10	5.43E-10	0.00E+00	7.35E-10	0.00	0.000003	1537
629324_4277011	629324	4277011	1.6E-05	1.86E-10	5.24E-10	0.00E+00	7.09E-10	0.00	0.000003	1538
629324_4276961	629324	4276961	1.6E-05	1.79E-10	5.05E-10	0.00E+00	6.84E-10	0.00	0.000003	1539
629324_4276911	629324	4276911	1.5E-05	1.73E-10	4.87E-10	0.00E+00	6.59E-10	0.00	0.000003	1540
629274_4277611	629274	4277611	1.6E-05	1.87E-10	5.27E-10	0.00E+00	7.14E-10	0.00	0.000003	1541
629274_4277561	629274	4277561	1.6E-05	1.84E-10	5.18E-10	0.00E+00	7.01E-10	0.00	0.000003	1542
629274_4277511	629274	4277511	1.6E-05	1.83E-10	5.15E-10	0.00E+00	6.98E-10	0.00	0.000003	1543
629274_4277461	629274	4277461	1.6E-05	1.84E-10	5.19E-10	0.00E+00	7.03E-10	0.00	0.000003	1544
629274_4277411	629274	4277411	1.6E-05	1.87E-10	5.27E-10	0.00E+00	7.13E-10	0.00	0.000003	1545

