APPENDIX C

Air Quality Report

Air Quality Analysis for the Otay Mesa Community Plan Update, City of San Diego Project No. 30330/304032 SCH No. 2004651076

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1: CalEEMod Output Files
2: EMFAC2011 Emissions Data Sheets
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Acronyms

°F	degrees Fahrenheit
$\mu g/m^3$	micrograms per cubic meter
AAQS	Ambient air quality standards
AASHTO	America Association of Highway and Transportation
AB	Assembly Bill
ADT	average daily traffic
ATCM	airborne toxic control measure
AQIP	Air Quality Improvement Program
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CASAC	Clean Air Scientific Advisory Committee
CARB	California Air Resources Board
CCR	California Code Regulation
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	carbon monoxide
CPU	Community Plan Update
CPV	cancer potency values
DBR	Daily breathing rate
DERA	Diesel Emission Reduction Act
DPM	diesel-exhaust particulate matter
EI	Expansion Index
FR	Federal Register
I-5	Interstate 5
ISC	Industrial Source Complex
LDC	Land Development Code
LOS	level of service
MCAS	Marine Corps Air Station
MEI	maximally exposed individual
MEIR	maximally exposed individual resident
MEIW	maximally exposed individual worker
mgd	million gallons per day
mg/kg-d	milligrams of dose per kilogram of body weight each day
MSL	mean sea level
NAAQS	national ambient air quality standards
NO_2	nitrogen dioxide
NWS	National Weather Service
o_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
PM_{10}	particulate matter with an aerodynamic diameter of 10 microns or less
$PM_{2.5}$	particulate matter with an aerodynamic diameter of 2.5 microns or less
PMI	point of maximum impact
POE	Port of Entry
ppb	parts per billion
pphm	parts per hundred million
ppm	parts per million
RAQS	Regional Air Quality Strategy
REL	Reference Exposure Level

ROG	reactive organic gas
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SIP	State Implementation Plan
SR	State Route
TAC	toxic air contaminant
TCM	Transportation Control Measures
USC	United States Code
U.S. EPA	United States Environmental Protection Agency
VOC	volatile organic compound

1.0 Summary

This report evaluates potential local and regional air quality impacts associated with the Otay Mesa Community Plan Update (CPU). The Otay Mesa community planning area is located in the southern portion of the City of San Diego. This report evaluates potential local and regional air quality impacts by comparing the existing air pollutant emissions in Otay Mesa to the future emissions associated with the proposed land use plan for the CPU. This report also evaluates potential carbon monoxide (CO) hotspots associated with three intersections in the Otay Mesa community.

1.1 Consistency with Regional Plans

The San Diego Air Basin (SDAB) is a federal and state nonattainment area for ozone, and ozone is addressed in the Regional Air Quality Strategy (RAQS). Because the growth projections are based on the adopted community plan land uses, and because the CPU would result in less emissions than the adopted community plan, it can be concluded that these emissions were accounted for in the development of the RAQS, and the CPU would be consistent with the RAQS. Therefore, the CPU land use changes would be consistent with the adopted air quality plans.

1.2 Criteria Pollutants

Total future emissions under the adopted community plan and CPU are projected to be greater than existing emissions. This is due to the increase in development associated with buildout of the various plans. Total future emissions under the adopted community plan are projected to be greater than total emissions under the CPU for all pollutants. This is due to the decrease in development intensity under the CPU when compared to the adopted community plan. While identified regulations would reduce emissions and may preclude many potential impacts, as no project specific data is available at this time air emissions from the future developments within the CPU area cannot be adequately quantified, this impact would be significant. Implantation of the mitigation framework identified in Section 9.0 would reduce these impacts, but not to a level less than significant.

1.3 CO Hotspots

The hot spot analysis indicates that the increases of CO due to the CPU would be below the federal and state standards. Therefore, there would be no harmful concentrations of

CO and localized air quality emissions would not exceed applicable standards under either the adopted community plan or the CPU.

1.4 Diesel Particulate Matter

The health risk analysis indicates that the carcinogenic risks associated with operations would be less than 10 in a million within the project area; thus, this impact would be less than significant. The analysis also indicates that the non-carcinogenic risks are measured to have a maximum chronic hazard index below the significance threshold of 1.0. Chronic risks resulting from diesel particulate matter emissions are not projected to be significant.

1.5 Stationary Sources

The CPU would permit industrial development in the community and it is possible that industries that generate air pollutants would be developed within these areas. Without appropriate controls, air emissions associated with planned industrial uses would represent a significant adverse air quality impact. Implementation of the mitigation outlined in Section 9.0 below would require an emissions inventory and health risk assessment in accordance with Assembly Bill (AB) 2588, and would ensure that risks would be reduced to a level less than significant.

1.6 Collocation

There are several areas where residential and other sensitive uses would be placed adjacent to industrial and commercial uses. The CARB and APCD provide guidance on siting land uses to avoid health risks and avoid nuisances. Sensitive receptors located within the buffer distances of the facilities indicated below would be exposed to toxic air emissions. Implementation of the mitigation outlined in Section 9.0 below would ensure that risks would be reduced to a level less than significant.

1.7 Odors

The CPU does not propose any specific new sources of odor that could affect sensitive receptors. Impacts associated with odors are anticipated to be less than significant.

2.0 Introduction and Project Description

The CPU would update the adopted 1981 Otay Mesa Community Plan. The purpose of this report is to assess potential short- and long-term local and regional air quality impacts resulting from the CPU.

Air pollution affects all southern Californians. Effects can include the following:

- Increased respiratory infections
- Increased discomfort
- Missed days from work and school
- Increased mortality

Polluted air also damages agriculture and our natural environment.

The CPU area is located within the SDAB, one of 15 air basins that geographically divide the state of California. The SDAB is currently classified as a federal non-attainment area for ozone and a state non-attainment area for particulate matter less than 10 microns (PM_{10}), particulate matter less than 2.5 microns ($PM_{2.5}$), and ozone.

Air quality impacts can result from the construction and operation of a project. Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from growth-inducing development or local hot-spot effects stemming from sensitive receivers being placed close to highly congested roadways.

The analysis of impacts is based on state and federal ambient air quality standards and is assessed in accordance with the guidelines, policies, and standards established by the City of San Diego and the San Diego Air Pollution Control District (SDAPCD). Project compatibility with the adopted air quality plan for the area is also assessed. Measures are recommended, as required, to reduce potentially significant impacts.

2.1 Project Description

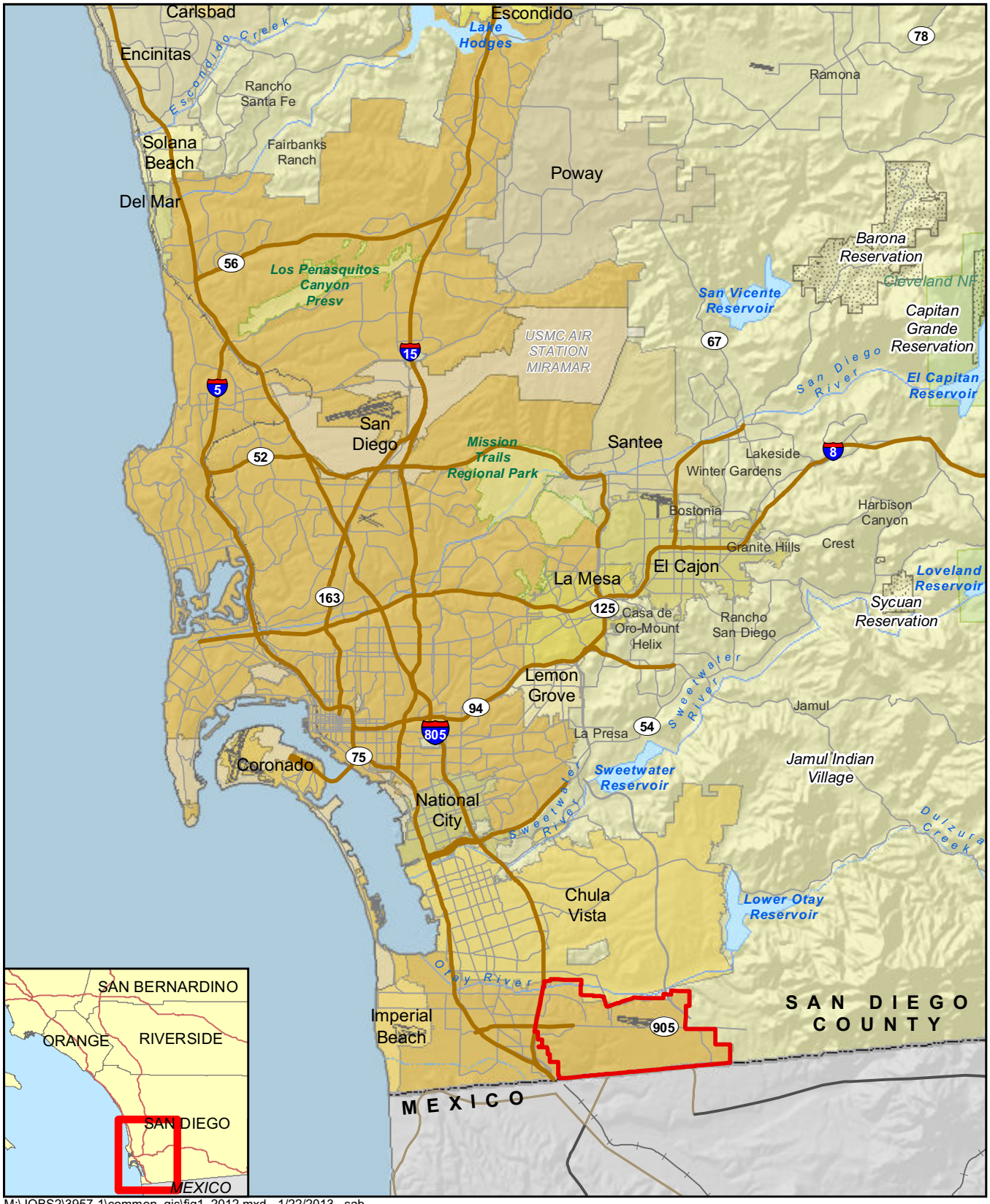
The CPU is an update to the adopted 1981 Otay Mesa Community Plan. The CPU provides goals and policies for future development within the project area. Approval of the CPU amends the General Plan. The concurrent Rezone would rescind the Otay Mesa Development District and update zoning regulations within the CPU area. Amendments to the Land Development Code (LDC) also would be required to create

implementing zones for proposed commercial and industrial land use designations under the CPU.

Approval of the CPU would establish land use designations and policies to guide future development consistent with the City's General Plan (2008). The CPU expresses the General Plan policies through the provision of more site-specific recommendations.

The CPU includes nine elements based on those promulgated in the City's General Plan, with goals and policies for each. The nine elements are: Land Use; Mobility; Urban Design; Economic Prosperity; Public Facilities, Services, and Safety; Recreation; Conservation; Noise; and Historic Preservation. Procedures for implementation of the goals and policies are also set forth.

Figure 1 shows the regional location of the CPU area. Figure 2 shows an aerial photograph of the CPU area and vicinity. Figure 3 shows the adopted land uses within the CPU area. The CPU area is bounded by the City of Chula Vista (north), I-805 (west), International Border (south), and unincorporated San Diego County (east).



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Otay Mesa Community Plan Boundary

FIGURE 1

Regional Location of
Otay Mesa Community Plan Area

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0 Feet 3,000

Otay Mesa Community Plan Boundary
Not A Part

Air Quality Monitoring Station

Donovan
Otay Mesa-Paseo International

FIGURE 2

Aerial Photograph of CPU Area and Vicinity

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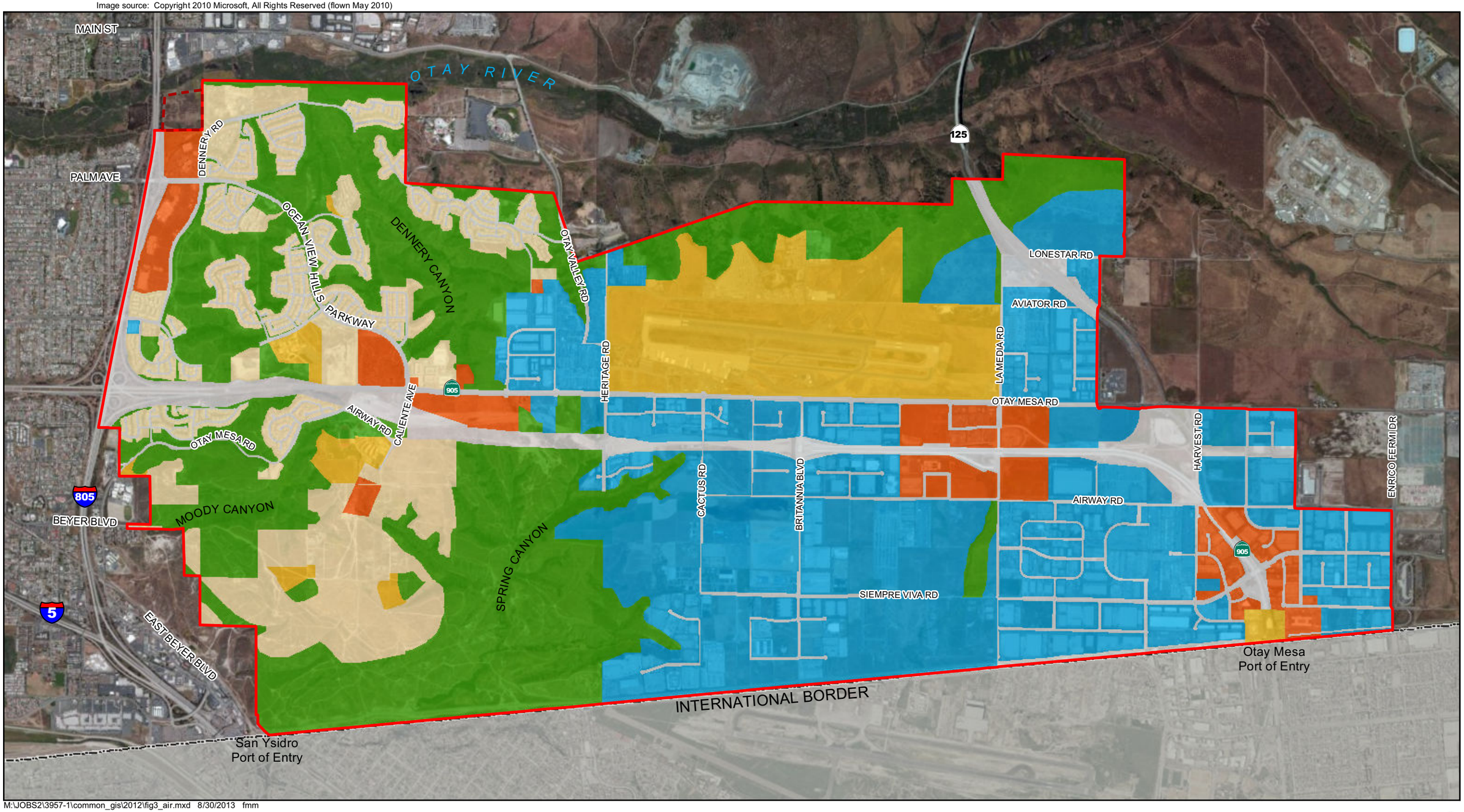

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Otay Mesa Community Plan Boundary
Not A Part

General Plan Land Use (2008)

Commercial Employment, Retail, & Services
Industrial Employment
Institutional & Public and Semi-Public Facilities
Park, Open Space, & Recreation
Residential
Roads / Freeways / Transportation

FIGURE 3

Adopted Otay Mesa Community Plan Land Use Map

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2.2 Development Summary

The CPU encompasses a broad range of the land use designations defined in the General Plan and contains a more detailed description and distribution of land uses than the citywide General Plan. Land uses include residential with a variety of density ranges, village centers, commercial, industrial, open space, parks, and institutional. The existing adopted community plan and CPU land use distributions are summarized in Table 1. Figure 4 shows the CPU land uses.

TABLE 1
OTAY MESA LAND USE DISTRIBUTION

Land Use	Adopted Community Plan	CPU
Open Space	2,570 acres	2,748 acres
Residential	1,269 acres/12,400 du	757 acres/7,648 du
Commercial	452 acres	316 acres
Village Area		
Residential	0 acres	695 acres/11,126 du
Mixed Use	0 acres	30 acres
Industrial	2,839 acres	2,426 acres
Institutional	1,027 acres	1,165 acres
Parks	64 acres	161 acres
Right-of-Way	1,098 acres	1,021 acres
TOTAL	9,319 acres/12,400 du	9,319 acres/18,774 du

du = dwelling units

Five districts interconnected through activities and infrastructure would help to organize and form the community of Otay Mesa. The districts include:

- Northwest District, which generally is comprised of the existing development in the northwestern portion of Otay Mesa and which comprises the seven Precise Plan area neighborhoods: California Terraces, Dennery Ranch, Hidden Trails, Remington Hills, Riviera del Sol, Robinhood Ridge, and Santee Investments.

- Southwest District, which includes the area south of State Route 905 (SR-905) and west of Spring Canyon. This district would be primarily residential in nature, with a core mixed-use center including civic, and neighborhood-serving commercial uses and services.

- Central District, which generally is the land along the Airway Road corridor. The Central District would be comprised of three primary land uses: Central Village, Grand Park, and Education Complex.

- Airport District, which generally is Brown Field and industrial land surrounding the airport.

- South District, which includes the existing port of entry (POE) and the uses that are intended to support the international business and trade uses that are necessary for the movement of goods across the border.

3.0 Regulatory Framework

Motor vehicles are San Diego County's leading source of air pollution and the largest contributor to greenhouse gases (County of San Diego 2008). In addition to these sources, other mobile sources include construction equipment, trains, and airplanes. Emission standards for mobile sources are established by state and federal agencies, such as the California Air Resources Board (CARB) and the United States Environmental Protection Agency (U.S. EPA). Reducing mobile source emissions requires the technological improvement of existing mobile sources and the examination of future mobile sources, such as those associated with new or modification projects (e.g., retrofitting older vehicles with cleaner emission technologies). The state of California has developed statewide programs to encourage cleaner cars and cleaner fuels. Since 1996, smog-forming emissions from motor vehicles have been reduced by 15 percent, and the cancer risk from exposure to motor vehicle air toxics has been reduced by 40 percent (County of San Diego 2008). The regulatory framework described below details the federal and state agencies that are in charge of monitoring and controlling mobile source air pollutants and the measures currently being taken to achieve and maintain healthful air quality in the SDAB.

In addition to mobile sources, stationary sources also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources of air pollution are regulated by the local air pollution control or management district, in this case the SDAPCD.

The state of California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. Areas within each air basin are considered to share the same air masses and, therefore, are expected to have similar ambient air quality.