629274_4277361	629274	4277361	1.6E-05	1.90E-10	5.35E-10	0.00E+00	7.25E-10	0.00	0.000003	1546
629274_4277311	629274	4277311	1.7E-05	1.92E-10	5.42E-10	0.00E+00	7.35E-10	0.00	0.000003	1547
629274_4277261	629274	4277261	1.7E-05	1.94E-10	5.46E-10	0.00E+00	7.40E-10	0.00	0.000003	1548
629274_4277211	629274	4277211	1.7E-05	1.93E-10	5.46E-10	0.00E+00	7.39E-10	0.00	0.000003	1549
629274_4277161	629274	4277161	1.7E-05	1.91E-10	5.40E-10	0.00E+00	7.31E-10	0.00	0.000003	1550
629274_4277111	629274	4277111	1.6E-05	1.88E-10	5.30E-10	0.00E+00	7.17E-10	0.00	0.000003	1551
629274_4277061	629274	4277061	1.6E-05	1.83E-10	5.16E-10	0.00E+00	6.99E-10	0.00	0.000003	1552
629274_4277011	629274	4277011	1.5E-05	1.77E-10	5.00E-10	0.00E+00	6.77E-10	0.00	0.000003	1553
629274_4276961	629274	4276961	1.5E-05	1.72E-10	4.84E-10	0.00E+00	6.55E-10	0.00	0.000003	1554
629274_4276911	629274	4276911	1.4E-05	1.65E-10	4.67E-10	0.00E+00	6.32E-10	0.00	0.000003	1555
629974_4277661	629974	4277661	1.4E-04	1.57E-09	4.42E-09	0.00E+00	5.99E-09	0.01	0.000027	1556
629974_4277711	629974	4277711	1.5E-04	1.70E-09	4.79E-09	0.00E+00	6.49E-09	0.01	0.000029	1557
629974_4277811	629974	4277811	1.6E-04	1.82E-09	5.13E-09	0.00E+00	6.95E-09	0.01	0.000032	1558
629974_4277861	629974	4277861	1.6E-04	1.86E-09	5.25E-09	0.00E+00	7.11E-09	0.01	0.000032	1559
629974_4277911	629974	4277911	1.6E-04	1.80E-09	5.08E-09	0.00E+00	6.88E-09	0.01	0.000031	1560
629974_4277961	629974	4277961	1.5E-04	1.72E-09	4.84E-09	0.00E+00	6.55E-09	0.01	0.000030	1561
629974_4278011	629974	4278011	1.5E-04	1.70E-09	4.80E-09	0.00E+00	6.50E-09	0.01	0.000030	1562
629974_4278061	629974	4278061	1.5E-04	1.77E-09	5.00E-09	0.00E+00	6.77E-09	0.01	0.000031	1563
629974_4278111	629974	4278111	1.6E-04	1.88E-09	5.29E-09	0.00E+00	7.17E-09	0.01	0.000033	1564
629974_4278161	629974	4278161	1.7E-04	1.97E-09	5.55E-09	0.00E+00	7.52E-09	0.01	0.000034	1565
629974_4278211	629974	4278211	1.8E-04	2.03E-09	5.72E-09	0.00E+00	7.75E-09	0.01	0.000035	1566
629974_4278261	629974	4278261	1.8E-04	2.05E-09	5.78E-09	0.00E+00	7.83E-09	0.01	0.000036	1567
629974_4278311	629974	4278311	1.7E-04	2.01E-09	5.68E-09	0.00E+00	7.69E-09	0.01	0.000035	1568
629974_4278361	629974	4278361	1.7E-04	1.93E-09	5.45E-09	0.00E+00	7.39E-09	0.01	0.000034	1569
629974_4278411	629974	4278411	1.6E-04	1.83E-09	5.15E-09	0.00E+00	6.98E-09	0.01	0.000032	1570
629974_4278461	629974	4278461	1.5E-04	1.70E-09	4.81E-09	0.00E+00	6.51E-09	0.01	0.000030	1571
629974_4278511	629974	4278511	1.4E-04	1.58E-09	4.45E-09	0.00E+00	6.03E-09	0.01	0.000027	1572
629974_4278561	629974	4278561	1.3E-04	1.45E-09	4.10E-09	0.00E+00	5.56E-09	0.01	0.000025	1573
629974_4278611	629974	4278611	1.2E-04	1.34E-09	3.77E-09	0.00E+00	5.10E-09	0.01	0.000023	1574
629974_4278711	629974	4278711	9.8E-05	1.13E-09	3.18E-09	0.00E+00	4.30E-09	0.00	0.000020	1575
629974_4278761	629974	4278761	9.0E-05	1.04E-09	2.92E-09	0.00E+00	3.96E-09	0.00	0.000018	1576
629974_4278811	629974	4278811	8.3E-05	9.55E-10	2.69E-09	0.00E+00	3.65E-09	0.00	0.000017	1577
629974_4278861	629974	4278861	7.6E-05	8.82E-10	2.49E-09	0.00E+00	3.37E-09	0.00	0.000015	1578
629974_4278911	629974	4278911	7.1E-05	8.15E-10	2.30E-09	0.00E+00	3.11E-09	0.00	0.000014	1579
629924_4277661	629924	4277661	1.1E-04	1.23E-09	3.46E-09	0.00E+00	4.69E-09	0.00	0.000021	1580
629924_4277711	629924	4277711	1.1E-04	1.28E-09	3.61E-09	0.00E+00	4.89E-09	0.00	0.000022	1581
629924_4277761	629924	4277761	1.1E-04	1.31E-09	3.70E-09	0.00E+00	5.02E-09	0.01	0.000023	1582
629924_4277861	629924	4277861	1.2E-04	1.36E-09	3.85E-09	0.00E+00	5.21E-09	0.01	0.000024	1583
629924_4277911	629924	4277911	1.1E-04	1.32E-09	3.71E-09	0.00E+00	5.03E-09	0.01	0.000023	1584
629924_4277961	629924	4277961	1.1E-04	1.24E-09	3.50E-09	0.00E+00	4.75E-09	0.00	0.000022	1585
629924_4278011	629924	4278011	1.1E-04	1.21E-09	3.42E-09	0.00E+00	4.64E-09	0.00	0.000021	1586
629924_4278061	629924	4278061	1.1E-04	1.24E-09	3.51E-09	0.00E+00	4.75E-09	0.00	0.000022	1587
629924_4278111	629924	4278111	1.1E-04	1.30E-09	3.67E-09	0.00E+00	4.98E-09	0.00	0.000023	1588
629924_4278161	629924	4278161	1.2E-04	1.37E-09	3.86E-09	0.00E+00	5.23E-09	0.01	0.000024	1589
629924_4278211	629924	4278211	1.2E-04	1.43E-09	4.02E-09	0.00E+00	5.45E-09	0.01	0.000025	1590
629924_4278261	629924	4278261	1.3E-04	1.47E-09	4.14E-09	0.00E+00	5.60E-09	0.01	0.000025	1591
629924_4278311	629924	4278311	1.3E-04	1.48E-09	4.19E-09	0.00E+00	5.67E-09	0.01	0.000026	1592
629924_4278361	629924	4278361	1.3E-04	1.47E-09	4.15E-09	0.00E+00	5.63E-09	0.01	0.000026	1593
629924_4278411	629924	4278411	1.2E-04	1.44E-09	4.05E-09	0.00E+00	5.49E-09	0.01	0.000025	1594
629924_4278461	629924	4278461	1.2E-04	1.38E-09	3.89E-09	0.00E+00	5.27E-09	0.01	0.000024	1595
629924_4278511	629924	4278511	1.1E-04	1.31E-09	3.70E-09	0.00E+00	5.01E-09	0.01	0.000023	1596
629924_4278561	629924	4278561	1.1E-04	1.24E-09	3.49E-09	0.00E+00	4.73E-09	0.00	0.000021	1597
629924_4278611	629924	4278611	1.0E-04	1.16E-09	3.27E-09	0.00E+00	4.43E-09	0.00	0.000020	1598
629924_4278711	629924	4278711	8.7E-05	1.01E-09	2.84E-09	0.00E+00	3.85E-09	0.00	0.000017	1599
629924_4278761	629924	4278761	8.1E-05	9.37E-10	2.64E-09	0.00E+00	3.58E-09	0.00	0.000016	1600
629924_4278811	629924	4278811	7.6E-05	8.72E-10	2.46E-09	0.00E+00	3.33E-09	0.00	0.000015	1601
629924_4278861	629924	4278861	7.0E-05	8.12E-10	2.29E-09	0.00E+00	3.10E-09	0.00	0.000014	1602
629924_4278911	629924	4278911	6.6E-05	7.57E-10	2.14E-09	0.00E+00	2.89E-09	0.00	0.000013	1603
629874_4277661	629874	4277661	8.4E-05	9.71E-10	2.74E-09	0.00E+00	3.71E-09	0.00	0.000017	1604
629874_4277711	629874	4277711	8.6E-05	9.90E-10	2.79E-09	0.00E+00	3.78E-09	0.00	0.000017	1605
629874_4277761	629874	4277761	8.8E-05	1.01E-09	2.84E-09	0.00E+00	3.85E-09	0.00	0.000018	1606