If an air basin is not in either federal or state attainment for a particular pollutant, the basin is classified as a moderate, serious, severe, or extreme non-attainment area for that pollutant (there is also a marginal classification for federal non-attainment areas). Once a non-attainment area has achieved the air quality standards for a particular pollutant, it may be redesignated to an attainment area for that pollutant. To be redesignated, the area must meet air quality standards and have a 10-year plan for continuing to meet and maintain air quality standards, as well as satisfy other requirements of the Clean Air Act. Areas that are redesignated to attainment are called maintenance areas.

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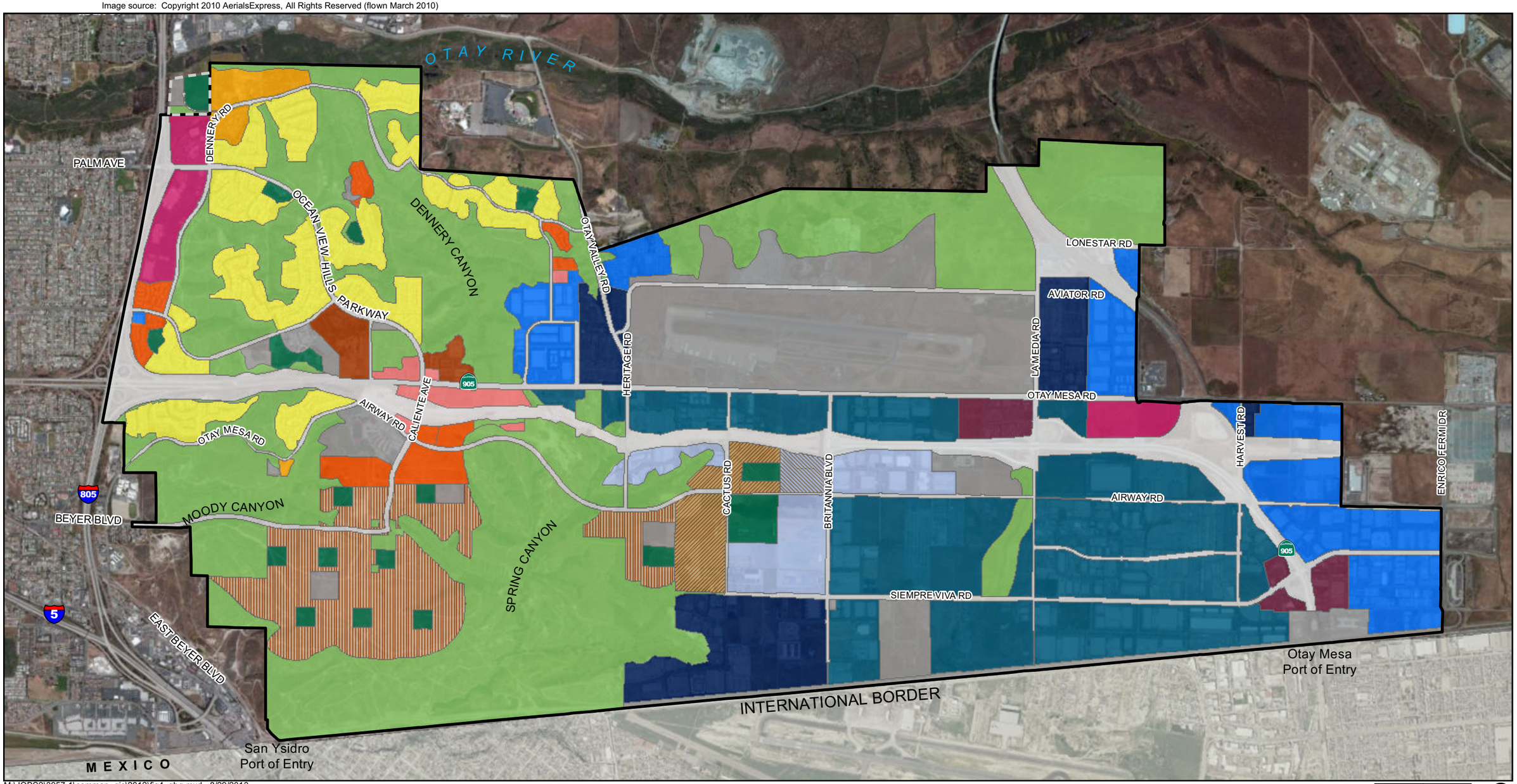

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Otay Mesa Community Plan Boundary
Not A Part

Proposed Land Use Plan

Open Space, Parks, Institutional
- Open Space
- Parks
- Institutional

Village Centers
- Community Village
- Neighborhood Village

Residential
- Low
- Low Medium
- Medium
- Medium High

Commercial - Residential Prohibited
- Community Commercial
- Regional Commercial
- Heavy Commercial

Industrial
- Business Park - Office Permitted
- Business and International Trade
- Light Industrial
- Heavy Industrial
- Business Park - Residential Permitted

Other
- Right-of-Way

FIGURE 4
Proposed CPU Land Use

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3.1 Federal Regulations

Ambient Air Quality Standards (AAQS) represent the maximum levels of background pollution considered safe, with an adequate margin of safety, to protect the public health and welfare. The federal Clean Air Act (CAA) was enacted in 1970 and amended in 1977 and 1990 [42 United States Code (USC) 7401] for the purposes of protecting and enhancing the quality of the nation's air resources to benefit public health, welfare, and productivity. In 1971, in order to achieve the purposes of Section 109 of the CAA [42 USC 7409], the U.S. EPA developed primary and secondary national ambient air quality standards (NAAQS).

Six criteria pollutants of primary concern have been designated: ozone (O_3), carbon monoxide, sulfur dioxide (SO_2), nitrogen dioxide (NO_2), lead (Pb), and respirable particulate matter (PM_{10} and $PM_{2.5}$). The primary NAAQS ". . . in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health . . . " and the secondary standards ". . . protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air" [42 USC 7409(b)(2)]. The primary NAAQS were established, with a margin of safety, considering long-term exposure for the most sensitive groups in the general population (i.e., children, senior citizens, and people with breathing difficulties). The NAAQS are presented in Table 2 (State of California 2012a).

Ozone (O^3)

In 1997, the U.S. EPA promulgated a new 8-hour ozone standard of eight parts per hundred million (pphm) to replace the existing 1-hour standard of 12 pphm. On June 15, 2004, that portion of the SDAB containing the project site was designated a "basic" non-attainment area for the 1997 8-hour ozone standard under Subpart 1 of Part D of the CAA. Per the U.S. EPA's final Phase 1 rule for implementing the 1997 8-hour ozone standard, the 1-hour ozone standard was to be revoked "in full, including the associated designations and classifications, one year following the effective date of the designations for the 8-hour NAAQS [for ozone]" (69 Federal Register [FR] 23951). As such, the 1-hour ozone standard was revoked in the SDAB on June 15, 2005. Requirements for transitioning from the 1-hour to 8-hour ozone standard are described in the final rule.

However, because of subsequent litigation concerning the Phase 1 implementation rule, the provisions of the 1997 8-hour ozone standard Phase 1 implementation rule that placed 8-hour ozone non-attainment areas under Subpart 1, Part D, Title I of the CAA instead of Subpart 2 were vacated. Consequently, on January 16, 2009, it was proposed that the SDAB be classified as "moderate" non-attainment for the 1997 8-hour ozone standard under Subpart 2 (U.S. EPA 2009a). Under Subpart 2, consistent with

TABLE 2
AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards[1]		Federal Standards[2]		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m^3)		0.075 ppm (147 µg/m^3)		
Respirable Particulate Matter (PM_{10})	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		–		
Fine Particulate Matter ($PM_{2.5}$)	24 Hour	No Separate State Standard		35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	15 µg/m^3		
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-dispersive Infrared Photometry	35 ppm (40 mg/m^3)	–	Non-dispersive Infrared Photometry
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	–	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		–	–	
Nitrogen Dioxide (NO_2)[8]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemi-luminescence	100 ppb (188 µg/m^3)	–	Gas Phase Chemi-luminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		53 ppb (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[9]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	–	Ultraviolet Fluorescence; Spectro photometry (Pararosaniline Method)
	3 Hour	–		–	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[9]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[9]	–	
Lead[10,11]	30 Day Average	1.5 µg/m^3	Atomic Absorption	–	–	High Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m^3 (for certain areas)[11]	Same as Primary Standard	
	Rolling 3-Month Average	–		0.15 µg/m^3		
Visibility Reducing Particles[12]	8 Hour	See footnote[12]	Beta Attenuation and Transmittance through Filter Tape	No Federal Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chroma-tography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[10]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chroma-tography			

See footnotes on next page.

SOURCE: State of California 2012.

TABLE 2
AMBIENT AIR QUALITY STANDARDS
(continued)

ppm = parts per million; ppb = parts per billion; µg/m^3 = micrograms per cubic meter; – = not applicable.

[1]California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[2]National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

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

[4]Any equivalent measurement method which can be shown to the satisfaction of the Air Resources Board to give equivalent results at or near the level of the air quality standard may be used.

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

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

[7]Reference method as described by the U.S. EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the U.S. EPA.

[8]To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national standards are in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national standards to the California standards the units can be converted from ppb to ppm. In this case, the national standards of 53 ppb and 100 ppb are identical to 0.053 ppm and 0.100 ppm, respectively.

[9]On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[10]The ARB has identified lead and vinyl chloride as ‘toxic air contaminants’ with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

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

[12]In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are “extinction of 0.23 per kilometer” and “extinction of 0.07 per kilometer” for the statewide and Lake Tahoe Air Basin standards, respectively.

Section 182 of the CAA, the period of attainment for areas designated as moderate non-attainment will be no more than six years from the effective date of designation (U.S. EPA 2009a). Because the effective date of designation for the 1997 8-hour ozone standard was June 15, 2004, attainment of the 1997 8-hour ozone standard for the SDAB was to occur by June 15, 2010. To date this has not occurred.

On March 12, 2008, the U.S. EPA revised the 8-hour ozone standard to 7.5 pphm. On March 12, 2009, CARB submitted its recommendations for area designations for the revised federal 2008 8-hour ozone standard. The recommendations were based on ozone measurements collected during 2006 through 2008. It was recommended that the SDAB be classified as non-attainment for the revised standard. The U.S. EPA was required to issue final area designations no later than March 2010. However, there was insufficient information to make these designations and the U.S. EPA extended the deadline to March 2011. California must then submit a State Implementation Plan (SIP) outlining how the state will meet the 2008 standards by a date that U.S. EPA will establish in a separate rule. That date will be no later than three years after U.S. EPA's final designations. The deadline for attaining the standard may vary based on the severity of the problem in the area.

Criticism of the standards proposed in March 2008 resulted in the reconsideration of those standards by the U.S. EPA. On January 16, 2010, the U.S. EPA again proposed revision of the 8-hour ozone standards. The U.S. EPA proposed to set the primary standard at a level ranging between 6 and 7 pphm. The U.S. EPA also proposed establishing a distinct cumulative, seasonal "secondary" standard, designed to protect sensitive vegetation and ecosystems, including forests, parks, wildlife refuges and wilderness areas. The U.S. EPA proposed to set the secondary standard at a level within the range of 7–15 parts per million-hours (ppm-hours).

The U.S. EPA was to issue final standards by August 31, 2010, but to date this has not occurred. Rather, on December 8, 2010, the U.S. EPA Administrator asked the Clean Air Scientific Advisory Committee (CASAC) for further interpretation of the epidemiological and clinical studies used to make their recommendation. On January 26, 2011, the U.S. EPA provided "charge questions" to the CASAC regarding the reconsideration of the 2008 ozone standards. The U.S. EPA reviewed the additional input CASAC provided and set the final 8-hour ozone standard to 0.070 ppm in July 2011. On September 2, 2011, the U.S. EPA was directed to withdraw the draft ozone NAAQS. Therefore, the U.S. EPA will continue to implement the standards set during the previous administration while the ongoing five-year review of the updated science continues, which is scheduled to be completed in 2013.

The SDAB has recently attained the 1997 ozone standard and CARB is now in the process of filing a petition to the U.S. EPA to redesignate the region.

PM_{10} and $PM_{2.5}$

The SDAB is unclassified for the federal PM_{10} standard and classified as an attainment area for the federal $PM_{2.5}$ standard (State of California 2012). On September 21, 2006, the U.S. EPA revised the NAAQS for particulate matter. The 24-hour $PM_{2.5}$ standard was strengthened from 65 micrograms per cubic meter (µg/m^3) to 35 µg/m^3. The existing standard for annual $PM_{2.5}$ of 15 µg/m^3 remained the same. The SDAB is classified as an attainment area for the new federal 24-hour $PM_{2.5}$ standard (U.S. EPA 2009b).

The U.S. EPA also revised the standard for PM_{10}. Due to a lack of evidence linking health problems to long-term exposure to coarse particle pollution, the agency revoked the annual PM_{10} standard (effective December 17, 2006), retaining only the existing 24-hour standard.

Sulfur Dioxide (SO_2)

The SDAB is a federal attainment area for sulfur dioxide. On June 2, 2010, the U.S. EPA established a new 1-hour SO_2 standard, effective August 23, 2010. The revised standards are based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The U.S. EPA also revoked both the existing 24-hour SO_2 standard of 0.14 ppm and the annual primary SO_2 standard of 0.030 ppm, effective August 23, 2010. The secondary SO_2 standard was not revised at that time, but is undergoing a separate review by the U.S. EPA. In June 2012, it was recommended that all California counties be designated as attainment for the new standard. Areas designated as attainment are required to submit maintenance plans by June 2013.

Nitrogen Dioxide (NO_2)

All areas of the state, including the SDAB, are either unclassified or in attainment of the federal nitrogen dioxide standards. On January 22, 2010, the U.S. EPA strengthened the 1-hour NO_2 standard to 100 parts per billion (ppb) based on the 3-year average of the 98th percentile of the annual distribution of daily maximum 1-hour average concentrations. The annual NO_2 standard of 53 ppb remained unchanged. In January 2012, the U.S. EPA determined that no area in the country is violating the 2010 standards. To determine compliance with the standard, the new NO_2 rule also establishes a new ambient air monitoring network and reporting requirements. Once the expanded network of NO_2 monitors is fully deployed and three years of air quality data have been collected, U.S. EPA intends to redesignate areas in 2016 or 2017, as appropriate, based on the air quality data from the new monitoring network.

Lead (Lb)

The SDAB is an attainment area for the federal lead standard. In 2008, the EPA revised the primary standard for lead from 1.5 µg/m^3 to 0.15 µg/m^3 over a rolling three-month

period, and revised the secondary standard to be identical to the primary standard. The 1978 lead NAAQS will be retained until one year after designations for the new standards, except in current non-attainment areas. The SDAB is in attainment of the 1978 lead NAAQS. On November 8, 2011, the U.S. EPA provided designations for the revised lead standards. The SDAB is classified as unclassifiable/attainment.

Carbon Monoxide (CO)

The SDAB is a federal maintenance area for CO.

3.2 State Regulations

3.2.1 Criteria Pollutants

The U.S. EPA allows states the option to develop different (stricter) standards. The state of California has developed the California Ambient Air Quality Standards (CAAQS) and generally has set more stringent limits on the criteria pollutants (see Table 2). In addition to the federal criteria pollutants, the CAAQS also specify standards for visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride (see Table 2). The California CAA, also known as the Sher Bill or California AB 2595, was signed into law on September 30, 1988, and became effective on January 1, 1989. The California CAA requires that districts implement regulations to reduce emissions from mobile sources through the adoption and enforcement of transportation control measures. The California CAA also requires that a district must (South Coast Air Quality Management District [SCAQMD] 2007):

- Demonstrate the overall effectiveness of the air quality program;
- Reduce non-attainment pollutants at a rate of five percent per year, or include all feasible measures and expeditious adoption schedule;
- Ensure no net increase in emissions from new or modified stationary sources;
- Reduce population exposure to severe non-attainment pollutants according to a prescribed schedule;
- Include any other feasible controls that can be implemented, or for which implementation can begin, within 10 years of adoption of the most recent air quality plan; and
- Rank control measures by cost-effectiveness.

The SDAB is a non-attainment area for the State ozone standards, the State PM_{10} standard, and the State $PM_{2.5}$ standard.

3.2.2 Toxic Air Contaminants

The public's exposure to toxic air contaminants (TACs) is a significant public health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health (AB 1807: Health and Safety Code Sections 39650–39674). The Legislature established a two-step process to address the potential health effects from TACs. The first step is the risk assessment (or identification) phase. The second step is the risk management (or control) phase of the process.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly Bill) was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels. The Children's Environmental Health Protection Act, California Senate Bill (SB) 25 (Chapter 731, Escutia, Statutes of 1999), focuses on children's exposure to air pollutants. The act requires CARB to review its air quality standards from a children's health perspective, evaluate the statewide air monitoring network, and develop any additional air toxic control measures needed to protect children's health. Locally, toxic air pollutants are regulated through the SDAPCD's Regulation XII.

Of particular concern statewide are diesel-exhaust particulate matter (DPM) emissions. DPM was established as a TAC in 1998 and is estimated to represent a majority of the cancer risk from TACs statewide (based on the statewide average). Diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB and are listed as carcinogens either under the state's Proposition 65 or under the federal Hazardous Air Pollutants program. Diesel emissions generated within the Otay Mesa community and the surrounding areas pose a potential hazard to residents and visitors.

Following the identification of diesel particulate matter as a TAC in 1998, CARB has worked on developing strategies and regulations aimed at reducing the risk from diesel particulate matter. The overall strategy for achieving these reductions is found in the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled*

Engines and Vehicles (State of California 2000). A stated goal of the plan is to reduce the cancer risk statewide arising from exposure to diesel particulate matter 85 percent by 2020.

A number of programs and strategies to reduce diesel particulate matter that have been implemented or are in the process of being developed include (State of California 2010a):

- **The Carl Moyer Memorial Air Quality Standards Attainment Program:** This program, administered by CARB, was initially approved in February 1999 and provides incentive grants to cover an incremental portion of the cost of upgrading to cleaner-than-required engines, equipment, and other sources of pollution providing early or extra emission reductions. Eligible projects include cleaner on-road, off-road, marine, locomotive, and agricultural sources. The program guidelines are revised regularly (most recently in April 2011).

- **On-road Heavy-duty Diesel Engine Reduced Emission Standards**: This rule reduces emission standards for 2007 and subsequent model year heavy-duty diesel engines (66 FR 5002, January 18, 2001).

- **On-road Heavy-duty Diesel Engine In-use Compliance Program**: This program requires in-use compliance testing to ensure that existing vehicles/engines meet applicable emission standards throughout their useful life.

Other programs include:

- **Off-road Mobile Sources Emission Reduction Program:** The goal of this program is to develop regulations to control emissions from diesel, gasoline, and alternative-fueled off-road mobile engines. These sources include a range of equipment, from lawn mowers to construction equipment to locomotives.

- **Heavy-duty Vehicle Inspection Program**: The Heavy-duty Vehicle Inspection and Periodic Smoke Inspection Programs were established to control excessive smoke emissions and tampering from heavy-duty diesel trucks and buses.