629874_4277811	629874	4277811	9.0E-05	1.03E-09	2.91E-09	0.00E+00	3.95E-09	0.00	0.000018	1607
629874_4277961	629874	4277961	8.2E-05	9.46E-10	2.67E-09	0.00E+00	3.62E-09	0.00	0.000016	1608
629874_4278011	629874	4278011	7.9E-05	9.15E-10	2.58E-09	0.00E+00	3.49E-09	0.00	0.000016	1609
629874_4278061	629874	4278061	8.0E-05	9.25E-10	2.61E-09	0.00E+00	3.53E-09	0.00	0.000016	1610
629874_4278111	629874	4278111	8.3E-05	9.58E-10	2.70E-09	0.00E+00	3.66E-09	0.00	0.000017	1611
629874_4278161	629874	4278161	8.7E-05	1.00E-09	2.83E-09	0.00E+00	3.83E-09	0.00	0.000017	1612
629874_4278211	629874	4278211	9.1E-05	1.05E-09	2.95E-09	0.00E+00	3.99E-09	0.00	0.000018	1613
629874_4278261	629874	4278261	9.4E-05	1.08E-09	3.05E-09	0.00E+00	4.13E-09	0.00	0.000019	1614
629874_4278311	629874	4278311	9.6E-05	1.11E-09	3.13E-09	0.00E+00	4.23E-09	0.00	0.000019	1615
629874_4278361	629874	4278361	9.7E-05	1.12E-09	3.17E-09	0.00E+00	4.29E-09	0.00	0.000019	1616
629874_4278411	629874	4278411	9.7E-05	1.12E-09	3.16E-09	0.00E+00	4.28E-09	0.00	0.000019	1617
629874_4278461	629874	4278461	9.6E-05	1.11E-09	3.12E-09	0.00E+00	4.23E-09	0.00	0.000019	1618
629874_4278511	629874	4278511	9.3E-05	1.08E-09	3.04E-09	0.00E+00	4.12E-09	0.00	0.000019	1619
629874_4278561	629874	4278561	9.0E-05	1.04E-09	2.93E-09	0.00E+00	3.97E-09	0.00	0.000018	1620
629874_4278611	629874	4278611	8.6E-05	9.90E-10	2.79E-09	0.00E+00	3.78E-09	0.00	0.000017	1621
629874_4278711	629874	4278711	7.7E-05	8.90E-10	2.51E-09	0.00E+00	3.40E-09	0.00	0.000015	1622
629874_4278761	629874	4278761	7.3E-05	8.39E-10	2.37E-09	0.00E+00	3.21E-09	0.00	0.000015	1623
629874_4278811	629874	4278811	6.9E-05	7.90E-10	2.23E-09	0.00E+00	3.02E-09	0.00	0.000014	1624
629874_4278861	629874	4278861	6.4E-05	7.42E-10	2.09E-09	0.00E+00	2.84E-09	0.00	0.000013	1625
629874_4278911	629874	4278911	6.1E-05	6.98E-10	1.97E-09	0.00E+00	2.67E-09	0.00	0.000012	1626
629824_4277661	629824	4277661	6.7E-05	7.77E-10	2.19E-09	0.00E+00	2.97E-09	0.00	0.000013	1627
629824_4277711	629824	4277711	6.8E-05	7.84E-10	2.21E-09	0.00E+00	3.00E-09	0.00	0.000014	1628
629824_4277761	629824	4277761	7.0E-05	8.04E-10	2.27E-09	0.00E+00	3.07E-09	0.00	0.000014	1629
629824_4277811	629824	4277811	7.2E-05	8.24E-10	2.32E-09	0.00E+00	3.15E-09	0.00	0.000014	1630
629824_4277861	629824	4277861	7.2E-05	8.26E-10	2.33E-09	0.00E+00	3.15E-09	0.00	0.000014	1631
629824_4277911	629824	4277911	6.9E-05	7.95E-10	2.24E-09	0.00E+00	3.04E-09	0.00	0.000014	1632
629824_4278061	629824	4278061	6.2E-05	7.17E-10	2.02E-09	0.00E+00	2.74E-09	0.00	0.000012	1633
629824_4278111	629824	4278111	6.4E-05	7.38E-10	2.08E-09	0.00E+00	2.82E-09	0.00	0.000013	1634
629824_4278161	629824	4278161	6.7E-05	7.67E-10	2.16E-09	0.00E+00	2.93E-09	0.00	0.000013	1635
629824_4278211	629824	4278211	6.9E-05	7.98E-10	2.25E-09	0.00E+00	3.05E-09	0.00	0.000014	1636
629824_4278261	629824	4278261	7.2E-05	8.26E-10	2.33E-09	0.00E+00	3.16E-09	0.00	0.000014	1637
629824_4278311	629824	4278311	7.4E-05	8.52E-10	2.40E-09	0.00E+00	3.25E-09	0.00	0.000015	1638
629824_4278361	629824	4278361	7.6E-05	8.72E-10	2.46E-09	0.00E+00	3.33E-09	0.00	0.000015	1639
629824_4278411	629824	4278411	7.7E-05	8.83E-10	2.49E-09	0.00E+00	3.37E-09	0.00	0.000015	1640
629824_4278461	629824	4278461	7.7E-05	8.86E-10	2.50E-09	0.00E+00	3.38E-09	0.00	0.000015	1641
629824_4278511	629824	4278511	7.6E-05	8.79E-10	2.48E-09	0.00E+00	3.36E-09	0.00	0.000015	1642
629824_4278561	629824	4278561	7.5E-05	8.63E-10	2.43E-09	0.00E+00	3.30E-09	0.00	0.000015	1643
629824_4278611	629824	4278611	7.3E-05	8.39E-10	2.37E-09	0.00E+00	3.21E-09	0.00	0.000015	1644
629824_4278711	629824	4278711	6.8E-05	7.79E-10	2.20E-09	0.00E+00	2.98E-09	0.00	0.000014	1645
629824_4278761	629824	4278761	6.5E-05	7.45E-10	2.10E-09	0.00E+00	2.85E-09	0.00	0.000013	1646
629824_4278811	629824	4278811	6.2E-05	7.09E-10	2.00E-09	0.00E+00	2.71E-09	0.00	0.000012	1647
629824_4278861	629824	4278861	5.8E-05	6.74E-10	1.90E-09	0.00E+00	2.57E-09	0.00	0.000012	1648
629824_4278911	629824	4278911	5.5E-05	6.39E-10	1.80E-09	0.00E+00	2.44E-09	0.00	0.000011	1649
629774_4277661	629774	4277661	5.5E-05	6.38E-10	1.80E-09	0.00E+00	2.44E-09	0.00	0.000011	1650
629774_4277711	629774	4277711	5.6E-05	6.42E-10	1.81E-09	0.00E+00	2.45E-09	0.00	0.000011	1651
629774_4277761	629774	4277761	5.7E-05	6.59E-10	1.86E-09	0.00E+00	2.52E-09	0.00	0.000011	1652
629774_4277811	629774	4277811	5.9E-05	6.76E-10	1.91E-09	0.00E+00	2.58E-09	0.00	0.000012	1653
629774_4277861	629774	4277861	5.8E-05	6.74E-10	1.90E-09	0.00E+00	2.58E-09	0.00	0.000012	1654
629774_4277911	629774	4277911	5.6E-05	6.47E-10	1.83E-09	0.00E+00	2.47E-09	0.00	0.000011	1655
629774_4277961	629774	4277961	5.3E-05	6.08E-10	1.71E-09	0.00E+00	2.32E-09	0.00	0.000011	1656
629774_4278011	629774	4278011	5.0E-05	5.81E-10	1.64E-09	0.00E+00	2.22E-09	0.00	0.000010	1657
629774_4278861	629774	4278861	5.3E-05	6.06E-10	1.71E-09	0.00E+00	2.31E-09	0.00	0.000011	1658
629774_4278911	629774	4278911	5.0E-05	5.80E-10	1.64E-09	0.00E+00	2.22E-09	0.00	0.000010	1659
629724_4277661	629724	4277661	4.6E-05	5.33E-10	1.50E-09	0.00E+00	2.04E-09	0.00	0.000009	1660
629724_4277711	629724	4277711	4.7E-05	5.39E-10	1.52E-09	0.00E+00	2.06E-09	0.00	0.000009	1661
629724_4277761	629724	4277761	4.8E-05	5.54E-10	1.56E-09	0.00E+00	2.12E-09	0.00	0.000010	1662
629724_4277811	629724	4277811	4.9E-05	5.67E-10	1.60E-09	0.00E+00	2.17E-09	0.00	0.000010	1663
629724_4277861	629724	4277861	4.9E-05	5.63E-10	1.59E-09	0.00E+00	2.15E-09	0.00	0.000010	1664
629724_4277911	629724	4277911	4.7E-05	5.39E-10	1.52E-09	0.00E+00	2.06E-09	0.00	0.000009	1665
629724_4277961	629724	4277961	4.4E-05	5.06E-10	1.43E-09	0.00E+00	1.93E-09	0.00	0.000009	1666
629724_4278011	629724	4278011	4.2E-05	4.81E-10	1.36E-09	0.00E+00	1.84E-09	0.00	0.000008	1667