    - **Heavy-duty Vehicle Inspection Program:** The Heavy-duty Vehicle Inspection Program was adopted into law in 1988 (SB 1997), with the regulations (13 California Code of Regulations [CCR] 2180–2189) governing this program last amended in 2007. The program requires heavy-duty trucks and buses to be inspected for excessive smoke and tampering, and engine certification label compliance. Any heavy-duty vehicle traveling in California, including vehicles registered in other states and foreign countries, may be tested. Tests are performed by CARB inspection teams at border crossings,

California Highway Patrol weigh stations, fleet facilities, and randomly selected roadside locations.

- **Periodic Smoke Inspection Program:** The Periodic Smoke Inspection Program was adopted into law in 1990 (SB 2330), with the regulations (13 CCR 2190–2194) governing this program last amended in 2007. The program requires that diesel and bus fleet owners conduct annual smoke opacity inspections of their vehicles and repair those with excessive smoke emissions to ensure compliance.

- **Lower-emission School Bus Program:** Under this program, and in coordination with the California Energy Commission and local air districts, CARB developed guidelines to provide criteria for the purchase of new school buses and the retrofit of existing school buses to reduce particulate matter emissions. In addition, Proposition 1B, which was approved by the voters on November 7, 2006, enacts the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006. This bond act authorizes $200 million for replacing and retrofitting school buses.

- **School Bus Idling Airborne Toxic Control Measure**: Beginning in July 2003, the CARB approved an airborne toxic control measure (ATCM) that limits school bus idling and idling at or near schools. The ATCM to limit idling is intended to reduce diesel exhaust particulate matter and other TACs and air pollutants from heavy-duty motor vehicle exhaust. The ATCM requires a driver of a school bus or vehicle, transit bus, or other commercial motor vehicle to manually turn off the bus or vehicle engine upon arriving at a school and to restart no more than 30 seconds before departing. A driver of a school bus or vehicle is subject to the same requirement when operating within 100 feet of a school and is prohibited from idling more than five minutes at each stop beyond schools, such as parking or maintenance facilities, school bus stops, or school activity destinations. A driver of a transit bus or other commercial motor vehicle is prohibited from idling more than five minutes at each stop within 100 feet of a school. Idling necessary for health, safety, or operational concerns is exempt from these restrictions.

In April 2005, CARB published *Air Quality and Land Use Handbook: A Community Health Perspective* (State of California 2005). The handbook makes recommendations directed at protecting sensitive land uses from air pollutant emissions while balancing a myriad of other land use issues (e.g., housing, transportation needs, economics, etc.). It notes that the handbook is not regulatory or binding on local agencies and recognizes that application takes a qualitative approach. As reflected in the CARB Handbook, there is currently no adopted standard for the significance of health effects from mobile sources. Therefore, the CARB has provided guidelines for the siting of land uses near heavily traveled roadways. Of pertinence to this study, the CARB guidelines indicate that

siting new sensitive land uses within 500 feet of a freeway or urban roads with 100,000 or more vehicles/day should be avoided when possible.

As an ongoing process, CARB will continue to establish new programs and regulations for the control of diesel-particulate and other air-toxics emissions as appropriate. The continued development and implementation of these programs and policies will ensure that the public's exposure to diesel particulate matter will continue to decline.

As discussed below, the SDAPCD implements rules and regulations for the control of toxic air contaminants through permitting of stationary and portable sources of air pollutants.

Numerous activities have also occurred at the federal level, including:

- In 2006, the EPA adopted low-sulfur fuel standards that are anticipated to significantly reduce diesel emissions.
- In January 2011, President Obama signed the Diesel Emission Reduction Act (DERA) of 2010 (HR 5809), which reauthorizes DERA for another five years. DERA was originally created in 2005 and provides grants to state, local, and tribal governments for programs to reduce emissions from existing diesel engines. This legislation authorizes $100 million annually for five years, for a total of $500 million, although the actual annual amount will depend on each year's funding appropriation. According to U.S. EPA, every $1 spent on DERA upgrades has resulted in $13 worth of health and environmental benefits (West Coast Collaborative 2011).

3.2.3 Children's Environmental Health Protection Act

The Children's Environmental Health Protection Act (SB 25, Escutia 1999) established specific requirements to determine if children are adequately protected from the harmful effects of air pollution. The act requires the CARB and the Office of Environmental Health Hazard Assessment to review all health-based California AAQS to determine if public health, particularly the health of infants and children, is adequately protected. It also requires a review of the air monitoring network to determine if it accurately measures the amount of pollutants in the air. Furthermore, the state's list of TACs must be reviewed, and Air Toxic Control Measures must be implemented, in order to reduce exposure to TACs that cause children to be especially susceptible to illness.

3.3 State Implementation Plan

The SIP is a collection of documents that set forth the state's strategies for achieving the NAAQS. In California, the SIP is a compilation of new and previously submitted plans,

programs (such as monitoring, modeling, permitting, etc.), district rules, state regulations, and federal controls. The CARB is the lead agency for all purposes related to the SIP under state law. Local air districts and other agencies, such as the Department of Pesticide Regulation and the Bureau of Automotive Repair, prepare SIP elements and submit them to CARB for review and approval. The CARB then forwards SIP revisions to the U.S. EPA for approval and publication in the Federal Register. All of the items included in the California SIP are listed in the Code of Federal Regulations (CFR) at 40 CFR 52.220.

The SDAPCD is responsible for preparing and implementing the portion of the SIP applicable to the SDAB. The SDAPCD adopts rules, regulations, and programs to attain State and federal air quality standards, and appropriates money (including permit fees) to achieve these objectives.

3.4 The California Environmental Quality Act

Section 15125(d) of the California Environmental Quality Act (CEQA) Guidelines requires discussion of any inconsistencies between the proposed project and applicable general plans and regional plans, including the applicable air quality attainment or maintenance plan (or SIP).

3.5 Regional Air Quality Strategy

The SDAPCD is the agency that regulates air quality in the SDAB. The SDAPCD prepared the 1991/1992 RAQS in response to the requirements set forth in AB 2595. The draft was adopted, with amendments, on June 30, 1992 (County of San Diego 1992). Attached, as part of the RAQS, are the Transportation Control Measures (TCMs) for the air quality plan prepared by the San Diego Association of Governments (SANDAG) in accordance with AB 2595 and adopted by SANDAG on March 27, 1992, as Resolution Number 92-49 and Addendum. The required triennial updates of the RAQS and corresponding TCMs were adopted in 1995, 1998, 2001, 2004, and 2009. The RAQS and TCMs set forth the steps needed to accomplish attainment of the CAAQS.

4.0 Environmental Setting

4.1 Geographic Setting

The Otay Mesa community planning area is located in the SDAB about 6 miles east of the Pacific Ocean. The eastern portion of the SDAB is surrounded by mountains to the north, east, and south. These mountains tend to restrict airflow and concentrate pollutants in the valleys and low-lying areas below.

4.2 Climate

The project area, like the rest of San Diego County's coastal areas, has a Mediterranean climate characterized by warm, dry summers and mild, wet winters. The mean annual temperature for the project area is 62 degrees Fahrenheit (°F). The average annual precipitation is 12 inches, falling primarily from November to April. Winter low temperatures in the project area average about 41°F, and summer high temperatures average about 78°F. The average relative humidity is 69 percent and is based on the yearly average humidity at Lindbergh Field (Western Regional Climate Center 2011).

The dominant meteorological feature affecting the region is the Pacific High Pressure Zone, which produces the prevailing westerly to northwesterly winds. These winds tend to blow pollutants away from the coast toward the inland areas. Consequently, air quality near the coast is generally better than that which occurs at the base of the coastal mountain range.

Fluctuations in the strength and pattern of winds from the Pacific High Pressure Zone interacting with the daily local cycle produce periodic temperature inversions that influence the dispersal or containment of air pollutants in the SDAB. Beneath the inversion layer pollutants become "trapped" as their ability to disperse diminishes. The mixing depth is the area under the inversion layer. Generally, the morning inversion layer is lower than the afternoon inversion layer. The greater the change between the morning and afternoon mixing depths, the greater the ability of the atmosphere to disperse pollutants.

Throughout the year, the height of the temperature inversion in the afternoon varies between approximately 1,500 and 2,500 feet above mean sea level (MSL). In winter, the morning inversion layer is about 800 feet above MSL. In summer, the morning inversion layer is about 1,100 feet above MSL. Therefore, air quality generally tends to be better in the winter than in the summer.

The prevailing westerly wind pattern is sometimes interrupted by regional “Santa Ana” conditions. A Santa Ana occurs when a strong high pressure develops over the Nevada–Utah area and overcomes the prevailing westerly coastal winds, sending strong, steady, hot, dry northeasterly winds over the mountains and out to sea.

Strong Santa Anas tend to blow pollutants out over the ocean, producing clear days. However, at the onset or during breakdown of these conditions or if the Santa Ana is weak, local air quality may be adversely affected. In these cases, emissions from the South Coast Air Basin (SCAB) to the north are blown out over the ocean, and low pressure over Baja California draws this pollutant-laden air mass southward. As the high pressure weakens, prevailing northwesterly winds reassert themselves and send this cloud of contamination ashore in the SDAB. When this event does occur, the combination of transported and locally produced contaminants produce the worst air quality measurements recorded in the basin.

4.3 Existing Air Quality

Air quality at a particular location is a function of the kinds, amounts, and dispersal rates of pollutants being emitted into the air locally and throughout the basin. The major factors affecting pollutant dispersion are wind speed and direction, the vertical dispersion of pollutants (which is affected by inversions), and the local topography.

Air quality is commonly expressed as the number of days in which air pollution levels exceed state standards set by the CARB or federal standards set by the U.S. EPA. The SDAPCD maintains 11 air quality monitoring stations located throughout the greater San Diego metropolitan region. Air pollutant concentrations and meteorological information are continuously recorded at these 11 stations. Measurements are then used by scientists to help forecast daily air pollution levels. Table 3 summarizes the number of days per year during which state and federal standards were exceeded in the SDAB overall during the years 2007 to 2011. The Otay Mesa—Paseo International monitoring

station, located in the southeastern portion of the CPU boundary, and the Otay Mesa—Richard J. Donovan Correctional Facility monitoring station, located east of the CPU area, are the nearest stations to the project area. Figure 2 shows the locations of these monitoring stations. Table 4 provides a summary of measurements of ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, and PM_{10} collected at the Otay Mesa monitoring stations for the years 2007 through 2011.

TABLE 3
AMBIENT AIR QUALITY SUMMARY – SAN DIEGO AIR BASIN

Pollutant	Average Time	California Ambient Air Quality Standards[a]	Attainment Status	National Ambient Air Quality Standards[b]	Attainment Status[c]	Maximum Concentration					Number of Days Exceeding State Standard					Number of Days Exceeding National Standard				
						2007	2008	2009	2010	2011	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
O_3	1 hour	0.09 ppm	N	N/A	N/A	0.134	0.139	0.119	0.107	0.114	21	18	8	7	5	1	2	0	0	0
O_3	8 hours	0.07ppm	N	0.08 ppm (1997)	N	0.092	0.110	0.098	0.088	0.093	50	69	47	21	33	7	11	4	1	3
O_3	8 hours	---	---	0.075 ppm (2008)	N	0.092	0.109	0.097	0.088	0.093	---	---	---	--	--	27	35	24	14	10
CO	1 hour	20 ppm	A	35 ppm	A	8.7	4.6	Na	Na	Na	0	0	Na	Na	Na	0	0	Na	Na	Na
CO	8 hours	9 ppm	A	9 ppm	A	5.18	3.51	3.54	2.46	2.44	0	0	0	0	0	0	0	0	0	0
NO_2	1 hour	0.18 ppm	A	N/A	N/A	0.101	0.123	0.091	0.091	0.1	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A
NO_2	Annual	0.030 ppm	N/A	0.053 ppm	A	0.015	0.015	0.016	0.013	0.013	N/A	N/A	N/A	N/A	N/A	NX	NX	NX	NX	NX
SO_2	1 hour	25 pphm	A	N/A	N/A	2.7	1.9	Na	Na	Na	0	0	Na	Na	Na	N/A	N/A	N/A	N/A	N/A
SO_2	3 hour	---	N/A	50 pphm[d]	A	1.7	1.4	Na	Na	Na	N/A	N/A	N/A	N/A	N/A	0	0	Na	Na	Na
SO_2	24 hours	4 pphm	A	14 pphm	A	0.9	0.7	Na	Na	Na	0	0	Na	Na	Na	0	0	Na	Na	Na
SO_2	Annual	N/A	N/A	3 pphm	A	0.3	0.2	Na	Na	Na	N/A	N/A	N/A	N/A	N/A	NX	NX	Na	Na	Na
PM_{10}	24 hours	50 $\mu g/m^3$	N	150 $\mu g/m^3$	U	394	158	126	108	125	27/ 158.6*	30/ 163.4*	25/ 146.4*	22/ 136*	23/ 138.5*	1/6.1*	1/Na*	0/Na*	0/0*	0/0*
PM_{10}	Annual	20 $\mu g/m^3$	N	N/A	N/A	58.4	56.1	53.9	47	46.2	EX	EX	EX	EX	EX	N/A	N/A	N/A	N/A	N/A
$PM_{2.5}$	24 hours	N/A	N/A	35 $\mu g/m^3$	A	151	44	78.4	52.2	35.5	N/A	N/A	N/A	N/A	N/A	17/11.4	5/3.5	4/3.4	2/2	3/3
$PM_{2.5}$	Annual	12 $\mu g/m^3$	N	15 $\mu g/m^3$	A	13.3	14.9	12.2	10.8	10.9	EX	EX	EX	EX	EX	NX	NX	NX	NX	NX

SOURCE: State of California 2011; U.S. EPA 2011a

*Measured Days/Calculated Days—Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. Particulate measurements are collected every six days. The number of days above the standard is not necessarily the number of violations of the standard for the year.

[a]California standards for ozone, carbon monoxide (except at Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, and PM_{10} are values that are not to be exceeded. Some measurements gathered for pollutants with air quality standards that are based upon 1-hour, 8-hour, or 24-hour averages, may be excluded if the CARB determines they would occur less than once per year on average.

[b]National standards other than for ozone and particulates, and those based on annual averages or annual arithmetic means are not to be exceeded more than once a year. The 1-hour ozone standard is attained if, during the most recent 3-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one.

[c]A = attainment; N = non-attainment; U = Unclassifiable

N/A = not applicable; Na = data not available; NX = annual average not exceeded; EX = annual average exceeded.

ppm = parts per million, pphm = parts per hundred million, $\mu g/m^3$ = micrograms per cubic meter.

[d]Secondary Standard

4.3.1 Ozone

Nitrogen oxides and hydrocarbons (reactive organic gases [ROGs]) are known as the chief "precursors" of ozone. These compounds react in the presence of sunlight to produce ozone. Ozone is the primary air pollution problem in the SDAB. Because sunlight plays such an important role in its formation, ozone pollution, or smog, is mainly a concern during the daytime in summer months. The SDAB is currently designated a federal and state non-attainment area for ozone. During the past 20 years, San Diego has experienced a decline in the number of days with unhealthy levels of ozone despite the region's growth in population and vehicle miles traveled (County of San Diego 2010).

Locally, about three-quarters of smog-forming emissions come from motor vehicles and mobile equipment powered by internal combustion engines (County of San Diego 2009). Population growth in San Diego has resulted in a large increase in the number of automobiles expelling ozone-forming pollutants while operating on area roadways. In addition, the occasional transport of smog-filled air from the SCAB only adds to the SDAB's ozone problem. More strict automobile emission controls, including more efficient automobile engines, have played a large role in why ozone levels have steadily decreased.

In the SDAB overall, during the 5-year period of 2007 to 2011 the former national 1-hour ozone standard of 0.12 ppm was exceeded one day in 2007 and two days in 2008. The stricter state 1-hour ozone standard of 0.09 ppm was exceeded 21 days in 2007, 18 days in 2008, 8 days in 2009, 7 days in 2010, and 5 days in 2011 (see Table 3).

The 1-hour state standard for O_3 of 0.09 ppm was exceeded 2 days in 2008, 1 day in 2009, and 1 day in 2011 at the Otay Mesa–Paseo International monitoring station during the 5-year period of 2007 to 2011.

In order to address adverse health effects due to prolonged exposure, the U.S. EPA phased out the national 1-hour ozone standard and replaced it with the more protective 8-hour ozone standard. The SDAB is currently a nonattainment area for the previous (1997) national 8-hour standard and is recommended as a nonattainment area for the revised (2008) national 8-hour standard of 0.075 ppm.

In the SDAB overall, during the 5-year period of 2007 to 2011 the former national 8-hour ozone standard of 0.08 ppm was exceeded 7 days in 2007, 11 days in 2008, 4 days in 2009, 1 day in 2010, and 3 days in 2011. The revised national 8-hour standard of 0.075 was exceeded 27 days in 2007, 35 days in 2008, 24 days in 2009, 14 days in 2010, and 10 days in 2011. The stricter state 8-hour ozone standard of 0.07 ppm was exceeded 50 days in 2007, 69 days in 2008, 47 days in 2009, 21 days in 2010, and 33 days in 2011.

TABLE 4
SUMMARY OF AIR QUALITY MEASUREMENTS RECORDED AT THE OTAY MESA MONITORING STATIONS

Pollutant/Standard	2007	2008	2009	2010	2011
OTAY MESA—PASEO INTERNATIONAL MONITORING STATION					
Ozone					
Days State 1-hour Standard Exceeded (0.09 ppm)	0	2	1	0	1
Days State 8-hour Standard Exceeded (0.07 ppm)	1	3	0	0	1
Days Federal 1-hour Standard Exceeded (0.12 ppm)	0	0	0	0	0
Days '97 Federal 8-hour Standard Exceeded (0.08 ppm)	0	1	0		
Days '08 Federal 8-hour Standard Exceeded (0.075 ppm)	0	2	0		
Max. 1-hr (ppm)	0.092	0.099	0.098	0.076	0.095
Max 8-hr (ppm)	0.072	0.089	0.068	0.068	0.076
Carbon Monoxide					
Days State 1-hour Standard Exceeded (20 ppm)	0	0	0		
Days State 8-hour Standard Exceeded (9 ppm)	0	0	0	0	0
Days Federal 1-hour Standard Exceeded (35 ppm)	0	0	0		
Days Federal 8-hour Standard Exceeded (9 ppm)	0	0	0	0	0
Max. 1-hr (ppm)	5.70	4.60	4.60		
Max. 8-hr (ppm)	3.39	3.51	3.06	2.21	Na
Nitrogen Dioxide					
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0	0	0
Max 1-hr (ppm)	0.101	0.123	0.091	0.091	0.100
Annual Average (ppm)	0.022	0.024	0.021	0.021	0.020
Sulfur Dioxide					
Days State 24-hour Standard Exceeded (0.04 ppm)	0	0	0	0	0
Max. Daily (ppm)	0.009	0.006	0.007	0.008	0.007
Annual Average (ppm)	Na	Na	0.003	0.001	Na
PM_{10}*					
Measured Days State 24-hour Standard Exceeded (50 $\mu g/m^3$)	27	30	25	22	23
Calculated Days State 24-hour Standard Exceeded (50 $\mu g/m^3$)	158.6	163.4	146.4	136.0	138.5
Measured Days Federal 24-hour Standard Exceeded (150 $\mu g/m^3$)	1	1	0	0	0
Calculated Days Federal 24-hour Standard Exceeded (150 $\mu g/m^3$)	6.1	6.1	0	0	0
Max. Daily ($\mu g/m^3$)	394.0	158.0	126.0	108.0	126.0
State Annual Average ($\mu g/m^3$)	58.4	56.1	53.9	47.0	46.2
Federal Annual Average ($\mu g/m^3$)	58.8	56.0	53.6	46.6	45.4
OTAY MESA—DONOVAN CORRECTIONAL FACILITY MONITORING STATION					
PM_{10}*					
Measured Days State 24-hour Standard Exceeded (50 $\mu g/m^3$)	10	8	10	3	2
Calculated Days State 24-hour Standard Exceeded (50 $\mu g/m^3$)	49.7	47.4	62.4	18.0	12.6
Measured Days Federal 24-hour Standard Exceeded (150 $\mu g/m^3$)	1	0	0	0	0
Calculated Days Federal 24-hour Standard Exceeded (150 $\mu g/m^3$)	2	0	0	0	0
Max. Daily ($\mu g/m^3$)	170.0	99.0	81.0	57.0	56.0
State Annual Average ($\mu g/m^3$)	36.6	31.2	34.2	29.8	25.9
Federal Annual Average ($\mu g/m^3$)					

SOURCE: State of California 2012.