629724_4278061	629724	4278061	4.1E-05	4.73E-10	1.33E-09	0.00E+00	1.81E-09	0.00	0.000008	1668
629724_4278111	629724	4278111	4.2E-05	4.80E-10	1.35E-09	0.00E+00	1.83E-09	0.00	0.000008	1669
629724_4278161	629724	4278161	4.3E-05	4.95E-10	1.40E-09	0.00E+00	1.89E-09	0.00	0.000009	1670
629724_4278211	629724	4278211	4.4E-05	5.12E-10	1.45E-09	0.00E+00	1.96E-09	0.00	0.000009	1671
629724_4278261	629724	4278261	4.6E-05	5.29E-10	1.49E-09	0.00E+00	2.02E-09	0.00	0.000009	1672
629724_4278311	629724	4278311	4.7E-05	5.45E-10	1.54E-09	0.00E+00	2.08E-09	0.00	0.000009	1673
629724_4278361	629724	4278361	4.9E-05	5.59E-10	1.58E-09	0.00E+00	2.14E-09	0.00	0.000010	1674
629724_4278411	629724	4278411	5.0E-05	5.72E-10	1.61E-09	0.00E+00	2.19E-09	0.00	0.000010	1675
629724_4278461	629724	4278461	5.1E-05	5.83E-10	1.65E-09	0.00E+00	2.23E-09	0.00	0.000010	1676
629724_4278511	629724	4278511	5.1E-05	5.91E-10	1.67E-09	0.00E+00	2.26E-09	0.00	0.000010	1677
629724_4278561	629724	4278561	5.2E-05	5.96E-10	1.68E-09	0.00E+00	2.28E-09	0.00	0.000010	1678
629724_4278611	629724	4278611	5.2E-05	5.96E-10	1.68E-09	0.00E+00	2.28E-09	0.00	0.000010	1679
629724_4278711	629724	4278711	5.1E-05	5.83E-10	1.65E-09	0.00E+00	2.23E-09	0.00	0.000010	1680
629724_4278761	629724	4278761	5.0E-05	5.72E-10	1.61E-09	0.00E+00	2.18E-09	0.00	0.000010	1681
629724_4278811	629724	4278811	4.8E-05	5.58E-10	1.57E-09	0.00E+00	2.13E-09	0.00	0.000010	1682
629674_4277661	629674	4277661	3.9E-05	4.53E-10	1.28E-09	0.00E+00	1.73E-09	0.00	0.000008	1683
629674_4277711	629674	4277711	4.0E-05	4.59E-10	1.30E-09	0.00E+00	1.75E-09	0.00	0.000008	1684
629674_4277761	629674	4277761	4.1E-05	4.72E-10	1.33E-09	0.00E+00	1.80E-09	0.00	0.000008	1685
629674_4277811	629674	4277811	4.2E-05	4.83E-10	1.36E-09	0.00E+00	1.84E-09	0.00	0.000008	1686
629674_4277861	629674	4277861	4.2E-05	4.79E-10	1.35E-09	0.00E+00	1.83E-09	0.00	0.000008	1687
629674_4277911	629674	4277911	4.0E-05	4.58E-10	1.29E-09	0.00E+00	1.75E-09	0.00	0.000008	1688
629674_4277961	629674	4277961	3.7E-05	4.30E-10	1.21E-09	0.00E+00	1.64E-09	0.00	0.000007	1689
629674_4278011	629674	4278011	3.5E-05	4.09E-10	1.15E-09	0.00E+00	1.56E-09	0.00	0.000007	1690
629674_4278061	629674	4278061	3.5E-05	3.99E-10	1.12E-09	0.00E+00	1.52E-09	0.00	0.000007	1691
629674_4278111	629674	4278111	3.5E-05	4.01E-10	1.13E-09	0.00E+00	1.53E-09	0.00	0.000007	1692
629674_4278161	629674	4278161	3.6E-05	4.11E-10	1.16E-09	0.00E+00	1.57E-09	0.00	0.000007	1693
629674_4278211	629674	4278211	3.7E-05	4.25E-10	1.20E-09	0.00E+00	1.62E-09	0.00	0.000007	1694
629674_4278261	629674	4278261	3.8E-05	4.39E-10	1.24E-09	0.00E+00	1.68E-09	0.00	0.000008	1695
629674_4278311	629674	4278311	3.9E-05	4.52E-10	1.27E-09	0.00E+00	1.73E-09	0.00	0.000008	1696
629674_4278361	629674	4278361	4.0E-05	4.63E-10	1.31E-09	0.00E+00	1.77E-09	0.00	0.000008	1697
629674_4278411	629674	4278411	4.1E-05	4.73E-10	1.33E-09	0.00E+00	1.81E-09	0.00	0.000008	1698
629674_4278461	629674	4278461	4.2E-05	4.82E-10	1.36E-09	0.00E+00	1.84E-09	0.00	0.000008	1699
629674_4278511	629674	4278511	4.3E-05	4.92E-10	1.39E-09	0.00E+00	1.88E-09	0.00	0.000009	1700
629674_4278561	629674	4278561	4.3E-05	4.98E-10	1.41E-09	0.00E+00	1.90E-09	0.00	0.000009	1701
629674_4278611	629674	4278611	4.4E-05	5.03E-10	1.42E-09	0.00E+00	1.92E-09	0.00	0.000009	1702
629674_4278711	629674	4278711	4.3E-05	5.01E-10	1.41E-09	0.00E+00	1.91E-09	0.00	0.000009	1703
629674_4278761	629674	4278761	4.3E-05	4.97E-10	1.40E-09	0.00E+00	1.90E-09	0.00	0.000009	1704
629674_4278811	629674	4278811	4.2E-05	4.89E-10	1.38E-09	0.00E+00	1.87E-09	0.00	0.000008	1705
629674_4278861	629674	4278861	4.2E-05	4.80E-10	1.35E-09	0.00E+00	1.84E-09	0.00	0.000008	1706
629674_4278911	629674	4278911	4.1E-05	4.69E-10	1.32E-09	0.00E+00	1.79E-09	0.00	0.000008	1707
629624_4277661	629624	4277661	3.4E-05	3.91E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1708
629624_4277711	629624	4277711	3.5E-05	3.99E-10	1.12E-09	0.00E+00	1.52E-09	0.00	0.000007	1709
629624_4277761	629624	4277761	3.6E-05	4.11E-10	1.16E-09	0.00E+00	1.57E-09	0.00	0.000007	1710
629624_4277811	629624	4277811	3.6E-05	4.19E-10	1.18E-09	0.00E+00	1.60E-09	0.00	0.000007	1711
629624_4277861	629624	4277861	3.6E-05	4.13E-10	1.16E-09	0.00E+00	1.58E-09	0.00	0.000007	1712
629624_4277911	629624	4277911	3.4E-05	3.95E-10	1.11E-09	0.00E+00	1.51E-09	0.00	0.000007	1713
629624_4277961	629624	4277961	3.2E-05	3.72E-10	1.05E-09	0.00E+00	1.42E-09	0.00	0.000006	1714
629624_4278011	629624	4278011	3.1E-05	3.53E-10	9.95E-10	0.00E+00	1.35E-09	0.00	0.000006	1715
629624_4278061	629624	4278061	3.0E-05	3.42E-10	9.65E-10	0.00E+00	1.31E-09	0.00	0.000006	1716
629624_4278111	629624	4278111	3.0E-05	3.41E-10	9.63E-10	0.00E+00	1.30E-09	0.00	0.000006	1717
629624_4278161	629624	4278161	3.0E-05	3.48E-10	9.83E-10	0.00E+00	1.33E-09	0.00	0.000006	1718
629624_4278211	629624	4278211	3.1E-05	3.59E-10	1.01E-09	0.00E+00	1.37E-09	0.00	0.000006	1719
629624_4278261	629624	4278261	3.2E-05	3.71E-10	1.05E-09	0.00E+00	1.42E-09	0.00	0.000006	1720
629624_4278311	629624	4278311	3.3E-05	3.81E-10	1.08E-09	0.00E+00	1.46E-09	0.00	0.000007	1721
629624_4278361	629624	4278361	3.4E-05	3.91E-10	1.10E-09	0.00E+00	1.49E-09	0.00	0.000007	1722
629624_4278411	629624	4278411	3.5E-05	4.00E-10	1.13E-09	0.00E+00	1.53E-09	0.00	0.000007	1723
629624_4278461	629624	4278461	3.5E-05	4.07E-10	1.15E-09	0.00E+00	1.56E-09	0.00	0.000007	1724
629624_4278511	629624	4278511	3.6E-05	4.15E-10	1.17E-09	0.00E+00	1.58E-09	0.00	0.000007	1725
629624_4278561	629624	4278561	3.7E-05	4.22E-10	1.19E-09	0.00E+00	1.61E-09	0.00	0.000007	1726
629624_4278611	629624	4278611	3.7E-05	4.27E-10	1.20E-09	0.00E+00	1.63E-09	0.00	0.000007	1727
629624_4278711	629624	4278711	3.7E-05	4.32E-10	1.22E-09	0.00E+00	1.65E-09	0.00	0.000007	1728
629624_4278761	629624	4278761	3.7E-05	4.31E-10	1.22E-09	0.00E+00	1.65E-09	0.00	0.000007	1729
629624_4278811	629624	4278811	3.7E-05	4.29E-10	1.21E-09	0.00E+00	1.64E-09	0.00	0.000007	1730
629624_4278861	629624	4278861	3.7E-05	4.25E-10	1.20E-09	0.00E+00	1.62E-09	0.00	0.000007	1731
629624_4278911	629624	4278911	3.6E-05	4.19E-10	1.18E-09	0.00E+00	1.60E-09	0.00	0.000007	1732
629574_4277661	629574	4277661	3.0E-05	3.43E-10	9.66E-10	0.00E+00	1.31E-09	0.00	0.000006	1733
629574_4277711	629574	4277711	3.1E-05	3.52E-10	9.92E-10	0.00E+00	1.34E-09	0.00	0.000006	1734
629574_4277761	629574	4277761	3.1E-05	3.62E-10	1.02E-09	0.00E+00	1.38E-09	0.00	0.000006	1735
629574_4277811	629574	4277811	3.2E-05	3.67E-10	1.04E-09	0.00E+00	1.40E-09	0.00	0.000006	1736
629574_4277861	629574	4277861	3.1E-05	3.61E-10	1.02E-09	0.00E+00	1.38E-09	0.00	0.000006	1737
629574_4277911	629574	4277911	3.0E-05	3.45E-10	9.73E-10	0.00E+00	1.32E-09	0.00	0.000006	1738
629574_4277961	629574	4277961	2.8E-05	3.25E-10	9.18E-10	0.00E+00	1.24E-09	0.00	0.000006	1739
629574_4278011	629574	4278011	2.7E-05	3.09E-10	8.71E-10	0.00E+00	1.18E-09	0.00	0.000005	1740
629574_4278061	629574	4278061	2.6E-05	2.98E-10	8.41E-10	0.00E+00	1.14E-09	0.00	0.000005	1741
629574_4278111	629574	4278111	2.6E-05	2.96E-10	8.34E-10	0.00E+00	1.13E-09	0.00	0.000005	1742
629574_4278161	629574	4278161	2.6E-05	3.00E-10	8.46E-10	0.00E+00	1.15E-09	0.00	0.000005	1743
629574_4278211	629574	4278211	2.7E-05	3.08E-10	8.69E-10	0.00E+00	1.18E-09	0.00	0.000005	1744
629574_4278261	629574	4278261	2.8E-05	3.18E-10	8.96E-10	0.00E+00	1.21E-09	0.00	0.000006	1745
629574_4278311	629574	4278311	2.8E-05	3.27E-10	9.23E-10	0.00E+00	1.25E-09	0.00	0.000006	1746
629574_4278361	629574	4278361	2.9E-05	3.35E-10	9.45E-10	0.00E+00	1.28E-09	0.00	0.000006	1747
629574_4278411	629574	4278411	3.0E-05	3.42E-10	9.65E-10	0.00E+00	1.31E-09	0.00	0.000006	1748
629574_4278461	629574	4278461	3.0E-05	3.49E-10	9.83E-10	0.00E+00	1.33E-09	0.00	0.000006	1749
629574_4278511	629574	4278511	3.1E-05	3.55E-10	1.00E-09	0.00E+00	1.35E-09	0.00	0.000006	1750
629574_4278561	629574	4278561	3.1E-05	3.61E-10	1.02E-09	0.00E+00	1.38E-09	0.00	0.000006	1751
629574_4278611	629574	4278611	3.2E-05	3.66E-10	1.03E-09	0.00E+00	1.40E-09	0.00	0.000006	1752
629574_4278711	629574	4278711	3.2E-05	3.74E-10	1.05E-09	0.00E+00	1.43E-09	0.00	0.000006	1753
629574_4278761	629574	4278761	3.3E-05	3.76E-10	1.06E-09	0.00E+00	1.44E-09	0.00	0.000007	1754
629574_4278811	629574	4278811	3.3E-05	3.76E-10	1.06E-09	0.00E+00	1.44E-09	0.00	0.000007	1755
629574_4278861	629574	4278861	3.3E-05	3.75E-10	1.06E-09	0.00E+00	1.43E-09	0.00	0.000007	1756
629574_4278911	629574	4278911	3.2E-05	3.73E-10	1.05E-09	0.00E+00	1.42E-09	0.00	0.000006	1757
629524_4277661	629524	4277661	2.6E-05	3.05E-10	8.60E-10	0.00E+00	1.17E-09	0.00	0.000005	1758
629524_4277711	629524	4277711	2.7E-05	3.13E-10	8.84E-10	0.00E+00	1.20E-09	0.00	0.000005	1759
629524_4277761	629524	4277761	2.8E-05	3.22E-10	9.07E-10	0.00E+00	1.23E-09	0.00	0.000006	1760
629524_4277811	629524	4277811	2.8E-05	3.25E-10	9.16E-10	0.00E+00	1.24E-09	0.00	0.000006	1761
629524_4277861	629524	4277861	2.8E-05	3.19E-10	9.00E-10	0.00E+00	1.22E-09	0.00	0.000006	1762
629524_4277911	629524	4277911	2.7E-05	3.06E-10	8.62E-10	0.00E+00	1.17E-09	0.00	0.000005	1763
629524_4277961	629524	4277961	2.5E-05	2.88E-10	8.13E-10	0.00E+00	1.10E-09	0.00	0.000005	1764
629524_4278011	629524	4278011	2.4E-05	2.73E-10	7.71E-10	0.00E+00	1.04E-09	0.00	0.000005	1765
629524_4278061	629524	4278061	2.3E-05	2.64E-10	7.43E-10	0.00E+00	1.01E-09	0.00	0.000005	1766
629524_4278111	629524	4278111	2.3E-05	2.60E-10	7.32E-10	0.00E+00	9.91E-10	0.00	0.000005	1767
629524_4278161	629524	4278161	2.3E-05	2.61E-10	7.37E-10	0.00E+00	9.99E-10	0.00	0.000005	1768
629524_4278211	629524	4278211	2.3E-05	2.68E-10	7.56E-10	0.00E+00	1.02E-09	0.00	0.000005	1769
629524_4278261	629524	4278261	2.4E-05	2.76E-10	7.78E-10	0.00E+00	1.05E-09	0.00	0.000005	1770
629524_4278311	629524	4278311	2.5E-05	2.84E-10	8.01E-10	0.00E+00	1.09E-09	0.00	0.000005	1771
629524_4278361	629524	4278361	2.5E-05	2.91E-10	8.21E-10	0.00E+00	1.11E-09	0.00	0.000005	1772
629524_4278411	629524	4278411	2.6E-05	2.97E-10	8.38E-10	0.00E+00	1.14E-09	0.00	0.000005	1773
629524_4278461	629524	4278461	2.6E-05	3.03E-10	8.54E-10	0.00E+00	1.16E-09	0.00	0.000005	1774
629524_4278511	629524	4278511	2.7E-05	3.08E-10	8.69E-10	0.00E+00	1.18E-09	0.00	0.000005	1775
629524_4278561	629524	4278561	2.7E-05	3.13E-10	8.82E-10	0.00E+00	1.20E-09	0.00	0.000005	1776
629524_4278661	629524	4278661	2.8E-05	3.22E-10	9.08E-10	0.00E+00	1.23E-09	0.00	0.000006	1777
629524_4278711	629524	4278711	2.8E-05	3.25E-10	9.18E-10	0.00E+00	1.24E-09	0.00	0.000006	1778
629524_4278761	629524	4278761	2.8E-05	3.28E-10	9.26E-10	0.00E+00	1.25E-09	0.00	0.000006	1779
629524_4278811	629524	4278811	2.9E-05	3.30E-10	9.32E-10	0.00E+00	1.26E-09	0.00	0.000006	1780
629524_4278861	629524	4278861	2.9E-05	3.31E-10	9.34E-10	0.00E+00	1.27E-09	0.00	0.000006	1781
629524_4278911	629524	4278911	2.9E-05	3.31E-10	9.35E-10	0.00E+00	1.27E-09	0.00	0.000006	1782
629474_4277661	629474	4277661	2.4E-05	2.74E-10	7.73E-10	0.00E+00	1.05E-09	0.00	0.000005	1783
629474_4277711	629474	4277711	2.4E-05	2.81E-10	7.93E-10	0.00E+00	1.07E-09	0.00	0.000005	1784
629474_4277761	629474	4277761	2.5E-05	2.89E-10	8.15E-10	0.00E+00	1.10E-09	0.00	0.000005	1785
629474_4277811	629474	4277811	2.5E-05	2.91E-10	8.21E-10	0.00E+00	1.11E-09	0.00	0.000005	1786
629474_4277861	629474	4277861	2.5E-05	2.85E-10	8.05E-10	0.00E+00	1.09E-09	0.00	0.000005	1787
629474_4277911	629474	4277911	2.4E-05	2.74E-10	7.71E-10	0.00E+00	1.05E-09	0.00	0.000005	1788
629474_4277961	629474	4277961	2.2E-05	2.59E-10	7.30E-10	0.00E+00	9.89E-10	0.00	0.000004	1789

629474_4278011	629474	4278011	2.1E-05	2.45E-10	6.91E-10	0.00E+00	9.36E-10	0.00	0.000004	1790
629474_4278061	629474	4278061	2.0E-05	2.35E-10	6.63E-10	0.00E+00	8.98E-10	0.00	0.000004	1791
629474_4278111	629474	4278111	2.0E-05	2.30E-10	6.50E-10	0.00E+00	8.81E-10	0.00	0.000004	1792
629474_4278161	629474	4278161	2.0E-05	2.31E-10	6.52E-10	0.00E+00	8.83E-10	0.00	0.000004	1793
629474_4278211	629474	4278211	2.0E-05	2.36E-10	6.65E-10	0.00E+00	9.00E-10	0.00	0.000004	1794
629474_4278261	629474	4278261	2.1E-05	2.42E-10	6.83E-10	0.00E+00	9.25E-10	0.00	0.000004	1795
629474_4278311	629474	4278311	2.2E-05	2.48E-10	7.01E-10	0.00E+00	9.49E-10	0.00	0.000004	1796
629474_4278361	629474	4278361	2.2E-05	2.55E-10	7.19E-10	0.00E+00	9.75E-10	0.00	0.000004	1797
629474_4278411	629474	4278411	2.3E-05	2.61E-10	7.37E-10	0.00E+00	9.99E-10	0.00	0.000005	1798
629474_4278461	629474	4278461	2.3E-05	2.66E-10	7.51E-10	0.00E+00	1.02E-09	0.00	0.000005	1799
629474_4278511	629474	4278511	2.3E-05	2.71E-10	7.64E-10	0.00E+00	1.03E-09	0.00	0.000005	1800
629474_4278561	629474	4278561	2.4E-05	2.75E-10	7.75E-10	0.00E+00	1.05E-09	0.00	0.000005	1801
629474_4278661	629474	4278661	2.4E-05	2.82E-10	7.96E-10	0.00E+00	1.08E-09	0.00	0.000005	1802
629474_4278711	629474	4278711	2.5E-05	2.86E-10	8.06E-10	0.00E+00	1.09E-09	0.00	0.000005	1803
629474_4278761	629474	4278761	2.5E-05	2.89E-10	8.15E-10	0.00E+00	1.10E-09	0.00	0.000005	1804
629474_4278811	629474	4278811	2.5E-05	2.91E-10	8.22E-10	0.00E+00	1.11E-09	0.00	0.000005	1805
629474_4278861	629474	4278861	2.5E-05	2.93E-10	8.28E-10	0.00E+00	1.12E-09	0.00	0.000005	1806
629474_4278911	629474	4278911	2.6E-05	2.95E-10	8.32E-10	0.00E+00	1.13E-09	0.00	0.000005	1807
629424_4277661	629424	4277661	2.1E-05	2.48E-10	6.98E-10	0.00E+00	9.46E-10	0.00	0.000004	1808
629424_4277711	629424	4277711	2.2E-05	2.54E-10	7.17E-10	0.00E+00	9.71E-10	0.00	0.000004	1809
629424_4277761	629424	4277761	2.3E-05	2.61E-10	7.35E-10	0.00E+00	9.96E-10	0.00	0.000005	1810
629424_4277811	629424	4277811	2.3E-05	2.62E-10	7.39E-10	0.00E+00	1.00E-09	0.00	0.000005	1811
629424_4277861	629424	4277861	2.2E-05	2.57E-10	7.24E-10	0.00E+00	9.80E-10	0.00	0.000004	1812
629424_4277911	629424	4277911	2.1E-05	2.46E-10	6.95E-10	0.00E+00	9.41E-10	0.00	0.000004	1813
629424_4277961	629424	4277961	2.0E-05	2.34E-10	6.59E-10	0.00E+00	8.92E-10	0.00	0.000004	1814
629424_4278011	629424	4278011	1.9E-05	2.21E-10	6.23E-10	0.00E+00	8.44E-10	0.00	0.000004	1815
629424_4278061	629424	4278061	1.8E-05	2.12E-10	5.97E-10	0.00E+00	8.09E-10	0.00	0.000004	1816
629424_4278111	629424	4278111	1.8E-05	2.07E-10	5.84E-10	0.00E+00	7.91E-10	0.00	0.000004	1817
629424_4278161	629424	4278161	1.8E-05	2.07E-10	5.83E-10	0.00E+00	7.90E-10	0.00	0.000004	1818
629424_4278211	629424	4278211	1.8E-05	2.10E-10	5.92E-10	0.00E+00	8.01E-10	0.00	0.000004	1819
629424_4278261	629424	4278261	1.9E-05	2.14E-10	6.04E-10	0.00E+00	8.19E-10	0.00	0.000004	1820
629424_4278311	629424	4278311	1.9E-05	2.20E-10	6.21E-10	0.00E+00	8.42E-10	0.00	0.000004	1821
629424_4278361	629424	4278361	2.0E-05	2.26E-10	6.38E-10	0.00E+00	8.64E-10	0.00	0.000004	1822
629424_4278411	629424	4278411	2.0E-05	2.31E-10	6.53E-10	0.00E+00	8.84E-10	0.00	0.000004	1823
629424_4278461	629424	4278461	2.0E-05	2.36E-10	6.66E-10	0.00E+00	9.02E-10	0.00	0.000004	1824
629424_4278511	629424	4278511	2.1E-05	2.40E-10	6.78E-10	0.00E+00	9.19E-10	0.00	0.000004	1825
629424_4278611	629424	4278611	2.1E-05	2.47E-10	6.97E-10	0.00E+00	9.44E-10	0.00	0.000004	1826
629424_4278661	629424	4278661	2.2E-05	2.50E-10	7.04E-10	0.00E+00	9.54E-10	0.00	0.000004	1827
629424_4278711	629424	4278711	2.2E-05	2.53E-10	7.13E-10	0.00E+00	9.66E-10	0.00	0.000004	1828
629424_4278761	629424	4278761	2.2E-05	2.56E-10	7.22E-10	0.00E+00	9.79E-10	0.00	0.000004	1829
629424_4278811	629424	4278811	2.2E-05	2.59E-10	7.31E-10	0.00E+00	9.90E-10	0.00	0.000004	1830
629424_4278861	629424	4278861	2.3E-05	2.61E-10	7.37E-10	0.00E+00	9.98E-10	0.00	0.000005	1831
629424_4278911	629424	4278911	2.3E-05	2.63E-10	7.41E-10	0.00E+00	1.00E-09	0.00	0.000005	1832
629374_4277661	629374	4277661	2.0E-05	2.26E-10	6.38E-10	0.00E+00	8.64E-10	0.00	0.000004	1833
629374_4277711	629374	4277711	2.0E-05	2.33E-10	6.57E-10	0.00E+00	8.89E-10	0.00	0.000004	1834
629374_4277761	629374	4277761	2.1E-05	2.37E-10	6.70E-10	0.00E+00	9.07E-10	0.00	0.000004	1835
629374_4277811	629374	4277811	2.1E-05	2.38E-10	6.72E-10	0.00E+00	9.10E-10	0.00	0.000004	1836
629374_4277861	629374	4277861	2.0E-05	2.33E-10	6.58E-10	0.00E+00	8.91E-10	0.00	0.000004	1837
629374_4277911	629374	4277911	1.9E-05	2.24E-10	6.30E-10	0.00E+00	8.54E-10	0.00	0.000004	1838
629374_4277961	629374	4277961	1.8E-05	2.12E-10	5.98E-10	0.00E+00	8.10E-10	0.00	0.000004	1839
629374_4278011	629374	4278011	1.7E-05	2.01E-10	5.67E-10	0.00E+00	7.68E-10	0.00	0.000003	1840
629374_4278061	629374	4278061	1.7E-05	1.92E-10	5.43E-10	0.00E+00	7.35E-10	0.00	0.000003	1841
629374_4278111	629374	4278111	1.6E-05	1.88E-10	5.29E-10	0.00E+00	7.17E-10	0.00	0.000003	1842
629374_4278161	629374	4278161	1.6E-05	1.86E-10	5.26E-10	0.00E+00	7.12E-10	0.00	0.000003	1843
629374_4278211	629374	4278211	1.6E-05	1.88E-10	5.31E-10	0.00E+00	7.19E-10	0.00	0.000003	1844
629374_4278261	629374	4278261	1.7E-05	1.92E-10	5.41E-10	0.00E+00	7.33E-10	0.00	0.000003	1845
629374_4278311	629374	4278311	1.7E-05	1.97E-10	5.56E-10	0.00E+00	7.53E-10	0.00	0.000003	1846
629374_4278361	629374	4278361	1.8E-05	2.02E-10	5.70E-10	0.00E+00	7.72E-10	0.00	0.000004	1847
629374_4278411	629374	4278411	1.8E-05	2.07E-10	5.84E-10	0.00E+00	7.91E-10	0.00	0.000004	1848
629374_4278461	629374	4278461	1.8E-05	2.11E-10	5.96E-10	0.00E+00	8.07E-10	0.00	0.000004	1849
629374_4278611	629374	4278611	1.9E-05	2.21E-10	6.24E-10	0.00E+00	8.45E-10	0.00	0.000004	1850
629374_4278661	629374	4278661	1.9E-05	2.24E-10	6.31E-10	0.00E+00	8.55E-10	0.00	0.000004	1851
629374_4278711	629374	4278711	2.0E-05	2.27E-10	6.39E-10	0.00E+00	8.66E-10	0.00	0.000004	1852
629374_4278761	629374	4278761	2.0E-05	2.29E-10	6.46E-10	0.00E+00	8.75E-10	0.00	0.000004	1853
629374_4278811	629374	4278811	2.0E-05	2.32E-10	6.53E-10	0.00E+00	8.85E-10	0.00	0.000004	1854
629374_4278861	629374	4278861	2.0E-05	2.34E-10	6.60E-10	0.00E+00	8.93E-10	0.00	0.000004	1855
629374_4278911	629374	4278911	2.0E-05	2.36E-10	6.65E-10	0.00E+00	9.01E-10	0.00	0.000004	1856
629324_4277661	629324	4277661	1.8E-05	2.08E-10	5.86E-10	0.00E+00	7.94E-10	0.00	0.000004	1857
629324_4277711	629324	4277711	1.9E-05	2.14E-10	6.02E-10	0.00E+00	8.16E-10	0.00	0.000004	1858
629324_4277761	629324	4277761	1.9E-05	2.17E-10	6.13E-10	0.00E+00	8.31E-10	0.00	0.000004	1859
629324_4277811	629324	4277811	1.9E-05	2.17E-10	6.13E-10	0.00E+00	8.30E-10	0.00	0.000004	1860
629324_4277861	629324	4277861	1.8E-05	2.13E-10	6.00E-10	0.00E+00	8.12E-10	0.00	0.000004	1861
629324_4277911	629324	4277911	1.8E-05	2.04E-10	5.74E-10	0.00E+00	7.78E-10	0.00	0.000004	1862
629324_4277961	629324	4277961	1.7E-05	1.93E-10	5.46E-10	0.00E+00	7.39E-10	0.00	0.000003	1863
629324_4278011	629324	4278011	1.6E-05	1.84E-10	5.18E-10	0.00E+00	7.02E-10	0.00	0.000003	1864
629324_4278061	629324	4278061	1.5E-05	1.76E-10	4.96E-10	0.00E+00	6.72E-10	0.00	0.000003	1865
629324_4278111	629324	4278111	1.5E-05	1.71E-10	4.82E-10	0.00E+00	6.53E-10	0.00	0.000003	1866
629324_4278161	629324	4278161	1.5E-05	1.69E-10	4.78E-10	0.00E+00	6.47E-10	0.00	0.000003	1867
629324_4278211	629324	4278211	1.5E-05	1.70E-10	4.81E-10	0.00E+00	6.51E-10	0.00	0.000003	1868
629324_4278261	629324	4278261	1.5E-05	1.73E-10	4.89E-10	0.00E+00	6.63E-10	0.00	0.000003	1869
629324_4278311	629324	4278311	1.5E-05	1.78E-10	5.01E-10	0.00E+00	6.79E-10	0.00	0.000003	1870
629324_4278361	629324	4278361	1.6E-05	1.82E-10	5.14E-10	0.00E+00	6.96E-10	0.00	0.000003	1871
629324_4278411	629324	4278411	1.6E-05	1.87E-10	5.27E-10	0.00E+00	7.13E-10	0.00	0.000003	1872
629324_4278561	629324	4278561	1.7E-05	1.97E-10	5.57E-10	0.00E+00	7.54E-10	0.00	0.000003	1873
629324_4278611	629324	4278611	1.7E-05	2.00E-10	5.64E-10	0.00E+00	7.64E-10	0.00	0.000003	1874
629324_4278661	629324	4278661	1.8E-05	2.02E-10	5.70E-10	0.00E+00	7.72E-10	0.00	0.000004	1875
629324_4278711	629324	4278711	1.8E-05	2.04E-10	5.77E-10	0.00E+00	7.81E-10	0.00	0.000004	1876
629324_4278761	629324	4278761	1.8E-05	2.07E-10	5.82E-10	0.00E+00	7.89E-10	0.00	0.000004	1877
629324_4278811	629324	4278811	1.8E-05	2.08E-10	5.88E-10	0.00E+00	7.96E-10	0.00	0.000004	1878
629324_4278861	629324	4278861	1.8E-05	2.11E-10	5.94E-10	0.00E+00	8.04E-10	0.00	0.000004	1879
629324_4278911	629324	4278911	1.8E-05	2.12E-10	5.99E-10	0.00E+00	8.11E-10	0.00	0.000004	1880
629274_4277661	629274	4277661	1.7E-05	1.92E-10	5.42E-10	0.00E+00	7.34E-10	0.00	0.000003	1881
629274_4277711	629274	4277711	1.7E-05	1.97E-10	5.56E-10	0.00E+00	7.53E-10	0.00	0.000003	1882
629274_4277761	629274	4277761	1.7E-05	2.00E-10	5.65E-10	0.00E+00	7.65E-10	0.00	0.000003	1883
629274_4277811	629274	4277811	1.7E-05	2.00E-10	5.63E-10	0.00E+00	7.63E-10	0.00	0.000003	1884
629274_4277861	629274	4277861	1.7E-05	1.95E-10	5.50E-10	0.00E+00	7.45E-10	0.00	0.000003	1885
629274_4277911	629274	4277911	1.6E-05	1.87E-10	5.28E-10	0.00E+00	7.15E-10	0.00	0.000003	1886
629274_4277961	629274	4277961	1.5E-05	1.78E-10	5.01E-10	0.00E+00	6.79E-10	0.00	0.000003	1887
629274_4278011	629274	4278011	1.5E-05	1.69E-10	4.76E-10	0.00E+00	6.44E-10	0.00	0.000003	1888
629274_4278061	629274	4278061	1.4E-05	1.61E-10	4.55E-10	0.00E+00	6.17E-10	0.00	0.000003	1889
629274_4278111	629274	4278111	1.4E-05	1.57E-10	4.42E-10	0.00E+00	5.99E-10	0.00	0.000003	1890
629274_4278161	629274	4278161	1.3E-05	1.55E-10	4.37E-10	0.00E+00	5.92E-10	0.00	0.000003	1891
629274_4278211	629274	4278211	1.3E-05	1.55E-10	4.38E-10	0.00E+00	5.94E-10	0.00	0.000003	1892
629274_4278261	629274	4278261	1.4E-05	1.58E-10	4.45E-10	0.00E+00	6.03E-10	0.00	0.000003	1893
629274_4278311	629274	4278311	1.4E-05	1.61E-10	4.55E-10	0.00E+00	6.16E-10	0.00	0.000003	1894
629274_4278361	629274	4278361	1.4E-05	1.66E-10	4.67E-10	0.00E+00	6.32E-10	0.00	0.000003	1895
629274_4278511	629274	4278511	1.5E-05	1.77E-10	4.98E-10	0.00E+00	6.75E-10	0.00	0.000003	1896
629274_4278561	629274	4278561	1.6E-05	1.80E-10	5.06E-10	0.00E+00	6.86E-10	0.00	0.000003	1897
629274_4278611	629274	4278611	1.6E-05	1.82E-10	5.13E-10	0.00E+00	6.95E-10	0.00	0.000003	1898
629274_4278661	629274	4278661	1.6E-05	1.84E-10	5.19E-10	0.00E+00	7.03E-10	0.00	0.000003	1899
629274_4278711	629274	4278711	1.6E-05	1.86E-10	5.24E-10	0.00E+00	7.10E-10	0.00	0.000003	1900
629274_4278761	629274	4278761	1.6E-05	1.87E-10	5.29E-10	0.00E+00	7.16E-10	0.00	0.000003	1901
629274_4278811	629274	4278811	1.6E-05	1.89E-10	5.33E-10	0.00E+00	7.23E-10	0.00	0.000003	1902
629274_4278861	629274	4278861	1.7E-05	1.91E-10	5.38E-10	0.00E+00	7.29E-10	0.00	0.000003	1903
629274_4278911	629274	4278911	1.7E-05	1.92E-10	5.43E-10	0.00E+00	7.35E-10	0.00	0.000003	1904