Na = Not available; ppm = parts per million; $\mu g/m^3$ = micrograms per cubic meter

*Calculated days value. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. The number of days above the standard is not necessarily the number of violations of the standard for the year.

The previous national 8-hour standard of 0.08 ppm was exceeded 1 day in 2008 and the revised national 8-hour standard of 0.075 ppm was exceeded 2 days in 2008 at the Otay Mesa-Paseo International monitoring station during the 5-year period from 2007 to 2011. The stricter state 8-hour ozone standard of 0.07 ppm was exceeded on 1 day in 2007, 3 days 2008, and 1 day in 2011.

Not all of the ozone within the SDAB is derived from local sources. Under certain meteorological conditions, such as during Santa Ana wind events, ozone and other pollutants are transported from the Los Angeles Basin and combine with ozone formed from local emission sources to produce elevated ozone levels in the SDAB.

Local agencies can control neither the source nor the transportation of pollutants from outside the air basin. The SDAPCD's policy, therefore, has been to control local sources effectively enough to reduce locally produced contamination to clean air standards. Through the use of air pollution control measures outlined in the RAQS, the SDAPCD has effectively reduced O_3 levels in the SDAB.

Actions that have been taken in the SDAB to reduce O_3 concentrations include:

- **TCMs, if vehicle travel and emissions exceed attainment demonstration levels.** TCMs are strategies that will reduce transportation-related emissions by reducing vehicle use or improving traffic flow.

- **Enhanced motor vehicle inspection and maintenance program.** The smog-check program is overseen by the Bureau of Automotive Repair. The program requires most vehicles to pass a smog test once every two years before registering in the state of California. The smog-check program monitors the amount of pollutants automobiles produce. One focus of the program is identifying "gross polluters," or vehicles that exceed two times the allowable emissions for a particular model. Regular maintenance and tune-ups, changing oil, and checking tire inflation can improve gas mileage and lower air pollutant emissions. It can also reduce traffic congestion due to preventable breakdowns, further lowering emissions.

- **Air Quality Improvement Program (AQIP).** The AQIP, established by AB 118, is a voluntary incentive program administered by the CARB to fund clean vehicle and equipment projects, research on biofuels production and the air quality impacts of alternative fuels, and workforce training.

4.3.2 Carbon Monoxide

The SDAB is classified as a state attainment area and as a federal maintenance area for carbon monoxide (County of San Diego 1998). Until 2003, no violations of the state standard for CO had been recorded in the SDAB since 1991, and no violations of the national standard had been recorded in the SDAB since 1989. The violations that took

place in 2003 were likely the result of massive wildfires that occurred throughout the county. No violations of the state or federal CO standards have occurred since 2003. As shown in Tables 3 and 4, the state and national standards have not been exceeded at the Otay Mesa monitoring stations or the SDAB during the 5-year period from 2007 to 2011.

Small-scale, localized concentrations of CO above the state and national standards have the potential to occur at intersections with stagnation points such as those that occur on major highways and heavily traveled and congested roadways. Localized high concentrations of CO are referred to as "CO hot spots" and are a concern at congested intersections, where automobile engines burn fuel less efficiently and their exhaust contains more CO.

4.3.3 PM_{10}

PM_{10} is particulate matter with an aerodynamic diameter of 10 microns or less. Ten microns is about one-seventh of the diameter of a human hair. Particulate matter is a complex mixture of very tiny solid or liquid particles composed of chemicals, soot, and dust. Sources of PM_{10} emissions in the SDAB consist mainly of urban activities, dust suspended by vehicle traffic, and secondary aerosols formed by reactions in the atmosphere.

Under typical conditions (i.e., no wildfires) particles classified under the PM_{10} category are mainly emitted directly from activities that disturb the soil including travel on roads and construction, mining, or agricultural operations. Other sources include windblown dust, salts, brake dust, and tire wear (County of San Diego 1998). For several reasons hinging on the area's dry climate and coastal location, the SDAB has special difficulty in developing adequate tactics to meet present state particulate standards.

The SDAB is designated as federal unclassified and state non-attainment for PM_{10}. The measured federal PM_{10} standard was exceeded once in 2007 and once in 2008 in the SDAB. The 2007 exceedance occurred on October 21, 2007, at a time when major wildfires were raging throughout San Diego County. Consequently, this exceedance was likely caused by the wildfires and would be beyond the control of the SDAPCD (State of California 2010a). As such, this event is covered under the U.S. EPA's Natural Events Policy that permits, under certain circumstances, the exclusion of air quality data attributable to uncontrollable natural events (e.g., volcanic activity, wild land fires, and high wind events). The 2008 exceedance did not occur during wildfires and is not covered under this policy. The stricter state standard was exceeded a calculated number of days of 158.6 days in 2007, 163.4 days in 2008, 146.4 days in 2009, 136 days in 2010, and 138.5 days in 2011. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had

measurements been collected every day. Particulate measurements are collected every 6 days.

At the Otay Mesa-Paseo International monitoring station, the national 24-hour PM_{10} standard was exceeded 1 day in 2007 and 1 day in 2008 during the years 2007 through 2011. The stricter state 24-hour PM_{10} standard was exceeded 27 days in 2007, 30 days in 2008, 25 days in 2009, 22 days in 2010, and 23 days in 2011.

At the Otay Mesa-Donovan Correctional Facility monitoring station, the national 24-hour PM_{10} standard was exceeded 1 day in 2007 during the years 2007 through 2011. The stricter state 24-hour PM_{10} standard was exceeded 10 days in 2007, 8 days in 2008, 10 days in 2009, 3 days in 2010, and 2 days in 2011.

4.3.4 $PM_{2.5}$

Airborne, inhalable particles with aerodynamic diameters of 2.5 microns or less have been recognized as an air quality concern requiring regular monitoring. Federal regulations required that $PM_{2.5}$ monitoring begin January 1, 1999 (County of San Diego 1999). The Otay Mesa monitoring stations do not monitor $PM_{2.5}$. Federal $PM_{2.5}$ standards established in 1997 include an annual arithmetic mean of 15 $\mu g/m^3$ and a 24-hour concentration of 65 $\mu g/m^3$. As discussed above, the 24-hour $PM_{2.5}$ standard has been changed to 35 $\mu g/m^3$. However, this does not apply to the monitoring in 2005 or 2006. State $PM_{2.5}$ standards established in 2002 are an annual arithmetic mean of 12 $\mu g/m^3$.

The SDAB was classified as an attainment area for the previous federal 24-hour $PM_{2.5}$ standard of 65 $\mu g/m^3$ and has been classified as an attainment area for the revised federal 24-hour $PM_{2.5}$ standard of 35 $\mu g/m^3$ (U.S. EPA 2004, 2009b). The SDAB is a non-attainment area for the state $PM_{2.5}$ standard (State of California 2012).

In the SDAB overall the new national standard of 35 $\mu g/m^3$ was exceeded a calculated number of days of 11.4 days in 2007, 3.5 days in 2008, 3.4 days in 2009, 2 days in 2010, and 3 days in 2011. Additionally, although the federal annual standard was not exceeded during the period from 2007 through 2011, the state annual standard was routinely exceeded during this period in the SDAB overall.

4.3.5 Other Criteria Pollutants

The national and state standards for NO_2, SO_x, and previous standard for lead are being met in the SDAB, and the latest pollutant trends suggest that these standards will not be exceeded in the foreseeable future. As discussed above, new standards for these pollutants have been adopted, and new designations for the SDAB will be determined in the future. The SDAB is also in attainment of the state standards for hydrogen sulfides, sulfates, and visibility reducing particles.

5.0 Thresholds of Significance

5.1 CEQA Guidelines

Thresholds used to evaluate potential impacts to air quality are based on applicable criteria in the CEQA Guidelines Appendix G and the City of San Diego Significance Determination Thresholds. The CPU would have a significant air quality impact if it would (City of San Diego 2011):

1. Obstruct or conflict with the implementation of the San Diego RAQS or applicable portions of the SIP.
2. Result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation.
3. 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 AAQS (including the release of emissions which exceed quantitative thresholds for ozone precursors).
4. Expose sensitive receptors to substantial pollutant concentration, including air toxics such as diesel particulates.
5. Create objectionable odors affecting a substantial number of people.

5.2 Public Nuisance Law (Odors)

The State of California Health and Safety Code Sections 41700 and 41705, and SDAPCD Rule 51, commonly referred to as public nuisance law, prohibit emissions from any source whatsoever in such quantities of air contaminants or other material, which cause injury, detriment, nuisance, or annoyance to the public health or damage to property. The provisions of these regulations do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals. It is generally accepted that the “considerable” number of persons requirement in Rule 51 is normally satisfied when 10 different individuals/households have made separate complaints within 90 days. Odor complaints from a “considerable” number of persons or businesses in the area will be considered to be a significant, adverse odor impact.

Every use and operation shall be conducted so that no unreasonable heat, odor, vapor, glare, vibration (displacement), dust, smoke, or other forms of air pollution subject to SDAPCD standards shall be discernible at the property line of the parcel upon which the

use or operation is located. Therefore, any unreasonable odor discernible at the property line of the project site will be considered a significant odor impact.

5.3 San Diego Air Pollution Control District

The SDAPCD is the agency that regulates air quality in the SDAB. Vehicle emissions are regulated at the federal and state levels. Air quality management districts and air pollution control districts do not set vehicle emission standards.

The SDAPCD is responsible for preparing and implementing the portion of the SIP applicable to the SDAB. The SIP contains the state's strategies for achieving the NAAQS. The SDAPCD also prepared the 1991/1992 RAQS in response to requirements set forth in the California CAA (AB 2595). Attached as part of the RAQS are the TCMs adopted by SANDAG in accordance with AB 2595 and adopted by SANDAG on March 27, 1992, as Resolution Number 92-49 and Addendum. The RAQS and TCM set forth the steps needed to accomplish attainment of State AAQS. Updates of the RAQS and corresponding TCM are required every three years. The required triennial updates of the RAQS and corresponding TCM occurred in 1995, 1998, 2001, and 2004, with the most recent update of the RAQS and TCM in 2009.

The SDAPCD has also established a set of rules and regulations initially adopted on January 1, 1969, and periodically reviewed and updated. These rules and regulations are available for review on the agency's website (County of San Diego 2012). The rules and regulations define requirements regarding stationary sources of air pollutants and fugitive dust.

The SDAPCD does not provide specific numerics for determining the significance of mobile source-related impacts, or for evaluating CEQA projects or projects that do not require an APCD permit to operate (e.g., non-stationary sources). However, the district does specify Air Quality Impact Analysis trigger levels for new or modified stationary sources (SDAPCD Rules 20.2 and 20.3). The APCD does not consider these trigger levels to represent adverse air quality impacts, rather, if these trigger levels are exceeded by a project, the SDAPCD required an air quality analysis to determine if a significant air quality impact would occur. While, these trigger levels do not generally apply to mobile sources or general land development projects, for comparative purposes these levels are used to evaluate the increased emissions that would be discharged to the SDAB if the CPU were approved.

The SDAPCD trigger levels are also utilized by the City of San Diego in their Significance Determination Thresholds (City of San Diego 2011) as one of the considerations when determining the potential significance of air quality impacts for projects within the city. SDAPCD Rules 20.2 and 20.3 do not specify trigger levels for ROG or $PM_{2.5}$. The threshold for ROG used by the City is based on levels per the

SCAQMD and Monterey Bay APCD which have similar federal and state attainment status as San Diego (City of San Diego 2011). The terms ROG and volatile organic compound (VOC) are essentially synonymous and are used interchangeably in this analysis. The threshold for $PM_{2.5}$ was developed from the SCAQMD Final Methodology to Calculate $PM_{2.5}$ and $PM_{2.5}$ Significance Thresholds and the SDAPCD's PM_{10} limit (SCAQMD 2006).

The air quality impact screening levels used in this analysis are shown in Table 5.

TABLE 5
AIR QUALITY IMPACTSCREENING LEVELS

Pollutant	Emission Rate		
	Pounds/Hour	Pounds/Day	Tons/Year
NO_X	25	250	40
SO_X	25	250	40
CO	100	550	100
PM_{10}	--	100	15
Lead	--	3.2	0.6
VOC, ROG	--	137[1]	15
$PM_{2.5}$	--	100[2]	--

SOURCE: SDAPCD, Rule 20.2 (12/17/1998); City of San Diego 2011.
[1]VOC threshold based on levels per SCAQMD and Monterey Bay APCD which have similar federal and State attainment status as San Diego.
[2]$PM_{2.5}$ threshold developed from the SCAQMD *Final Methodology to Calculate $PM_{2.5}$ and $PM_{2.5}$ Significance Thresholds* (SCAQMD 2006) and the PM_{10} standard of the SDAPCD.

5.4 Evaluation of Air Toxic Emissions

The SDAPCD does not specify thresholds for evaluating CEQA projects or for projects that do not require an APCD permit to operate (e.g., non-stationary sources). In general, for permitted projects the SDAPCD does not identify a significant impact if the potential health risks from the proposed project would not exceed the health risk public notification thresholds specified by SDAPCD Rule 1210. The public notification thresholds are:

i. Maximum incremental cancer risks equal to or greater than 10 in one million, or

ii. Cancer burden equal to or greater than 1.0, or

iii. Total acute non-cancer health hazard index equal to or greater than 1.0, or

iv. Total chronic non-cancer health hazard index equal to or greater than 1.0.

Therefore, for the purposes of evaluating the potential health risks associated with the air toxics addressed in this assessment, a significant impact would occur if the worst-case incremental cancer risk is greater than or equal to 10 in one million, or if the worst-case total acute or chronic health hazard index is greater than or equal to one.

6.0 Criteria Pollutant Air Quality Assessment

Air quality impacts can result from the construction and operation of a project. Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from growth-inducing development or local hot-spot effects stemming from sensitive receivers being placed close to highly congested roadways. In the case of the CPU, operational impacts are primarily due to emissions to the basin from mobile sources associated with the vehicular travel along the roadways within the project area.

Air emissions were calculated using the CalEEMod computer program (SCAQMD 2011). The CalEEMod program is a tool used to estimate air emissions resulting from land development projects in the state of California. The model generates emissions from three basics sources: construction sources, area sources (e.g., fireplaces and natural gas heating), and operational sources (e.g., traffic).

Inputs to CalEEMod include such items as the air basin containing the project, land uses, trip generation rates, trip lengths, vehicle fleet mix (percentage autos, medium truck, etc.), trip distribution (i.e., percent home to work, etc.), duration of construction phases, construction equipment usage, grading areas, season, and ambient temperature, as well as other parameters. The CalEEMod output files contained in Attachment 1 indicate the specific inputs for each model run. Emissions of NO_x, CO, SO_x, PM_{10}, $PM_{2.5}$, and ROGs, an ozone precursor, are calculated. Emission factors are not available for lead, and consequently, lead emissions are not calculated. The SDAB is currently in attainment of the state and federal lead standards. Furthermore, fuel used in construction equipment and most other vehicles is not leaded.

6.1 Construction-related Air Quality Effects

Construction-related activities are temporary, short-term sources of air emissions. Sources of construction-related air emissions include:

- Fugitive dust from grading activities;
- Construction equipment exhaust;
- Construction-related trips by workers, delivery trucks, and material-hauling trucks; and
- Construction-related power consumption.

Air pollutants generated by the construction of projects within the CPU area would vary depending upon the number of projects occurring simultaneously and the size of each individual project. Construction-related pollutants result from dust raised during demolition and grading, emissions from construction vehicles, and chemicals used during construction.

Fugitive dust emissions vary greatly during construction and are dependent on the amount and type of activity, silt content of the soil, and the weather. Vehicles moving over paved and unpaved surfaces, demolition, excavation, earth movement, grading, and wind erosion from exposed surfaces are all sources of fugitive dust. Construction operations are subject to the requirements established in Regulation 4, Rules 52 and 54, of the SDAPCD's rules and regulations.

6.1.1 Land Use and Construction Assumptions

The exact number and timing of all development projects that could occur under the CPU are unknown. However, for projects located within the predominantly developed portions of Otay Mesa, it can be assumed that these areas would experience relatively small projects in terms of land area, most of which would involve the demolition of existing structures and improvements. Conversely, projects located within undeveloped portions of Otay Mesa would be relatively large, involving undeveloped land and little, if any, demolition of existing structures and improvements. The range of these different types of projects is great.

To illustrate the range of potential air effects from projects that could occur, two types of speculative projects were evaluated. These hypothetical projects include a 1-acre multi-family residential project that may be typical in the more developed portions of Otay Mesa and the development of a large-scale project that could occur in the undeveloped portions of Otay Mesa. The 1-acre multi-family development is assumed to consist of the demolition of an existing 5,000-square-foot structure and the construction of a 20-unit multi-family structure. The large project is assumed to consist of the development of 500 single-family units, a 450-student elementary school, and a 1,200-student high school on undeveloped land.

CalEEMod default parameters were used for the equipment needed for all phases of construction which are estimated based on the size of the land use subtype features entered in the land use module.

This analysis assumes that standard dust and emission control during grading operations would be implemented to reduce potential nuisance impacts and to ensure compliance with SDAPCD rules and regulations.

As of January 1, 2011, architectural paints and coatings shall comply with VOC limits specified in CalGreen 2010 (Green Building Standards Code, California Code of

Regulations, Title 24, Part 11) unless more stringent local limits apply. Currently, depending on the coating, the CalGreen VOC limits generally are more stringent than the SDAPCD limits specified in Rule 67.0. The CalGreen VOC limit is 150 milligrams per liter (mg/L) whereas SDAPCD Rule 67.0 allows a VOC content for coatings of up to 250 mg/L. The CalGreen architectural coating VOC limit of 150 mg/L was used in each model run for all coatings.

6.1.2 Construction Source Emissions

A summary of the modeling results is shown in Table 6.

TABLE 6
SAMPLE DAILY CONSTRUCTION EMISSIONS
(pounds/day)

Pollutant	Small Project	Large Project	Threshold
ROG	76	90	137
NO_X	45	111	250
CO	27	59	550
SO_2	0	0	250
PM_{10} Total	8	23	100
PM_{10}—fugitive dust	6	18	--
PM_{10}—exhaust	3	5	--
$PM_{2.5}$ Total	5	15	100
$PM_{2.5}$ —fugitive dust	3	10	--
$PM_{2.5}$—exhaust	3	5	--

NOTE: Due to rounding, the total PM emissions indicated in the CalEEMod output files do not equal the sum of the individual source emissions.

Note that the emissions summarized in Table 6 are the maximum emissions for each pollutant and that they may occur during different phases of construction. They would not necessarily occur simultaneously. These are, therefore, the worst-case emissions. As discussed above, for assessing the significance of the air quality emissions resulting during construction of the hypothetical projects, the construction emissions were compared to the thresholds shown in Table 5.

As seen, the hypothetical individual projects are not expected to result in air emissions that exceed the applicable thresholds. However, if several of these projects were to occur simultaneously, there is the potential to exceed significance thresholds.

The projects discussed above are illustrative only. Approval of the CPU would not permit the construction of any individual project, and no specific development details are available at this time. The thresholds presented above are applied on a project-by-project basis and are not used for assessment of regional planning impacts. The information is presented to illustrate the potential scope of air impacts for projects that could be reviewed under the plan. Additionally, the regulations at the federal, state, and

local provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies and recommendations of the General Plan. In general, implementation of the policies in the CPU and General Plan would preclude or reduce air quality impacts. However, it is possible that for certain projects, adherence to the regulations may not adequately protect air quality, and such projects would require additional measures to avoid or reduce significant air quality impacts. While it is not anticipated that construction activities associated with individual projects under the CPU would result in a significant direct air quality impact, due to the lack of project specific details as part of this program-level analysis, project-specific air quality studies would be required for future projects within the CPU.

The SDAB is not in attainment for ozone, PM_{10}, and $PM_{2.5}$. There is the potential for future projects that would conform to the CPU to contribute to cumulatively considerable emissions should multiple projects be implemented simultaneously. Should multiple projects be initiated in any given year, the potential exists that the construction of those projects would result in a cumulatively considerable increase in criteria air pollutant emissions.

6.1.3 Fugitive Dust Nuisance Impacts

Fugitive dust is any particulate matter that becomes airborne directly or indirectly as a result of the activities of man (other than that emitted from an exhaust stack) or from natural events such as windborne dust. Construction dust is comprised primarily of chemically inert particles that are too large to enter the human respiratory tract when inhaled. Approximately 35 percent of total fugitive dust emissions is 10 microns or smaller.

Fugitive dust emissions vary greatly during construction and are dependent on the amount and type of activity, silt content of the soil, and the weather. Vehicles moving over paved and unpaved surfaces, demolition, excavation, earth movement, grading, and wind erosion from exposed surfaces are all sources of fugitive dust. As indicated above, fugitive dust emissions to the air basin resulting from construction of small projects are not expected to be significant within the project area; however, they could be perceived as a nuisance to the immediate area. Dust control during demolition and grading operations would be implemented to reduce potential nuisance impacts. Construction operations are subject to the particulate and fugitive dust requirements established in Regulation 4, Rules 52, 54, and 55 of the SDAPCD's rules and regulations. In general, implementation of these rules and the policies of the CPU and General Plan would preclude or reduce air quality impacts. However, it is possible that for certain projects, adherence to these regulations may not adequately reduce fugitive

dust. Therefore, a project specific air quality study would be required for future projects within the CPU.

6.2 Operation-related Emissions

6.2.1 Land Use Assumptions

For comparative purposes, air emissions were calculated for the existing land uses, the Adopted Community Plan in the year 2030, and the CPU in the year 2030 using CalEEMod. Table 7 summarizes the future land uses modeled in CalEEMod.

TABLE 7
FUTURE MODELED LAND USES

Land Uses[1]	Adopted Community Plan (Year 2030)	CPU (Year 2030)
Single-family Residential (du)	4,800	4,273
Multi-family Residential (du)	7,600	14,501
Park (acres)	64	161
Commercial/Mixed-Use (million square feet)	5.907	4.522
Institutional (million square feet)	13.421	15.224
Industrial (million square feet)	61.833	52.838

[1] Land use acreage obtained from Otay Mesa Community Plan Update 2011. Commercial and institutional square footages calculated from acreage assuming a 0.3 floor area ratio. Industrial square footages calculated from acreage assuming a 0.5 floor area ratio. Square footages used for GHG modeling may not exactly match traffic assumptions due to differences in calculation methods.

6.2.2 Mobile Source Assumptions

The CalEEMod defaults for mobile source parameters such as vehicle fleet mix and trip length were assumed. Trip generation rates were obtained from the Traffic Impact Analysis (Urban Systems Associates 2012). CalEEMod default settings were used for trip length, trip purpose, and trip type percentages (e.g., home to work, home to shop, home to other) for each land use type and quantity entered. The trip rates used for each land use subtype were edited to reflect the trip rates identified for each land use subtype in the traffic impact analysis.

6.2.3 Area Source Assumptions

CalEEMod estimates the emissions that would occur from the use of hearths, woodstoves, and landscaping equipment. This module also estimates emissions due to use of consumer products and architectural coatings that have VOC content. The use of hearths (fireplaces) and woodstoves directly emits air pollutants from the combustion of

natural gas, wood, or biomass. CalEEMod estimates emissions from hearths and woodstoves only for residential uses based on the type and size features of the residential land use inputs. By default, commercial land uses do not have any hearths or woodstoves in CalEEMod but can be added for those cases where they may occur such as in restaurants or hotels if such information is known. For this analysis, the model defaults were assumed for the existing development. It was assumed that there would be no woodstoves or fireplaces associated with additional new development.

The use of landscape equipment emits air pollutants associated with the equipment's fuel combustion. CalEEMod estimates the number and types of equipment needed based on the number of summer days given the project's location as entered in the project characteristics module. The model defaults for landscaping equipment were used.

6.2.4 Total Operational (Mobile and Area Source) Emissions

A summary of the modeling results, which includes both mobile and area source emissions, is shown in Table 8. Total emissions under the adopted community plan are projected to be greater than total emissions under the CPU for all pollutants. This is due to the decrease in development intensity under the CPU when compared to the adopted community plan. Therefore, while the CPU would result in emissions in excess of project-level thresholds, the CPU would be consistent with adopted regional air quality improvement plans and would actually represent a decrease in emissions used to develop the SDAPCD RAQS.

TABLE 8
AVERAGE DAILY OPERATIONAL EMISSIONS TO THE SAN DIEGO AIR BASIN
(pounds/day)

	Adopted Community Plan (Year 2030)			CPU (Year 2030)		
Season/ Pollutant	Area Source	Mobile Source	Total Emissions	Area Source	Mobile Source	Total Emissions
Summer						
ROG	3,145	2,769	5,914	2,893	2,725	5,619
NOx	5,605	12	5,617	5,166	18	5,184
CO	25,555	1,032	26,587	23,707	1,563	25,270
SO[1]	81	0	81	76	0	76
PM_{10}	9,246	6	9,252	8,644	9	8,653
$PM_{2.5}$	505	6	511	471	9	480
Winter						
ROG	3,318	2,769	6,087	3,059	2,725	5,784
NOx	5,785	12	5,797	5,338	18	5,356
CO	25,390	1,032	26,422	23,485	1,563	25,048
SO[1]	76	0	76	71	0	71
PM_{10}	9,248	6	9,254	8,646	9	8,655
$PM_{2.5}$	507	6	512	473	9	481

[1]Emissions calculated by CalEEMod are for SO_2.

Additionally, the regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies and recommendations of the General Plan. In general, implementation of the policies in the CPU and General Plan would preclude or reduce air quality impacts. However, it is possible that for certain projects, adherence to the regulations may not adequately protect air quality, and such projects would require additional measures to avoid or reduce significant air quality impacts. Thus, while the CPU would not conflict with, or obstruct the implementation of the SAPCD RAQS, air emissions associated with the adoption of the CPU could have a potentially significant impact on regional air quality.

6.2.5 Localized Carbon Monoxide Impacts

Localized CO concentration is a direct function of motor vehicle activity at signalized intersections (e.g., idling time and traffic flow conditions), particularly during peak commute hours and meteorological conditions. Under specific meteorological conditions (e.g., stable conditions that result in poor dispersion), CO concentrations may reach unhealthy levels with respect to local sensitive land uses. Guidance for the evaluation of CO hot spots is provided in the *Transportation Project-Level Carbon Monoxide Protocol* (CO protocol) (University of California, Davis 1997) prepared for the Environmental Program of the California Department of Transportation by the Institute of Transportation Studies, University of California Davis.

The SDAB is a CO maintenance area under the federal CAA. According to the CO Protocol, in maintenance areas, only projects that are likely to worsen air quality necessitate further analysis. The CO Protocol indicates projects may worsen air quality if they worsen traffic flow, defined as increasing average delay at signalized intersections operating at Level of Service (LOS) E or F or causing an intersection that would operate at LOS D or better without the project, to operate at LOS E or F. Unsignalized intersections are not evaluated as they are typically signalized as volumes increase and delays increase.

Based on the traffic study, 28 intersections were found to operate at LOS E or worse. Based on the CO Protocol, the three worst intersections were selected for a detailed CO Hot Spot analysis. These intersections are:

- Otay Mesa Road and Innovative Drive
- Old Otay Mesa Road and Beyer Boulevard
- Otay Valley Road and Heritage Road

CALINE4, a computer air emission dispersion model, was used to calculate CO concentrations at receivers located at each intersection. These concentrations were derived from inputs including traffic volumes, from the CPU traffic analysis, and emission factors from EMFAC2011 (State of California 2011).

These three intersections, under the adopted community plan and the CPU, were modeled in CALINE4 in order to determine if the CO emissions exceeded the thresholds. The results of the modeling are presented in Table 9.

TABLE 9
MAXIMUM BUILDOUT CO CONCENTRATIONS

Roadway	1-Hour CO ppm	1-Hour CO Standard CAAQS/ NAAQS	8-Hour CO ppm[1]	8-Hour CO Standard CAAQS/ NAAQS
Adopted Community Plan				
Otay Mesa Rd. and Innovative Drive	6.5	9.0/9	4.6	20/35
Otay Mesa Rd. and Beyer Blvd.	5.5		3.9	
Otay Valley Rd. and Heritage Rd.	8.0		5.6	
CPU				
Otay Mesa Rd. and Innovative Drive	5.7	9.0/9	4.0	20/35
Otay Mesa Rd. and Beyer Blvd.	5.7		4.0	
Otay Valley Rd. and Heritage Rd.	8.4		5.9	

[1] 8-hour concentrations developed based on a 0.7 persistence factor.

The existing ambient concentration of CO, 3.5 ppm for the area was taken from the highest recorded concentration at the Otay Mesa Air Quality Monitoring Station. This concentration was assumed for all three of these intersections in the existing and future conditions. The average regional temperature of 73°F was inserted as a model input and taken from the Western Regional Climate Center data. The hot spot analysis indicates that the increases of CO due to the CPU would be below the federal and state 1-hour standard. In order to determine the 8-hour concentration, the 1-hour value was multiplied by a persistence factor of 0.7, as recommended in the CO Protocol. Based on this calculation, increases of CO due to the CPU would be below the federal and state 8-hour standard. Therefore, there would be no harmful concentrations of CO and localized air quality emission would not exceed applicable standards under either the adopted community plan or the CPU.

6.2.6 Toxic Air Emissions

6.2.6.1 Stationary Sources

The CPU includes industrial uses which could generate air pollutants. Without appropriate controls, air emissions associated with planned industrial uses would represent a significant adverse air quality impact.

Stationary sources also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources of air pollution are regulated by the local air pollution control or management district, in this case the SDAPCD.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, AB 2588 was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

In accordance with AB 2588, any new facility proposed that would have the potential to emit toxic air contaminants would be required to assess air toxic problems that would result from their facility's emissions. Larger industrial facilities are required to provide information regarding emission inventories and health risk assessments. If adverse health impacts exceeding public notification levels are identified, the facility would provide public notice, and if the facility poses a potentially significant public health risk, the facility must submit a risk reduction audit and plan to demonstrate how the facility would reduce health risks.

6.2.6.2 Collocation

The CPU contains several areas where residential and other sensitive uses would be placed adjacent to industrial and commercial uses. These sensitive land uses would be exposed to toxic air emissions that have the potential to be generated with operation of certain commercial and industrial uses. The CARB and APCD provide guidance on siting land uses to avoid health risks and avoid nuisances. A common component of such guidance is the recommendation to site sensitive land uses outside specified buffers adjacent to or surrounding major emitters or facilities of concern. Table 10 summarizes the siting recommendations applicable to the CPU area. CARB recommends that these buffers be considered when evaluating land use and collocation decisions.

TABLE 10
CARB LAND USE SITING CONSTRAINTS

Source Category	Recommended Buffer Distance (feet)
Distribution Centers (that accommodate more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units per day, or where transport refrigeration unit operations exceed 300 hours per week)	1,000
Chrome Platers	1,000
Dry Cleaners using Perchloroethylene (1 machine)	300
Dry Cleaners using Perchloroethylene (2 machines)	500
Dry Cleaners using Perchloroethylene (3 or more machines)	Requires consultation with APCD
Large Gas Station (3.6 million gallons or more per year)	300
Other Gas Stations	50

SOURCE: State of California 2005.

7.0 Health Risk Assessment

7.1 Health Risk Assessment Process

7.1.1 Hazard Identification

Hazard identification is the process by which contaminants of concern are selected for investigation in the risk assessment and includes a review of the chemicals that are potentially released to the atmosphere from the equipment of concern. This assessment is focused on diesel particulate emissions from the vehicular traffic on major roadways and freeways.

7.1.2 Dose-Response Assessment

The dose-response assessment develops relationships between exposures to a given chemical and the corresponding potential health effects associated with exposure to that chemical. In general, data are limited regarding adverse effects associated with direct exposure of humans to a particular chemical. Therefore, animal experiments have often been performed to assess a chemical's toxicity. These experiments are conducted to determine the organs that are adversely affected by a toxic chemical and the amount of chemical needed to produce an adverse effect.

Two types of adverse health effects are generally considered in health risk assessments: carcinogenic and non-carcinogenic. Non-carcinogenic effects, such as liver or kidney

damage, may be either reversible or permanent. In these situations, it is assumed that there is a level of exposure at which these chemicals produce no adverse effects in the human body. In other words, exposure to these chemicals in amounts less than a threshold level will result in no adverse health effects.

Chemicals that potentially produce carcinogenic effects have been shown or are suspected to produce tumors in animals or humans. There are no threshold levels below which these chemicals are assumed not to have carcinogenic effects. Therefore, carcinogenic effects are assessed in terms of incremental or excess risks.

Toxicological properties and estimates of the dose-response relationships of the diesel particulate matter assessed in this risk assessment are provided by the California Office of Environmental Health Hazard Assessment (OEHHA) and CARB (State of California 2010b). For non-carcinogens, the Reference Exposure Level (REL) is identified. RELs represent a dose believed to be below the threshold for adverse non-carcinogenic health effects. For carcinogens, the cancer potency values (CPVs) are identified. The CPVs are expressed either as a "unit risk factor" [i.e., $(\mu g/m^3)^{-1}$] or as a "potency factor" in units of inverse dose as a potency slope [i.e., $(mg/kg\text{-}day)^{-1}$]. The OEHHA guidance recommends the use of inhalation cancer potency factors instead of unit risk factors (State of California 2003a). Therefore, this assessment utilizes the inhalation cancer potency factor. Table 11 summarizes the dose-response values for diesel particulate matter.

TABLE 11
DIESEL PARTICULATE MATTER RISK DATA

Substance	Acute Inhalation ($\mu g/m^3$)	8-hour Inhalation ($\mu g/m^3$)	Chronic Inhalation ($\mu g/m^3$)	Chronic Oral (mg/kg-d)	Inhalation Unit Risk $(\mu g/m^3)^{-1}$	Inhalation Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$
Diesel Particulate	--	--	5.0E + 00	--	3.0E – 04	1.1E + 00	--

$\mu g/m^3$ = micrograms per cubic meter
mg/kg-d = milligrams of dose per kilogram of body weight each day

7.1.3 Exposure Assessment

The exposure assessment identifies potential exposure pathways, estimates chemical concentrations at potential exposure points, and calculates expected doses of emitted substances. An exposure pathway is defined as the means by which an individual or a population is exposed to contaminants that originate from a source. Each pathway represents a different mechanism for exposure.

Four elements must be present in order for a potential human exposure pathway to exist.

- A source and mechanism of substance release to the environment
- An environmental transport medium (e.g., air, water, soil)
- An exposure point, or point of potential contact with the contaminated medium
- A receiver (i.e., human) with a route of entry (e.g., inhaling air, drinking water) at the point of contact.

The current risk assessment only considers substances that are released into the air and inhaled. It is noted that there are no designated agricultural uses within the plan area.

Ambient atmospheric concentrations resulting from emissions of diesel particulates are calculated using mathematical air dispersion models, which use emission rates and durations, design features specific to the emissions sources, and meteorological data. The air modeling results include annual average and hourly ambient air concentrations of the modeled substances at various receiver points. In order to evaluate human exposure, a human receiver with a route of exposure to the affected medium is required, such as a person inhaling air in a potentially affected area. Therefore, potential health risks are only evaluated for developed areas where humans typically are present. A quantitative estimate of potential human exposure is developed for the inhalation pathway in this study. All of the assumptions made for the exposure assessment are intended to overestimate the calculated health risk (i.e., to be “health conservative”).

7.1.4 Risk Characterization

Risk characterization is the process of combining dose-response information with the estimates of human exposure in order to derive a quantitative estimate of the likelihood that humans will experience any adverse health effects for the given exposure assumptions. As mentioned, two general types of health effects are generally considered: potential carcinogenic risks after chronic (long-term) exposure and potential non-carcinogenic health impacts following chronic and acute (short-term) exposure. For this assessment, only long-term carcinogenic and long-term non-carcinogenic (chronic) risks resulting from diesel particulate matter exposure are evaluated (acute health risks due to diesel particulate matter exposure have not been identified; see Table 11).

Typically, the potential risks are calculated at a given receiver for an emitted substance to estimate the individual risks associated with the release of the substance. The individual risks from each emitted substance are then combined to estimate the total potential health risks at that receiver. For the worst-case carcinogenic risk this receiver is a hypothetical maximally exposed individual (MEI) who is assumed to be exposed at a single location to the estimated maximum average concentrations of toxic chemicals emitted from a project for a 70-year lifetime. Using the hypothetical maximum impact for the risk analysis provides a health-conservative, upper-bound risk estimate of health

risks. The average person will not experience the high degree of exposure assumed for the MEI.

For non-carcinogenic risks, the worst-case chronic risk is based on the estimated maximum average annual concentrations of toxic chemicals emitted from a project or facility.