A-5 Fuel and Energy Calculations

ARCO IS - Trips and VMT Summary

3.1 Site Preparation (2024) - Unmitigated

Location (Annual)	CO2e (MT/yr)
Off-road Equipment	0.78
Worker	0.05
Hauling	0.97
Vendor	0

3.3 Grading (2024) - Unmitigated

Location (Annual)	CO2e (MT/yr)
Off-road Equipment	2.5
Worker	0.1
Hauling	0
Vendor	0

3.5 Building Construction (2024) - Unmitigated

Location (Annual)	CO2e (MT/yr)
Off-road Equipment	78.2
Worker	0.59
Hauling	0
Vendor	0.88

3.7 Paving (2024) - Unmitigated

Location (Annual)	CO2e (MT/yr)
Off-road Equipment	1.87
Worker	0.42
Hauling	0
Vendor	0

3.9 Architectural Coating (2024) - Unmitigated

Location (Annual)	CO2e (MT/yr)
Off-road Equipment	0.3
Worker	0.01
Hauling	0
Vendor	0

Total CO2e from Haul and Vendor Trips:	1.85
Total CO2e from Worker Trips:	1.17
Total CO2e from Offroad Equipment:	83.65

ARCO IS - Project Fuel Use Calculations Project Construction

Diesel Emissions				
Offroad Equipment	83.65	MT		
Onroad (Haul & Vendor Trips)	1.85	MT		
Total Diesel Emissions	85.5	MT		
	1000	kg/MT		
Total CO2 Emissions	85500	kg		
Diesel fuel combustion rate	10.21	kg/gallon	Sacramento County Usage	Project Usage Percent
Diesel fuel consumption	8374.143	gallons	45000000	0.02
Gasoline Emissions				
Worker Trips	1.17	MT		
	1000	kg/MT		
Total Emissions	1170	kg		
Gasoline combustion rate	8.78	kg/gallon	Sacramento County Usage	Project Usage Percent
Gasoline consumption	133.2574	gallons	557000000	2.3924E-05

Note: (The Climate Registry, 2022) Combustion rates taken from The Climate Registry 2022 default emission factors (Table 2.1)

ARCO IS - Project Operational Energy Consumption

5.11.1 Unmitigated

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	107,170	375	0.0129	0.0017	0
Automobile Care Center	26,725	375	0.0129	0.0017	0
Parking Lot	18,447	375	0.0129	0.0017	0
Total	152342 (kWh/yr)				0 (kBTU/yr)