The "zone of impact" is the geographic area potentially affected by emissions from a facility or project. A common definition of the zone of impact for carcinogenic risks is the area exposed to an estimated residential carcinogenic risk of one excess incidence per million exposed people (1×10^{-6}) and greater. For non-carcinogenic substances, the zone of impact is generally the area exposed to a maximum off-site hazard index of 0.5 and greater. The zone of impact does *not* define significant impact areas. Rather, these areas require a greater level of consideration.

Under Proposition 65, the state of California considers an incremental excess cancer risk of less than 10 in 1,000,000 (10^{-5}) for each toxic chemical to be acceptable for involuntary exposure. For AB 2588, agencies in California have commonly established 10 in 1,000,000 as the risk threshold for notification; this threshold applies to the summed risk from all compounds emitted from a facility. For chronic health hazard indices, a value of 1 or greater is generally considered to be significant for the sum of all chemicals that affect a particular toxicological endpoint.

The APCD has adopted these values for notification of a potential air quality impact from permitted facilities. Furthermore, the APCD uses these thresholds (with the implementation of Toxics Best Available Control Technology) for the issuance of permits without the need for satisfying additional conditions specified in APCD Rule 1200 Section (d)(1)(iii). Therefore, for this analysis, an incremental cancer risk of greater than or equal to 10 in 1,000,000 to the MEI for exposure to diesel particulate emissions is considered significant. A hazard index greater than or equal to 1 for any toxicological endpoint is considered significant for chronic non-carcinogenic impacts.

7.1.5 Calculation of Health Risks

As discussed, the exposure and risk assessment methodology used in this analysis follows the OEHHA Risk Assessment Guidelines (State of California 2003a) and supplemental guidance from the APCD (County of San Diego 2006).

Carcinogenic health risk is determined by calculating the lifetime average daily dose based on several exposure assumptions, some of which are:

- Residency time at the receiver point
- Daily respiration rate

- Average body weight
- Pollutant concentration for each medium (air, water, soil, etc.)
- Ingestion rate of contaminated soil (oral exposure only)
- Ingestion rate of contaminated water (oral exposure only)
- Ingestion rate of contaminated food products (oral exposure only)

The dose calculations use the conservative exposure assumptions as recommended by OEHHA. Once the exposure dose has been determined, the carcinogenic health risk is calculated by applying the compound's potency risk factor. Total risk at a receiver is then determined by summing the pathway risks for each compound and then totaling the individual compound risks.

Potential non-carcinogenic health effects are evaluated by dividing each compound's modeled concentrations at each receiver by the REL to calculate an individual substance "hazard quotient." Overall, potential non-carcinogenic health effects at each receiver, for each toxicological endpoint, are then determined by taking the sum of the individual hazard quotients of each compound that impacts an endpoint to calculate the total endpoint hazard index.

The pollutant toxicity/carcinogenicity data used in this assessment are shown in Table 11. As indicated previously, air exposure is the only pathway considered in this analysis. For both carcinogenic and non-carcinogenic effects, the projected risks are reported for the point of maximum impact (PMI), the maximally exposed individual resident (MEIR), and the maximally exposed individual worker (MEIW).

Generally, health risk assessments evaluate the potential effects on the surrounding community due to operation of the facility under consideration. The PMI is defined as the receiver point(s) with the highest acute, chronic, or cancer health impacts outside of the facility boundary (defined as the property line). The MEIR is defined as the existing off-site residence(s) (e.g., house or apartment) with the highest acute, chronic, or cancer health impacts. The MEIW is defined as the highest acute, chronic, or cancer health impacts at an existing workplace off-site.

As noted, this assessment is not an evaluation of the potential effects associated with placing a polluting facility near sensitive uses. Rather, it is an evaluation of the potential effects associated with placing sensitive land uses in the vicinity of existing sources of air pollution. Therefore, this assessment evaluates the maximum potential health risk impacts (residential and worker) within the CPU area due to these existing external sources.

As mentioned previously, acute health effects have not been associated with diesel particulate emissions. Therefore, this assessment only considers carcinogenic and chronic non-carcinogenic effects.

7.1.5.1 Carcinogenic Risk

Carcinogenic risk characterization estimates the probability that cancer will occur in an individual in a potentially exposed population. For the inhalation pathway, the exposure point inhalation dose ($D_{OSE\text{-}INH}$) of a toxic substance (in milligrams of dose per kilogram of body weight each day [mg/kg BW-day]) is multiplied by the cancer potency risk factor that substance (in [mg/kg BW-day]$^{-1}$) to estimate the individual excess (incremental) cancer risk.

$$\text{individual excess cancer risk} = \mathrm{D}_{\text{OSE-INH}}\ (\text{mg/kg BW - day}) \times \mathrm{PF}\ (\text{mg/kg BW - day})^{-1}$$

The inhalation dose was calculated following the OEHHA guidance using the following equation (State of California 2003b):

$$D_{OSD-INH} = \frac{C_{AIR} * \{DBR\} * A * EF * ED * 10^{-6}}{AT}$$

where:

$D_{OSD-INH}$ = Dose through inhalation (mg/kg BW-day)

10^{-6} = Micrograms to milligrams conversion, Liters to cubic meters conversion

C_{AIR} = Concentration in air (µg/m^3)

{DBR} = Daily breathing rate $\left(\frac{L}{kg\ body\ weight - day}\right)$

A = Inhalation absorption factor

EF = Exposure frequency (days/year)

ED = Exposure duration (years)

AT = Averaging time period over which exposure is averaged, in days (e.g., 25,550 for 70 year cancer risk)

The average annual concentration of diesel particulates at each modeled receiver was calculated using air dispersion models as discussed in the following sections. The

recommended defaults were used for the other parameters as shown below (State of California 2003a):

A = 1

EF = 350 days/year

ED = 70 years

AT = 25,550 days

with the values for the daily breathing rate as shown in Table 12 (State of California 2003a, 2003b, 2008).

TABLE 12
POINT ESTIMATES FOR DAILY BREATHING RATE
FOR 9-, 30-, AND 70-YEAR EXPOSURE DURATIONS (DBR)
(L per kg body weight [BW] per day)

9-Year Exposure Duration		30- & 70-Year Exposure Duration			Off-site Worker[1]
Average	High End	Average (65th percentile)	80th Percentile	High End (95th percentile)	(Single Value)
452	581	271	302	393	149

[1] This value corresponds to a 70 kg worker breathing 1.3 m^3/hour for an 8-hour day. 1.3 m^3/hr is the breathing rate recommended by EPA (U.S. EPA 1997; State of California 2003a) as an hourly average for outdoor workers.

Nine- and 30-year exposure durations are representative of typical residency periods for adults. Additionally, the parameters used for 9-year exposure scenarios are for the first 9 years of life, and are thus protective of children. However, it is required that all health risk assessments address the 70-year lifetime exposure duration. Further, while the breathing rates of children are greater than that of adults as indicated by the 9-year exposure duration DBR values in Table 12, the 70-year lifetime exposure risk represents the greatest risk overall. As such, this assessment evaluates adverse impacts based on the 70-year cancer risk. As seen in Table 12, there are three values given for the 70-year exposure daily breathing rate. These values are the mean (65th percentile), 80th percentile, and high end (95th percentile) breathing rates used to estimate the range of risk. The Health Risk Assessments guidance recommends that the risk for all three breathing rates be identified in the assessment (State of California 2003a, 2003b). However, using the 80th percentile breathing rate is consistent with CARB guidance (State of California 2008):

> where a single cancer risk value (rather than a range of risk) is needed or prudent for characterizing risk or where a single risk value is used for (cancer) risk management decision-making for residential receptors.

Therefore, this discussion of residential incremental cancer risk in this assessment focuses on risks associated with the 80th percentile breathing rate and exposure over a 70-year period.

The 70-year lifetime exposure is used to evaluate potential risks to residential areas. However, potential risks to commercial areas are more accurately reflected by worker exposure. In general, it is assumed that workers that are affected by facility emissions would be exposed 8 hours per day, 5 days per week, 49 weeks per year, for 40 years (State of California 2003a; County of San Diego 2006). As indicated in Table 12, a worker is assumed to breathe 149 L/kg BW—day for an 8-hour workday. With these exposure adjustments, the adjustment factors shown in Table 13 were applied to the 70-year residential inhalation excess cancer risk estimates to obtain the worker inhalation incremental cancer risk estimate.

TABLE 13
ADJUSTMENT FACTORS TO CONVERT INHALATION-BASED CANCER RISK ESTIMATES FOR A RESIDENTIAL RECEIVER TO A WORKER RECEIVER

Worker Receiver Type (Hrs/Days/Weeks/Years)	Facility Operating Schedule (Hrs/Days/Weeks/Years)	Adjustment Factor	
		(High End)*	(Average)*
8/5/49/40	Continuous (24/7/52/70)	0.1516	0.2199
8/5/49/40	Standard (8/5/52/70)	0.6366	0.9234

*High end adjustment factors convert the residential receiver risk based on the high-end breathing rate point-estimate to a worker receiver risk. Average adjustment factors convert the residential receiver risk based on the average breathing rate point-estimate to a worker receiver risk.

(Note: there is no equivalent worker reduction for evaluating chronic risk). The surrounding sources were treated as continuous operations.

At each modeled location, the total lifetime incremental cancer risk is calculated by summing the cancer risks from all substances analyzed (in this case only diesel particulates). The incremental cancer risk is the likelihood (above the background cancer rate in the general population) that an individual will develop cancer during his or her lifetime as a result of exposure to a substance. The incremental cancer risk is expressed as a probability. For example, a risk of 10 in 1,000,000 (1×10^{-5}) means that, within an exposed population subject to the assumptions presented in the exposure assessment section, 10 additional individuals in one million would be expected to develop cancer during his or her lifetime. In other words, an individual would have an increased risk of 1 in 100,000 of getting cancer in their lifetime.

7.1.5.2 Chronic Non-carcinogenic Health Effects

Chronic (long-term) non-carcinogenic risk characterization is performed by comparing the estimated annual air concentration of the substance (C_{ANN}) with an REL. For each substance, the average annual concentration is divided by the REL to determine a chronic hazard quotient.

$$\text{chronichazardquotient} = \frac{C_{ANN}\left(\mu g/m^3\right)}{REL\left(\mu g/m^3\right)}$$

The hazard index, which provides a measure of total potential chronic non-carcinogenic health effects, is calculated for each receiver by summing the hazard quotients for all individual substances that impact the same toxicological endpoint. Again, for this study only inhalation of diesel particulate matter is considered. According to general risk policy, when an individual hazard quotient is less than or equal to one, the chronic REL has not been exceeded and no adverse chronic non-carcinogenic health effects are expected from that substance. Similarly, if the hazard index is greater than one, chronic non-carcinogenic effects resulting from exposure to the substances emitted may be possible.

7.2 Vehicular Diesel Emissions

7.2.1 Methodology

A health risk assessment was performed to consider the potential effects of placement of various land uses near I-805, SR-125, and SR-905 and major roadway carrying 50,000 average daily traffic (ADT) or more. This analysis includes a calculation of potential incremental cancer risks and chronic health hazard indices resulting from exposure to diesel particulates produced by vehicles using major roadways and freeways in the project area.

The calculation first involves generation of diesel particulate composite emission rates for the vehicle fleet using the EMFAC2011 program (State of California 2011). Diesel particulate emissions were assumed to be equal to the PM_{10} running exhaust emissions from diesel powered vehicles. Emission factors were calculated for annual average conditions for San Diego County. Other default parameters provided by the model for the SDAB were used in the calculation of emission factors for each type of vehicle in the fleet.

7.2.2 Emission Estimates

Using the vehicle emissions, diesel particulate matter composite emission rates were then generated, which assumed approximately 5 percent of total traffic are diesel-emitting vehicles. The assumption of approximately 5 percent traffic being diesel-emitting is based on EMFAC2011 for San Diego County. The average traffic speed for freeways was assumed to be 65 miles per hour (mph) for non-heavy trucks; the average traffic speed for the heavy trucks on SR-905 and I-805 to be 55 mph. The resulting composite emission factors were 0.17637 grams/mile (g/mi) at 55 mph and 0.2657 g/mi at 65 mph. The EMFAC2011 output is contained in Attachment 2.

These emission factors were then applied to the vehicles using the freeway and the resulting emissions were dispersed using the AERMOD dispersion model. The AERMOD results in predicted concentrations of diesel particulates at over a modeled grid spaced at approximately 150 meters by 150 meters resulting in 3,528 receptor locations throughout the community. AERMOD inputs included topographic and atmospheric data, and emissions rates for each segment of the freeway. The modeling did not include any existing or future intervening structures or other emission sources.

Future traffic volumes for I-805, SR-905, and SR-125 and major roads in the CPU area were obtained from the Traffic Impact Analysis prepared for the CPU (Urban Systems Associates 2012). The future I-805 traffic volume varies between 107,500 and 248,000 average daily traffic (ADT) depending on the freeway segment and alternative. The future SR-905 total traffic volume varies between 64,000 and 253,500 ADT depending on the alternative. The year 2030 SR-125 total traffic volume varies between 76,000 and 155,500 ADT depending on the alternative. The average annual hourly traffic volume was assumed to be 10 percent of the ADT. The width of the roadways was taken to be the approximate average width of the traveled roadway plus 3 meters on either side to represent a pollutant mixing zone (State of California 1989).

Calculations were made for a grid of receivers throughout the community, as shown in Figure 5. Figure 5 also includes the freeway roadway segments used in the model. Traffic volumes for freeway ramps were not provided in the traffic analysis report; thus, only the freeway main lines were modeled as shown in Figure 5.

7.2.3 Atmospheric Dispersion Modeling of Toxic Emissions

Version 12060 of the U.S. EPA-approved American Meteorological Society/EPA Regulatory Model (AERMOD) was used for the air dispersion modeling (U.S. EPA 2004a, 2011a). AERMOD is the successor to the U.S. EPA's Industrial Source Complex (ISC) model for use in regulatory modeling applications per the U.S. EPA's *Guideline on Air Quality Models* (Guideline), published as Appendix W to Title 40 of the Code of Federal Regulations, Part 51 (40 CFR 51 Appendix W).

The AERMOD model allows modeling of point, area, and volume sources. It utilizes detailed meteorology and includes various regulatory options including stack-tip downwash, a routine for processing averages when calm winds or missing meteorological data occur, consideration of building downwash, and elevated terrain. The following provides discussion of specific inputs to the AERMOD model.

7.2.3.1 Meteorological Data

The AERMOD model uses a file of surface boundary layer parameters (surface data) and a file of atmospheric profile variables including wind speed, wind direction, and turbulence parameters (upper air data). Upper air data are generally collected at fewer stations than surface data as upper air data are less influenced by local surface features. The Guideline (40 CFR 51 Appendix W § 8.3.1.2) specifies that generally five sequential years of data should be used in the risk assessment.

The National Weather Service (NWS) station nearest the project site that collects upper air data is at the Marine Corps Air Station (MCAS) Miramar. It was determined that the NWS station nearest the project site for which good quality surface data were available is the Lindbergh Field station (Hammer, pers. com. 2011). Figure 6 shows the proximity of these stations to the CPU area. Processed data, suitable for use in AERMOD, for the years 2006 through 2010 (the most recent years with consistent data available) were obtained for the MCAS Miramar and Lindbergh Field stations from Trinity Consultants, Inc. A wind rose of the surface data was created using the WRPLOT View software from Lakes Environmental Software (2011) for this 5-year period and is shown in Figure 7. The processed surface data obtained from Trinity Consultants were developed using 1-minute Automated Surface Observing System wind data and version 11059 of the AERMOD Meteorological Preprocessor program (U.S. EPA 2004b, 2011b).

7.2.3.2 Urban/Rural Dispersion Coefficients

The AERMOD model has the ability to incorporate the effects of increased surface heating from urban areas on pollutant dispersion under stable atmospheric conditions. The decision whether to use urban or rural dispersion coefficients is determined using the EPA's Guideline.

Per the Guideline (40 CFR 51 Appendix W § 7.2.3):

> b. The selection of either rural or urban dispersion coefficients in a specific application should follow one of the procedures suggested by Irwin (1978) and briefly described in paragraphs (c)–(f) of this subsection. These include a land use classification procedure or a population based procedure to determine whether the character of an area is primarily urban or rural.
>
> c. Land Use Procedure: (1) Classify the land use within the total area, A_O, circumscribed by a 3 km radius circle about the source using the meteorological land use typing scheme proposed by Auer (1978); (2) if land use types I1, I2, C1, R2, and R3 account for 50 percent or more of A_O, use urban dispersion coefficients; otherwise, use appropriate rural dispersion coefficients.

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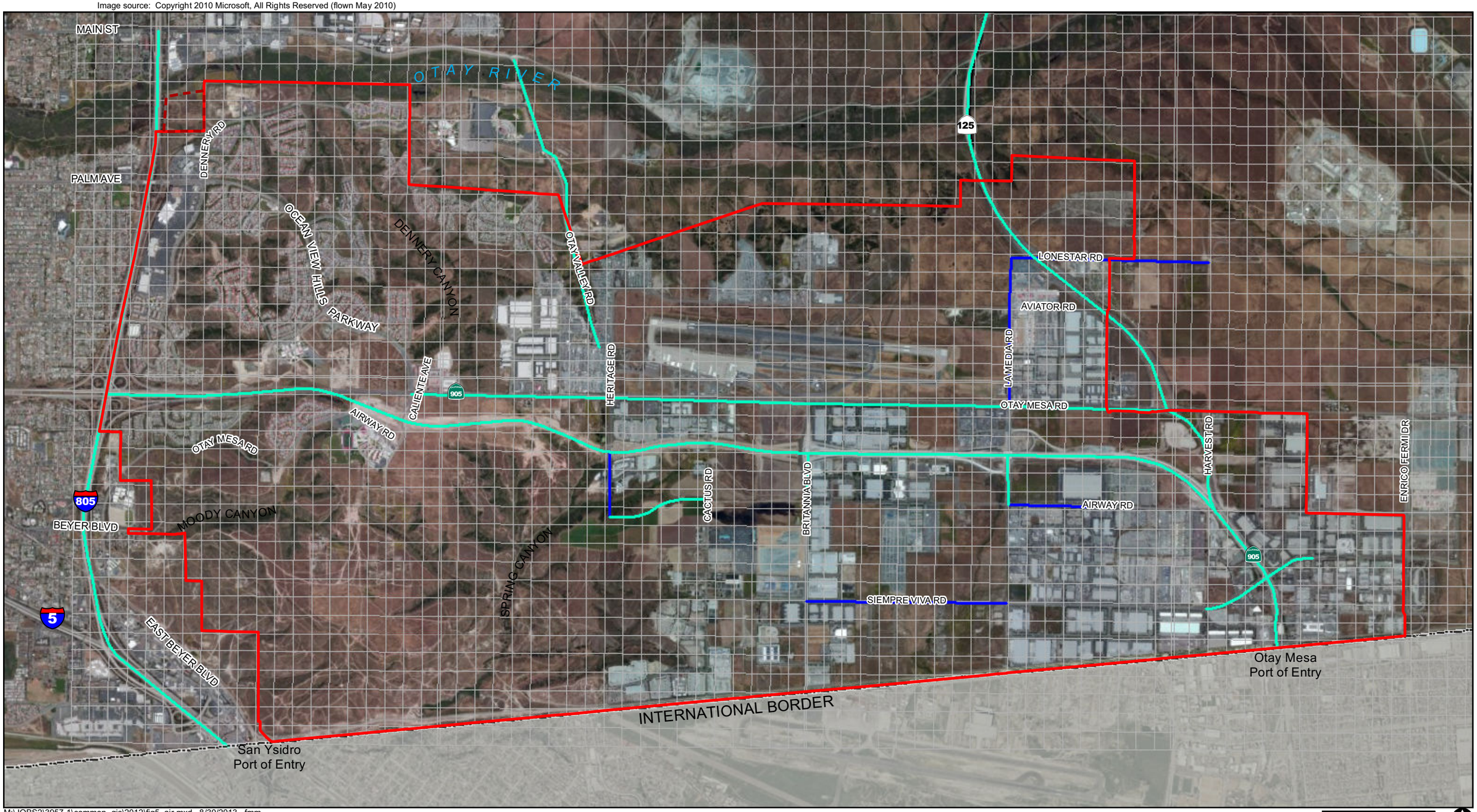

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0 Feet 3,000

Otay Mesa Community Plan Boundary
Not A Part
Community Plan Update Roadways
Adopted Community Plan Roadways
Receptor Grid

FIGURE 5

Receptor Grid and Modeled Roadway Segments

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0 Miles 4

Otay Mesa Community Plan Boundary

Surface Air Stations

FIGURE 6

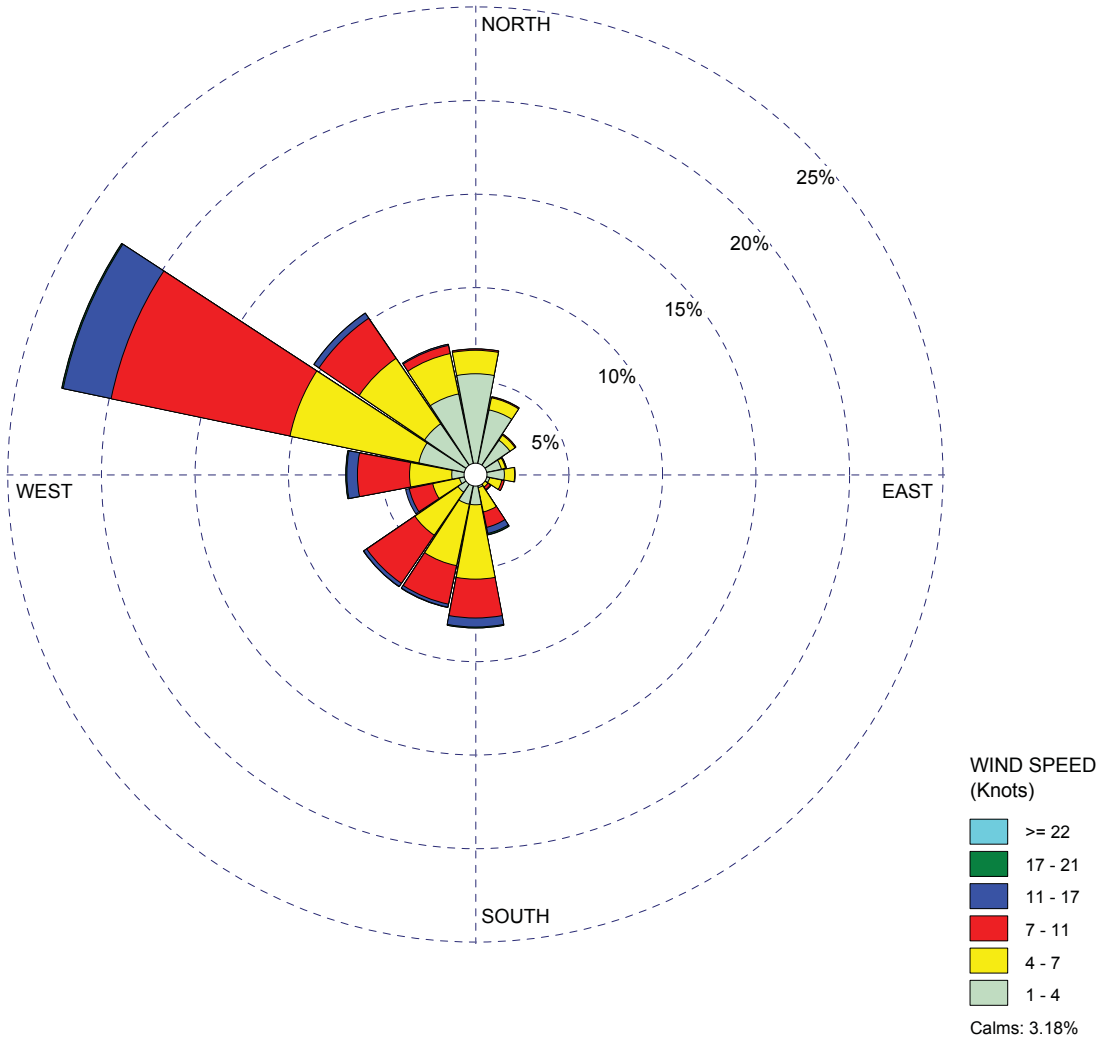
Meteorological Data Stations

WIND ROSE PLOT:

Station #23188
SAN DIEGO/LINDBERGH FIELD

DISPLAY:

Wind Speed
Direction (blowing from)



WRPLOT View - Lakes Environmental Software

FIGURE 7

Surface Wind Rose for Lindbergh Field 2006 to 2010

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d. Population Density Procedure: (1) Compute the average population density, $\bar{p}$ per square kilometer with A_O as defined above; (2) If $\bar{p}$ is greater than 750 people/km^2, use urban dispersion coefficients; otherwise use appropriate rural dispersion coefficients.

e. Of the two methods, the land use procedure is considered more definitive. Population density should be used with caution and should not be applied to highly industrialized areas where the population density may be low and thus a rural classification would be indicated, but the area is sufficiently built-up so that the urban land use criteria would be satisfied. In this case, the classification should already be ‘‘urban’’ and urban dispersion parameters should be used.

f. Sources located in an area defined as urban should be modeled using urban dispersion parameters. Sources located in areas defined as rural should be modeled using the rural dispersion parameters. For analyses of whole urban complexes, the entire area should be modeled as an urban region if most of the sources are located in areas classified as urban.

As seen in Figure 2 the area in and around the planning area generally rural in character.

Population data by census block for the area were obtained from SanGIS (2003 [the most recent detailed census block data available at the time of this analysis]). As the project is a large planning area with several types of land uses, rather than a single facility, the CPU area was considered an adequate sample area for determining the dispersion coefficient. Figure 8 shows the census blocks that are within the CPU boundary. Population data for partial census blocks are not available. Therefore, in Figure 8, census blocks are distinguished between those entirely contained within the CPU and those that are partially contained within the CPU. Using just those census blocks that are entirely within the CPU results in a calculated population density of approximately 379 people/km^2. although it is noted that much of this additional area is open water. The more conservative 379 people/km^2 is still below the 750 people/km^2. Therefore, the use of rural dispersion coefficients is appropriate.

7.2.3.3 Source Configuration

Given the relatively large size and complexity of the study, the roadways were represented by adjacent volume sources as described in the AERMOD and ISC User’s Guides (U.S. EPA 2004a and 1995a). The length of the sides of each volume source was set equal to the combined width of the roadway lines plus three meters, as

discussed previously. This results in a width of approximately 50 meters for freeway segments and 40 meters for major roadways.

When modeling volume sources, AERMOD does not calculate the initial plume rise due to momentum and buoyancy effects. Therefore, the initial release height for the moving exhaust plume was adjusted to account for the initial momentum and buoyancy plume rise (U.S. EPA 1995b). The plume release height was taken to be three times the initial height of the exhaust stack, 4.3 meters, above the ground, or approximately 12.8 meters.

7.2.3.4 Receivers

Pollutant concentrations were modeled at a series of grid receivers throughout the CPU area. As seen in Figure 5, the receiver grid has 150-meter spacing and extends across the CPU boundary. For this assessment, flat site topography was assumed. Thus, the non-default “FLAT” option was specified in AERMOD. Receivers were assumed to be at a height of 5 feet.

7.2.4 Results

A single AERMOD run was created for all roadway and freeway sources. The results of the run provide the total average annual diesel particulate matter concentrations at each modeled grid receiver. The resulting total average annual diesel particulate matter concentrations were then used to calculate the incremental cancer risk and chronic health hazard index at each receiver as described above. Attachment 3 contains the AERMOD input and output data sheets.

7.2.4.1 Carcinogenic Risk

As discussed previously, in general for health risk assessments it is recommended that the residential incremental cancer risk be reported for the average (65th percentile), 80th percentile, and high end (95th percentile) breathing rates. Isopleths of the residential incremental cancer risk for the 80th percentile under the Adopted Plan are shown in Figure 9 and the CPU in Figure 10. The results of this assessment indicate that the worst-case high end (95th percentile) residential incremental cancer risk due to diesel particulate matter emissions associated with operations in and adjacent to the SR-905 is 4.3 in one million. The location of the MEIR and MEIW locations are shown in Figure 10, which occur south of the SR-905 and east of Ocean View Hills Parkway for the MEIR and east of the SR-905 and south of Siempre Viva for the MEIW. The maximum concentrations higher than at these locations occur within the SR-905 right-of-way. This high end residential incremental cancer risk is less than the significance threshold of 10 in one million. Additionally, due to the lower exposure associated with the 65th percentile, 80th percentile, and worker incremental cancer risks at this location, would be less than

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0 Feet 3,000

Otay Mesa Community Plan Boundary
Not A Part
Census Blocks

FIGURE 8

Census Blocks and Modeled Roadways

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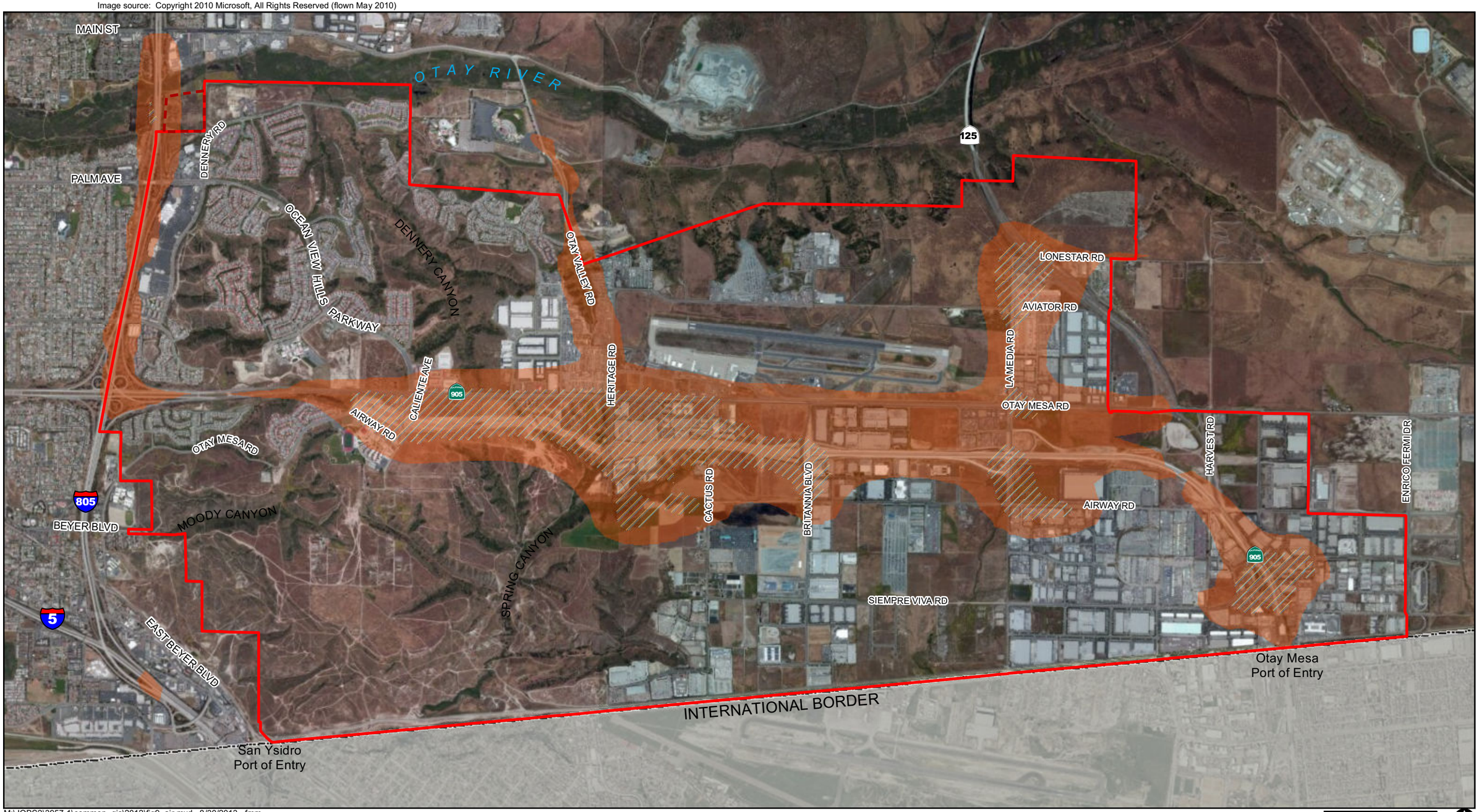
Image source: Copyright 2010 Microsoft, All Rights Reserved (flown May 2010)



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Otay Mesa Community Plan Boundary
Not A Part
Worker Exposure 1 in 1 million
Residential Exposure 1 in 1 million

FIGURE 9
Adopted Community Plan Incremental Cancer Risk for Existing Uses

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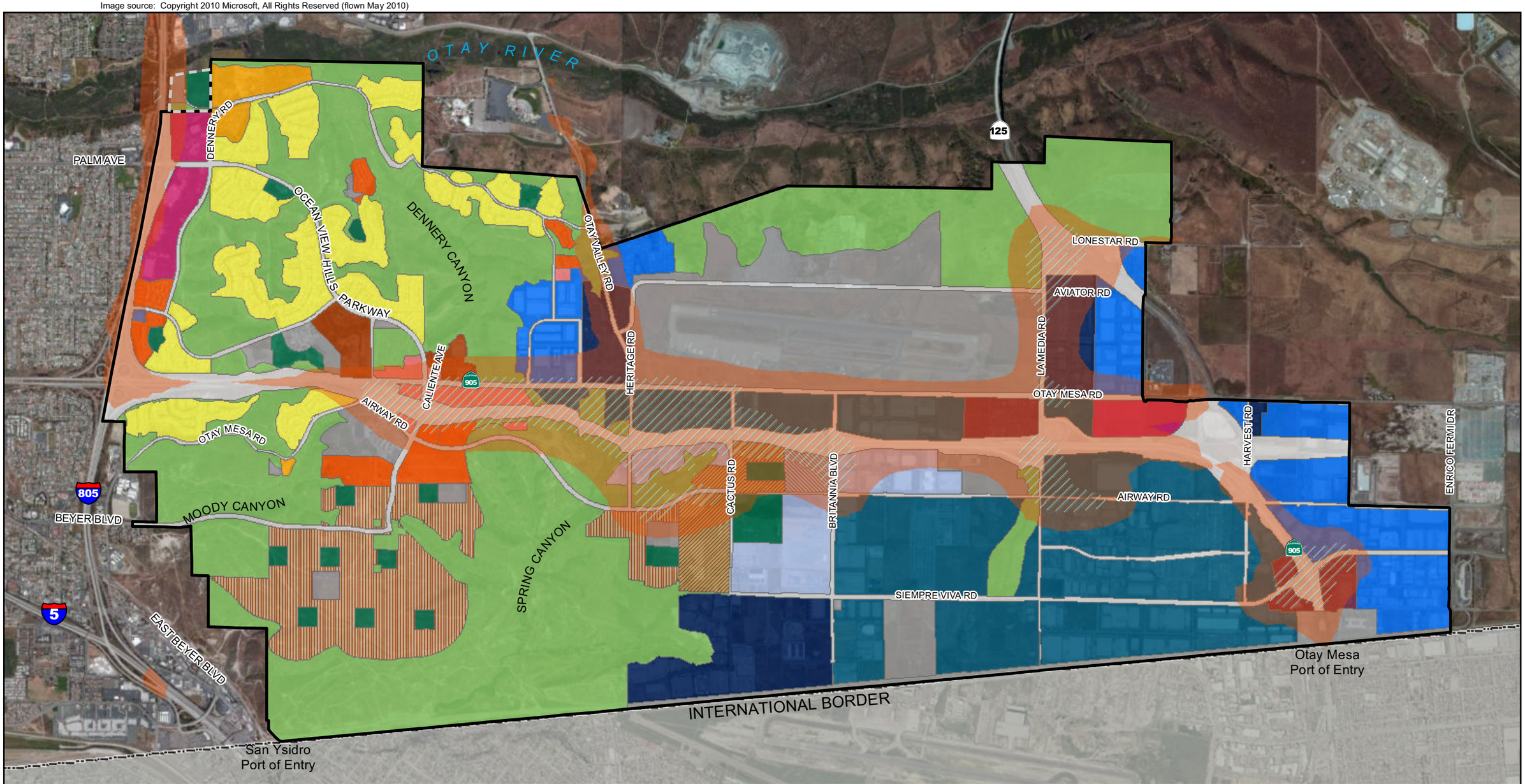
Image source: Copyright 2010 Microsoft, All Rights Reserved (flown May 2010)



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Otay Mesa Community Plan Boundary
Not A Part
Worker Exposure 1 in 1 million
Residential Exposure 1 in 1 million

Proposed Land Use Plan

Open Space, Parks, Institutional
- Open Space
- Parks
- Institutional

Village Centers
- Community Village
- Neighborhood Village

Residential
- Low
- Low Medium
- Medium
- Medium High

Commercial - Residential Prohibited
- Community Commercial
- Regional Commercial
- Heavy Commercial

Industrial
- Business Park - Office Permitted
- Business and International Trade
- Light Industrial
- Heavy Industrial
- Business Park - Residential Permitted

Other
- Right-of-Way

0 Feet 3,000

FIGURE 10
Community Plan Update
Incremental Cancer Risk for
Proposed Land Uses

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the 95th percentile value. At this point of maximum impact the average (65th percentile) residential incremental cancer risk is 2.9 in one million, the 80th percentile residential incremental cancer risk is 3.3 in one million, and the worker incremental cancer risk is 0.61 in one million. This location is immediately east of SR-905 south of Siempre Viva, an industrial area, as such, the worker incremental cancer risk would apply to this location. Thus, this impact would not be considered significant.

As seen from Figure 10, and as indicated above, the 80th percentile incremental cancer risk from diesel PM from vehicle operations is less than 10 in one million within the CPU area.