Appendix B
Biological Resources

TABLE B-1
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Plants			
Astragalus tener var. ferrisiae Ferris' milk-vetch	--/1B.1	Found in alkaline flats, and vernally moist meadow habitat. Blooms March–June. Found at elevations between 0 and 196 feet.	Unlikely. No suitable habitat present within project site.
Astragalus tener var. tener Alkali milk-vetch	--/1B.2	Found in alkaline soils in mesic playas, vernally most meadow habitat, and vernal pools. Blooms March–June. Found at elevations between 0 and 196 feet.	Unlikely. No suitable habitat present within project site.
Atriplex cordulata var. cordulata Heartscale	--/1B.2	Found in saline or alkaline soils, in chenopod scrub, meadows, seeps, and grasslands. Blooms April–October. Found at elevations between 0 and 1,850 feet.	Unlikely. No suitable habitat present within project site.
Atriplex depressa Brittlescale	--/1B.2	Found in alkaline, clay soils within chenopod scrub, meadow and seep, playa, grassland, and vernal pool habitats. Blooms April–October. Found at elevations between 0 and 1,100 feet.	Unlikely. No suitable habitat present within project site.
Cordylanthus palmatus Palmate-bracted salty bird's-beak	FE/SE/1B.1	Found in alkaline soils in chenopod scrub, and grassland habitats. Blooms May–October. Found at elevations between 15 and 525 feet.	Unlikely. No suitable habitat present within project site.
Downingia pusilla Dwarf downingia	--/2B.2	Found in grassland (mesic) and vernal pools. Blooms March–May. Found at elevations between 15 and 1,475 feet.	Unlikely. No suitable habitat present within project site.
Extriplex joaquinana San Joaquin spearscale	--/1B.2	Found in alkaline soils in chenopod scrub, meadow and seep, playa, and grassland habitats. Blooms April–October. Found at elevations 0 to 2,800 feet.	Unlikely. No suitable habitat present within project site.

Classifications:

- **Unlikely:** The project site and/or surrounding area do not support suitable habitat for a particular species, or the project site is outside of the species known range.
- **Low Potential:** The project site and/or immediate area only provide limited amounts and low quality habitat for a particular species. In addition, the known range for a particular species may be outside of the immediate project area.
- **Medium Potential:** The project site and/or immediate area provide suitable habitat for a particular species.
- **High Potential:** The project site and/or immediate area provide ideal habitat conditions for a particular species and/or known populations occur in immediate area and/or within the project site.

TABLE B-1
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Fritillaria agrestis Stinkbells	--/4.2	Found in clay, sometimes serpentinite soils in chaparral, cismontane woodland, pinyon and juniper woodland, and valley and foothill grassland. Found at elevations between 32 to 5,101 feet.	Unlikely. No suitable habitat present within project site.
Gratiola heterosepala Boggs Lake hedge-hyssop	--/SE, 1B.2	Found in clay soils in marshes and swamps, and vernal pools. Blooms April–August. Found at elevations 25 to 8,000 feet.	Unlikely. No suitable habitat present within project site.
Hibiscus lasiocarpos var. occidentalis Woolly rose-mallow	--/1B.2	Found in marshes and swamps, and often in riprap on the sides of levees. Blooms June–September. Found at elevations between 0 to 400 feet.	Unlikely. No suitable habitat present within project site.
Legenere limosa Legenere	--/1B.1	Found in vernal pools. Blooms April–June. Found at elevations between 0 and 2,900 feet.	Unlikely. No suitable habitat present within project site.
Lepidium latipes var.heckardii Heckard's pepper-grass	--/1B.2	Found in alkaline soils in vernal pool margins, salt marsh edges, and grasslands. Blooms March–May. Found at elevations between 0 and 675 feet.	Unlikely. No suitable habitat present within project site.
Puccinellia simplex California alkali grass	--/1B.2	Found in alkaline, vernally mesic sinks, flats, and lake margins in chenopod scrub, meadows, and seeps, valley, and foothill grassland, and vernal pools. Blooms March–May. Found at elevations between 6 and 3,051 feet.	Unlikely. No suitable habitat present within project site.
Sagittaria sanfordii Sanford's arrowhead	--/1B.2	Found in freshwater marshes and swamps. Blooms May–November. Found at elevations between 0 and 2,150 feet.	Unlikely. No suitable habitat present within project site.

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TABLE B-1
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Symphyotrichum lentum Suisun Marsh aster	--/1B.2	Found in freshwater and brackish marshes and swamps. Blooms April–November. Found at elevations 0 to 25 feet.	Unlikely. No suitable habitat present within project site.
Trifolium hydrophilum Saline clover	--/1B.2	Found in marshes and swamps, mesic and alkaline grasslands, and vernal pools. Blooms April–June. Found at elevations 0 to 1,000 feet.	Unlikely. No suitable habitat present within project site.
Invertebrates			
Branchinecta lynchi Vernal pool fairy shrimp	FT/--	Lifecycle restricted to vernal pools.	Unlikely. No suitable habitat present within project site.
Desmocerus californicus dimorphus Valley elderberry longhorn beetle	FT/--	Found only in the Central Valley of California, in association with blue elderberry (Sambucus nigra ssp. caerulea). Prefers to lay eggs in elderberries, 2-8 inches in diameter, some preference shown for “stressed” elderberries.	Unlikely. No suitable habitat (Sambucus nigra spp. caerulea) present within project site.
Lepidurus packardi Vernal pool tadpole shrimp	FE/--	Lifecycle restricted to vernal pools.	Unlikely. No suitable habitat present within project site.
Linderiella occidentalis California linderiella	--/SAL	Lifecycle restricted to vernal pools.	Unlikely. No suitable habitat present within project site.
Cicindela hirticollis abrupta	--/SAL	Lives on sandy soils near water, including sandy riverbanks and sand bars	Unlikely. No suitable habitat present within project site.

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TABLE B-1
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Sacramento Valley tiger beetle			
Bombus crotchii Crotch bumble bee	--/SAL	Found in shrubland and grassland	Unlikely. No suitable habitat present within project site.
Bombus occidentalis Western bumble bee	--/SAL	Found in Shrubland, grassland, and artificial/terrestrial habitats.	Unlikely. No suitable habitat present within project site.
Myrmosula pacifica Antioch multillid wasp	--/SAL	Little is known about this species life history.	Unlikely. No suitable habitat present within project site.
Birds			
Accipiter cooperii Cooper's hawk	--/WL	Found in woodland chiefly of open, interrupted, or marginal type. Nests mainly in riparian growths of deciduous trees, as in canyon bottoms on river floodplains. Also nests in live oaks. Forages in broken woodland habitat edges.	Unlikely. No suitable nesting present within the project site, and minimal suitable nesting and foraging habitat present adjacent to the project site.
Agelaius tricolor Tricolored blackbird	--/CC	Nests near freshwater, preferably in emergent wetland with tall, dense vegetation, but also in thickets of willow, blackberry, wild rose, and tall herb; forages in grassland and cropland habitats.	Unlikely. No suitable nesting habitat present within or adjacent to the project site.
Ardea herodias Great blue heron	--/SAL	Colonial nester in tall trees, cliff sides, and sequestered spots on marshes. Rookery sites near foraging areas: marshes, lake margins, tidal flats, rivers and streams, and wet meadows.	Low. No suitable nesting habitat present within or adjacent to the project site. Suitable foraging habitat present in East Drainage Canal immediately adjacent to the project site. This species was not observed during the reconnaissance survey.

Classifications:

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TABLE B-1
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Athene cunicularia Burrowing owl	--/SSC	Forages in open plains, grasslands, and prairies; typically nests in abandoned small mammal burrows.	Medium. Suitable habitat present within project site. Additionally, burrowing owls have been observed along the East Drainage Canal immediately adjacent to the project site.[98] This species was not observed during the reconnaissance survey.
Buteo swainsoni Swainson's hawk	--/ST	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	Low. Low-quality, limited nesting habitat is present in trees within 500 feet of the project site. Species requires nesting trees be located within easy flying distance between foraging areas and nest sites. Habitats within 0.5-mile of the project site are primarily urban. Grassland within the project site provides limited, low-quality habitat. Higher quality habitat is located in agricultural and open areas north of the community of Natomas, and east of the project site along the Sacramento River. The closest recorded Swainson's hawk occurrence is located approximately one mile southwest of the project site but is presumed possibly extirpated according to CDFW.
Charadrius alexandrinus nivosus Western snowy plover	FT/SSC	Nests and forages in barren to sparsely vegetated beaches and dry mud or sand flats on margins of rivers, lakes, and ponds.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Charadrius montanus Mountain plover	--/SSC	Short grasslands, agricultural fields, and sagebrush areas, avoids high and dense cover. Forages on the ground. Feeds on large insects, especially grasshoppers. Does not nest in California.	Low. Foraging habitat for this species present within the project site, however project site is isolated from other potential foraging areas. No CNDDB records of this species in

[98] California Natural Diversity Database (CNDDB), 2023.

Classifications:

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TABLE B-1
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
			the vicinity of the project site[99].This species was not observed during the reconnaissance survey.
Coccyzus americanus occidentalis Western yellow-billed cuckoo	FT/SE	Densely foliaged, valley foothill, desert, deciduous riparian thickets or forest habitats with dense, low-level or understory foliage which abut on slow-moving watercourses, backwaters, or seeps.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Egretta thula Snowy egret	--/SAL	Forages in shallow water or along shores of wetlands or aquatic habitats. Nests in dense marshes and low trees.	Low. No suitable nesting habitat present within or adjacent to the project site. Suitable foraging habitat present in East Drainage Canal immediately adjacent to the project site. This species was not observed during the reconnaissance survey.
Elanus leucurus White-tailed kite	--/FP	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	Low. Low-quality, limited nesting habitat is present in trees within 500 feet of the project site. Species rarely found away from natural and agricultural areas. Habitats within 0.5-mile of the project site are primarily urban. Grassland within the project site provides limited, low-quality habitat. Higher quality habitat is located in agricultural and open areas north of the community of Natomas, and east of the project site along the Sacramento River. The closest record of occurrence is located approximately two miles northeast near Dry Creek.
Falco columbarius Merlin	--/WL	Forages primarily along coastlines, open grasslands, savannahs, woodlands, lakes, wetlands, edges, and early successional stages. Does not breed in California.	Low. Project site is outside the nesting range of this species. Suitable foraging habitat present within the project area.

[99] California Natural Diversity Database (CNDDB), 2023. Available:https://apps.wildlife.ca.gov/rarefind/view/RareFind.aspx Accessed: Feb 15, 2023.

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TABLE B-1
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA

Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Laterallus jamaicensis coturniculus California black rail	--/ST, FP	Nests and forages in coastal salt marsh and brackish marsh.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Melospiza melodia Song sparrow ("Modesto" population)	--/SSC	Nest in emergent freshwater marshes dominated by tule (Schoenoplectus spp.) and cattail (Typha spp.) as well as riparian willow (Salix spp.) thickets. Also nest in riparian forests of valley oak (Quercus lobata) with a sufficient understory of blackberry (Rubus spp.), along vegetated irrigation canals and levees, and in recently planted valley oak restoration sites.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Nycticorax nycticorax Black-crowned night heron	--/SAL	Forages during night and twilight hours in shallow water. Nests in dense-foliaged trees, dense, fresh, or brackish emergent wetlands, or dense shrubbery or vine tangles, usually near aquatic or emergent feeding areas.	Low. Low-quality, limited nesting habitat is present in trees within 500 feet of the project site. Suitable foraging habitat present in East Drainage Canal immediately adjacent to the project site. This species was not observed during the reconnaissance survey.
Progne subis Purple martin	--/SSC	Found in valley foothill and montane hardwood, valley foothill and montane hardwood-conifer, and riparian habitats. Nests exclusively under bridges in Sacramento.	Low. No suitable nesting habitat present within or adjacent to the project site. Truxel Road bridge over the East Drainage Canal does not contain weep holes likely to support purple martins. However, multiple purple martin occurrences have been recorded in CNDDB within five miles of the project site[100].
Riparia riparia Bank swallow	--/ST	Colonial nester; nest primarily in riparian and other lowland habitats west of the desert. Requires vertical banks/cliffs with	Unlikely. No suitable breeding habitat present within or adjacent to the project site.

[100] California Natural Diversity Database (CNDDB), 2023. Available:https://apps.wildlife.ca.gov/rarefind/view/RareFind.aspx Accessed: Feb 15, 2023.

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		fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting hole.	
Vireo bellii pusillus Least Bell's vireo	FE/SE	Nests in lowland, willow-dominated, dense riparian habitat through the Sacramento and San Joaquin Valleys.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Reptiles			
Emys marmorata Western pond turtle	--/SSC	Found in permanent or nearly permanent water in a wide variety of habitat types, including permanent ponds, lakes, streams, irrigation ditches, or permanent pools along intermittent streams. Species requires basking sites such as partially submerged logs, rocks, mats of floating vegetation, or open mud banks.	Low. No suitable habitat present within project site. Suitable habitat present adjacent to the project site in the East Drainage Canal; however, no western pond turtle populations are known to occur within five miles of the project site.[101]
Spea hammondii Western spadefoot	--/SSC	Found seasonally in grasslands, prairies, chaparral, and woodlands, in and around wet sites. Breeds in shallow, temporary pools formed by winter rains. Takes refuge in burrows.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site. There are no recorded occurrences in the Natomas Basin.[102]
Thamnophis gigas Giant garter snake	FT/ST	Found in marshes, sloughs, and irrigation canals/ditches, less with slow-moving creeks, and absent from larger rivers. Species is extremely aquatic and is rarely found away from water, and forages in water for food. Young are born in secluded sites, such as loose bark of rotting logs, dense vegetation, or crevices of rocky shorelines. Species basks on emergent vegetation such	Low. Marginal suitable habitat presents in the East Drainage Canal adjacent to the project site. While this canal may support transient giant garter snake on a temporary basis, the canal is over 700 feet from the site. Due to the project site not having any other habitat, impacts on giant garter snakes should be less than significant.

[101] California Natural Diversity Database (CNDDB), 2023. Available:https://apps.wildlife.ca.gov/rarefind/view/RareFind.aspx Accessed: Feb 15, 2023.

[102] Sacramento and Sutter Counties, and Natomas Basin Conservation, 2003 (April). Natomas Basin Habitat Conservation Plan. Prepared for U.S. Fish and Wildlife Service and California Department of Fish and Wildlife. Sacramento, CA

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Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
		as cattails or tules. Takes refuge in mammal burrows, or piles of vegetation.	
Mammals			
Antrozous pallidus Pallid bat	--/SSC	Roosts in caves, crevices, mines, hollow trees, and buildings. Found in a wide variety of habitats, including grasslands, shrub lands, woodlands, and forests. Prefers open, dry habitats with rocky areas for roosting.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Lasiurus blissevillii Western red bat	--/SSC	Roosts in mixed conifer forests, prefers habitat edges and mosaics with trees that are protected from above and open below, forages within grasslands, shrub lands, open woodlands and forests, and croplands.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Lasiurus cinerecus Horay bat		Roosts in dense foliage of medium to large trees. Preferred sites are hidden from above, with few branches below.	Unlikely. No suitable roosting habitat present within or adjacent to the project site.
Taxidea taxus American badger	--/SSC	Most abundant in drier open stage of most shrub, forest, and herbaceous habitats, with friable soils. Use dense vegetation and rocky areas for cover and den sites. Prefer forest interspersed with meadows or alpine fell-fields.	Unlikely. No suitable foraging or breeding habitat present within or adjacent to the project site.
Natural Plant Communities			
Elderberry Savanna		Natural Community	Not present.
Great Valley Cottonwood Riparian Forest		Natural Community	Not present.
Great Valley Mixed Riparian Forest		Natural Community	Not present.

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Species	Status Federal/ State/CNPS	Suitable Habitat	Potential for Occurrence within Project Area
Northern Claypan Vernal Pool		Natural Community	Not present.
Northern Hardpan Vernal Pool		Natural Community	Not present.
Fish			
Acipenser medirostris North American green sturgeon, Southern DPS	FT/SSC	Adults found in coastal waters from Canada to Mexico. Requires cold, freshwater streams with suitable gravel for spawning, rears in seasonally inundated floodplains, rivers, tributaries, and Delta	**Unlikely**. No suitable habitat present within or adjacent to the project site.
Archoplites interruptus Sacramento perch	--/SSC	Historically found in the sloughs, slow-moving rivers, and lakes of the central valley. Prefers warm water. Aquatic vegetation is essential for young. Tolerates wide range of physio-chemical water conditions.	Unlikely. No suitable habitat present within or adjacent to the project site.
Ochorhynchus mykiss irideus Steelhead – Central Valley DPS	FT/--	This ESU enters the Sacramento and San Joaquin Rivers and their tributaries from July to May; spawning from December to April. Young move to rearing areas in and through the Sacramento and San Joaquin Rivers, Delta, and San Pablo and San Francisco Bays.	Unlikely. No suitable habitat present within or adjacent to the project site.
Oncorhynchus tshawytscha Chinook salmon – Central Valley spring-run ESU	FT/ST	This ESU enters the Sacramento and San Joaquin Rivers and tributaries March to July; spawning from late August to early October. Young move to rearing areas in and through the Sacramento and San Joaquin Rivers, Delta, and San Pablo and San Francisco Bays.	Unlikely. No suitable habitat present within or adjacent to the project site.

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Oncorhynchus tshawytscha Chinook salmon – Sacramento River winter-run ESU	FE/SE	This ESU enters the Sacramento River December to May; spawning peaks May and June. Upstream movement occurs more quickly than in spring run population. Young move to rearing areas in and through the Sacramento River, Delta, and San Pablo and San Francisco.	Unlikely. No suitable habitat present within or adjacent to the project site.
Pogonichthys macrolepidotus Sacramento splittail	--/SSC	Endemic to the lakes and rivers of the Central Valley, but now confined to the delta, Suisun Bay & associated marshes. Slow moving river sections, dead end sloughs. Requires flooded vegetation for spawning & foraging for young.	Unlikely. No suitable habitat present within or adjacent to the project site.
Spirinchus thaelichthys Longfin smelt	FC/ST	Euryhaline, nektonic & anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column. Prefer salinities of 15-30 ppt, but can be found in completely freshwater to almost pure seawater.	Unlikely. No suitable habitat present within or adjacent to the project site.
Thaleichthys pacificus Eulachon – Southern DPS	FT/--	Moves in from ocean in to natal stream to spawn from late winter to mid-spring.	Unlikely. No suitable habitat present within or adjacent to the project site.

STATUS CODES:
Federal
FE = Endangered
FT = Threatened
FC = Candidate

State
SE = Endangered
ST = Threatened
FP = Fully Protected
CC = State Candidate Species
SSC = (CA) Department of Fish and Wildlife Species of Special Concern
WL=Watch List
SAL=Special Animals List
California Rare Plant Ranks (CRPR):

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			Rank 1A = Plants presumed extinct in California Rank 1B = Plants rare, threatened, or endangered in California and elsewhere Rank 2A = Plants presumed extirpated in California, but more common elsewhere Rank 2B = Plants rare, threatened, or endangered in California, but more common elsewhere Rank 4 = Plants with limited distribution or infrequent throughout a broader area in California, and their status should be monitored regularly. An extension reflecting the level of threat to each species is appended to each rarity category as follows: .1 – Seriously threatened in California .2 – Fairly threatened in California .3 – Not very threatened in California

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