Figure 11 shows the locations of the modeled MEIR and MEIW for the CPU land uses. At the MEIR the average residential incremental cancer risk due to diesel particulates from the area traffic is 2.8 in one million; the 80th percentile residential incremental risk is 3.1 in one million; and the high-end residential incremental risk is 4.0 in one million. At the MEIW the worker incremental cancer risk due to diesel particulates is 0.57 in one million. These incremental cancers risks under the CPU are less than the risks calculated for the adopted plan. This is due to reduced overall traffic due to lower intensity development associated with the CPU.

There is no adopted standard for evaluating the diesel exhaust emission impacts due to vehicles traveling on local roadway and freeways. Therefore, the significance threshold of 10 in one million was used in evaluating the potential impacts from the vehicular sources. Thus the effects detailed above are considered to be less than significant. Therefore, incremental cancer risks to sensitive receivers due to area traffic are not anticipated to be significant.

7.2.4.2 Chronic Risk

The results of the modeling analysis indicate that the chronic hazard index is 0.19, below the significance threshold of 1.0. Chronic risks resulting from diesel particulate matter emissions associated with the vehicles operating within and adjacent to the CPU are not projected to be significant.

8.0 Conformance with Regional Plans and City Criteria

1. Would the proposed project obstruct or conflict with the implementation of the San Diego RAQS or applicable portions of the SIP?

As described above, the California Clean Air Act requires areas that are designated nonattainment of state ambient air quality standards for criteria pollutants to prepare and

implement plans to attain the standards by the earliest practicable date. The two pollutants addressed in the RAQS are VOCs and NOx, which are precursors to the formation of ozone. Projected increases in motor vehicle usage, population, and industrial growth create challenges in controlling emissions to maintain and further improve air quality. The RAQS, in conjunction with the TCM, were most recently adopted in 2009 as the air quality plan for the region. The basis for these plans is the distribution of population in the region as projected by SANDAG. Amending the adopted Otay Mesa Community Plan to change development potential would not necessarily result in an inconsistency between the current air quality plans (that are based on the adopted community plan) and the amended community plan as the focus of the RAQS is focused on emissions from the sources, not the actual land use.

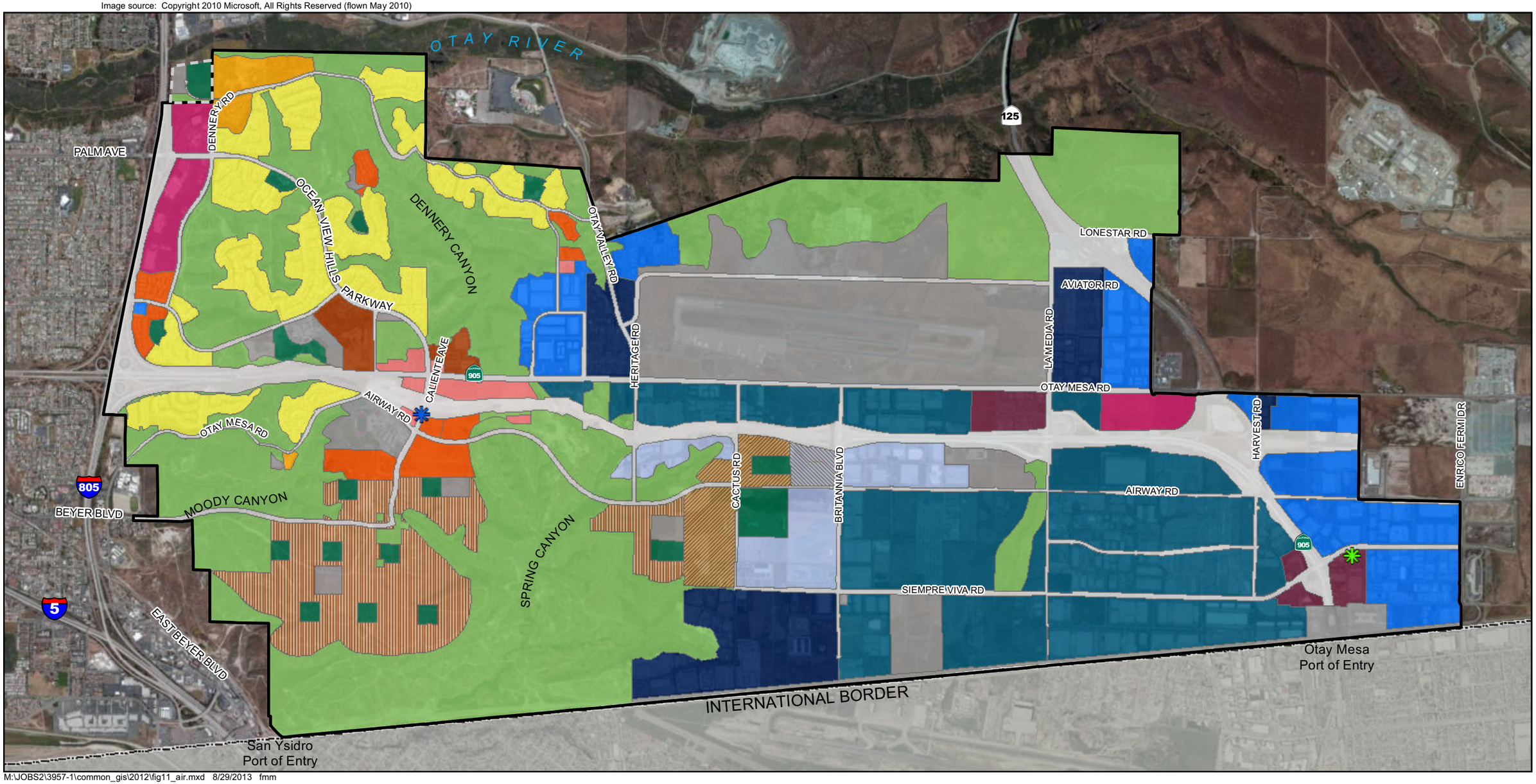
Relative to the adopted community plan, the CPU would:

- Increase the number of residential units by approximately 51 percent;
- Decrease the amount of land designated for commercial development by 30 percent
- Increase the amount of land designated for institutional development by 13 percent; and
- Decrease the amount of land designated for industrial use by 15 percent.

Development under the adopted community plan would generate approximately 1,166,438 vehicle trips per day. Development associated with the CPU land uses would result in approximately 1,045,025 vehicle trips per day, which is 121,413 fewer trips than what would occur under the adopted community plan (Urban Systems Associates 2012).

As shown in Table 8, area and mobile emissions under the CPU would be less than area and mobile emissions under the adopted community plan for all criteria pollutants. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed in General Plans. As such, projects that propose development that is consistent with the growth anticipated by SANDAG's growth projections and/or the General Plan would be consistent with the RAQS. Because the growth projections are based on the adopted community plan land uses, and because the CPU would result in less emissions than the adopted community plan, it can be concluded that the CPU would be consistent with the RAQS. Impacts would be less than significant.

Image source: Copyright 2010 Microsoft, All Rights Reserved (flown May 2010)



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Otay Mesa Community Plan Boundary
Not A Part

CPU Receptors

MEIR
MEIW

Proposed Land Use Plan

Open Space, Parks, Institutional

Open Space
Parks
Institutional

Village Centers

Community Village
Neighborhood Village

Residential

Low
Low Medium
Medium
Medium High

Commercial - Residential Prohibited

Community Commercial
Regional Commercial
Heavy Commercial

Industrial

Business Park - Office Permitted
Business and International Trade
Light Industrial
Heavy Industrial
Business Park - Residential Permitted

Other

Right-of-Way

0 Feet 3,000

FIGURE 11
Maximum Exposed Individual
Community Plan Update

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2. Would the proposed project result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?

CO Hotspots

The CPU would potentially result in localized CO impacts at 28 intersections. Based on a review of the 28 intersection, the three intersections with the greatest delay and traffic volumes were selected for detailed CO analyses. Concentrations were calculated at Otay Mesa Road and Innovative Drive, Old Otay Mesa Road and Beyer Boulevard, and Otay Valley Road and Heritage Road. Based on the detailed analysis the highest concentrations would occur at Otay Valley Road and Heritage Road and maximum 1-hour concentrations would be approximately 8.4 ppm, while 8-hour concentrations would be approximately 5.9 ppm. These levels are below the 1- and 8-hour standards. Thus, the CPU would not result in adverse localized concentrations of CO emissions.

Stationary Sources

Stationary sources contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources of air pollution are regulated by the SDAPCD. The CPU includes land uses with the potential to generate air pollutants. Specific project-level design information is needed to determine stationary source emission impacts. Therefore, at the program-level, impacts would be potentially significant.

Collocation

Future projects containing sensitive uses located within the buffer distances of the facilities indicated in Table 10, receptors would be exposed to toxic air emissions. Impacts would be significant.

As noted above, the region is not in compliance with the standards for criteria pollutants for ozone, PM_{10} and the state standard for $PM_{2.5}$. Contributions to these pollutants are analyzed in accordance with Threshold 3 below.

3. Would the proposed project 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 (including release emissions which exceed quantitative thresholds for ozone precursors)?

The region is classified as non-attainment for ozone, PM_{10}, and $PM_{2.5}$. The SDAB is non-attainment for the 8-hour federal and state ozone standards, and non-attainment for the state PM_{10} and $PM_{2.5}$ standards. Ozone is not emitted directly, but is a result of atmospheric activity on precursors. Nitrogen oxides and hydrocarbons (reactive organic gases) are known as the chief “precursors” of ozone. These compounds react in the presence of sunlight to produce ozone.

Emissions due to construction of individual projects are not expected to exceed the applicable project-level thresholds. Approval of the CPU would not permit the construction of any individual project, and no specific development details are available at this time. The information related to construction is presented in Section 6.1 to illustrate the potential scope of air impacts for future projects that could be reviewed under the proposed community plan. While the analysis indicates the modeled scenarios would not exceed the City's standards, due to the lack of project specific details, project-specific air quality studies would be required for future projects within the CPU to verify compliance at the project-level.

Long-term emissions of air pollutants occur from area and mobile sources. Area source pollutant emissions include those generated by the consumption of natural gas and electricity for space and water heating and the burning of wood in residential fireplaces. Vehicle travel would generate mobile source emissions including carbon monoxide, nitrogen oxides, and hydrocarbons

Total future ROG, SO_2, PM_{10}, and $PM_{2.5}$ emissions under the adopted community plan and CPU are projected to be greater than existing emissions. This is due to the increase in development associated with buildout of the various plans. Total future NO_X and CO emissions under the adopted community plan and the CPU are projected to be less than existing emissions. This reduction in emissions is primarily related to anticipated reductions in vehicular emissions over time. Total emissions under the adopted community plan are projected to be greater than total emissions under the CPU for all pollutants. This is due to the decrease in development intensity under the CPU when compared to the adopted community plan.

4. Would the proposed project expose sensitive receptors to substantial pollutant concentration including air toxics such as diesel particulates?

CO Hotspots

There would be no harmful concentrations of CO and localized air quality emission would not exceed applicable standards under either the Adopted community plan or the CPU, therefore sensitive receptors would not be exposed to substantial pollutant concentrations.

Diesel Particulates

A single AERMOD run was created for all roadway and freeway sources. The resulting total average annual diesel particulate matter concentrations were then used to calculate the incremental cancer risk and chronic health hazard index at each receiver as described above. In general for health risk assessments it is recommended that the residential incremental cancer risk be reported for the average (65th percentile), 80th percentile, and high end (95th percentile) breathing rates. The results of these

assessments indicate that for these percentiles the residential and worker incremental cancer risk, due to diesel particulate matter emissions associated with operations in the project area, are less than 10 in a million. Thus this impact would not be considered significant.

The results of the modeling analysis were also used to calculate chronic non-carcinogenic risks. The results indicate that the maximum chronic hazard index at any of the modeled receivers is 0.19, below the significance threshold of 1.0. The location of this maximum impact occurs at the same location as the maximum incremental cancer risk previously referenced. Chronic risks resulting from diesel particulate matter emissions associated with the vehicles operating within and adjacent to the CPU are not projected to be significant.

Stationary Sources

It is possible that industries that generate air pollutants would be developed within these areas. Specific project-level design information is needed to determine stationary source emission impacts. Therefore, at the program-level, impacts would be potentially significant.

Collocation

Sensitive uses located within the buffer distances of the facilities indicated in Table 10 would be exposed to toxic air emissions. Impacts would be significant.

5. Would the proposed project create objectionable odors affecting a substantial number of people?

The Otay Landfill is located in the city of Chula Vista north of the Otay Mesa community. However, the landfill is located more than 1,000 feet from the northern project boundary. There are currently no odor generators on or near the project site.

Although the CPU area is adjacent to numerous industrial operations, there are no known sources of specific, long-term odors in the area. There are no agricultural operations in the CPU area. The CPU would allow a variety of land uses that are not typically associated with the creation of objectionable odors. The CPU does not propose any specific new sources of odor that could affect sensitive receptors. Impacts associated with odors are anticipated to be less than significant.

9.0 Conclusions and Recommendations

9.1 Consistency with Regional Plans

The criteria pollutant emissions of concern under the CPU are calculated to be less than those anticipated to occur under the adopted community plan. Therefore, the CPU land use changes would be consistent with the adopted air quality plans.

9.2 Criteria Pollutants

Total future ROG, SO_2, PM_{10}, and $PM_{2.5}$ emissions under the adopted community plan and CPU are projected to be greater than existing emissions. This is due to the increase in development associated with buildout of the various plans. Total future emissions under the adopted community plan are projected to be greater than total emissions under the CPU for all pollutants. This is due to the decrease in development intensity under the CPU when compared to the adopted community plan. While identified regulations would reduce emissions and may preclude many potential impacts, as no project specific data is available at this time air emissions from the future developments within the CPU area cannot be adequately quantified, this impact would be significant.

The increase in future emissions of particulates and ozone precursors associated with the CPU would result in a significant air quality impact. The following mitigation framework shall be implemented; however, impacts would remain significant at the program-level.

AQ-1. For projects that would exceed daily construction emissions thresholds established by the City of San Diego, best available control measures/technology shall be incorporated to reduce construction emissions to below daily emission standards established by the City of San Diego. Best available control measures/technology shall include:

a) Minimizing simultaneous operation of multiple pieces of construction equipment;

b) Use of more efficient, or low pollutant emitting, equipment, e.g., Tier III or IV rated equipment;

c) Use of alternative fueled construction equipment;

d) Dust control measures for construction sites to minimize fugitive dust, e.g. watering, soil stabilizers, and speed limits; and

e) Minimizing idling time by construction vehicles.

AQ-2. Development that would significantly impact air quality, either individually or cumulatively, shall receive entitlement only if it is conditioned with all reasonable mitigation to avoid, minimize, or offset the impact. As a part of this process, future projects shall be required to buffer sensitive receptors from air pollution sources through the use of landscaping, open space, and other separation techniques.

9.3 CO Hotspots

The hot spot analysis indicates that the increases of CO due to the CPU would be below the federal and state 1-hour standard. Therefore, there would be no harmful concentrations of CO and localized air quality emission would not exceed applicable standards under either the adopted community plan or the CPU.

9.4 Diesel Particulate Matter

The AERMOD analysis indicates that the carcinogenic risks associated with operations would be less than 10 in a million within the CPU area, thus this impact would be less than significant. The analysis also indicates that the non-carcinogenic risks are measured to have a maximum chronic hazard index below the significance threshold of 1.0. Chronic risks resulting from diesel particulate matter emissions are not projected to be significant.

9.5 Stationary Sources

AQ-3. Prior to the issuance of building permits for any new facility that would have the potential to emit toxic air contaminants, in accordance with AB 2588, an emissions inventory and health risk assessment shall be prepared. If adverse health impacts exceeding public notification levels are identified, the facility shall provide public notice, and if the facility poses a potentially significant public health risk, the facility shall submit a risk reduction audit and plan to demonstrate how the facility would reduce health risks.

9.6 Collocation

AQ-4. Prior to the issuance of building permits for any facility identified in Table 10 which is located closer than the identified buffer distances to any residential use shall prepare a health risk assessment demonstrating that health risks would be below a level of significance.

9.7 Odors

The CPU does not propose any specific new sources of odor that could affect sensitive receptors. Impacts associated with odors are anticipated to be less than significant.

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ATTACHMENT 1

CalEEMod Data Sheets

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3957.1 Otay Mesa CPU - Large Project Construction

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	500	Dwelling Unit
Elementary School	450	Student
High School	1200	Student

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Demolition -

Architectural Coating - CalGreen VOC limit = 150 g/L

Construction Phase -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	1.60	13.15	7.26	0.01	2.46	0.66	3.11	1.15	0.66	1.81	0.00	1,147.53	1,147.53	0.13	0.00	1,150.27
2012	1.47	11.33	7.19	0.01	1.53	0.57	2.10	0.56	0.57	1.13	0.00	1,224.45	1,224.45	0.12	0.00	1,226.94
2013	1.05	6.61	6.50	0.01	0.48	0.38	0.86	0.01	0.37	0.38	0.00	1,060.87	1,060.87	0.08	0.00	1,062.60
2014	0.96	6.11	6.19	0.01	0.48	0.34	0.82	0.01	0.33	0.34	0.00	1,054.85	1,054.85	0.08	0.00	1,056.44
2015	0.89	5.59	5.92	0.01	0.48	0.30	0.79	0.01	0.30	0.31	0.00	1,048.41	1,048.41	0.07	0.00	1,049.87
2016	0.82	5.13	5.68	0.01	0.48	0.27	0.75	0.01	0.27	0.28	0.00	1,041.71	1,041.71	0.06	0.00	1,043.06
2017	0.75	4.69	5.44	0.01	0.48	0.24	0.72	0.01	0.24	0.25	0.00	1,031.55	1,031.55	0.06	0.00	1,032.78
2018	0.70	4.31	5.27	0.01	0.48	0.22	0.70	0.01	0.21	0.22	0.00	1,029.72	1,029.72	0.05	0.00	1,030.87
2019	0.65	3.97	5.11	0.01	0.48	0.19	0.67	0.01	0.19	0.20	0.00	1,024.48	1,024.48	0.05	0.00	1,025.54
2020	0.61	3.67	4.99	0.01	0.48	0.17	0.66	0.01	0.17	0.18	0.00	1,023.57	1,023.57	0.05	0.00	1,024.55
2021	0.56	3.37	4.86	0.01	0.48	0.15	0.63	0.01	0.15	0.16	0.00	1,017.71	1,017.71	0.04	0.00	1,018.62
2022	0.53	3.12	4.73	0.01	0.48	0.13	0.61	0.01	0.13	0.14	0.00	1,009.78	1,009.78	0.04	0.00	1,010.63
2023	0.50	2.90	4.64	0.01	0.48	0.12	0.60	0.01	0.12	0.12	0.00	1,006.08	1,006.08	0.04	0.00	1,006.89
2024	0.42	2.48	3.67	0.01	0.27	0.13	0.39	0.00	0.12	0.13	0.00	707.99	707.99	0.03	0.00	708.68
2025	7.42	0.87	1.25	0.00	0.06	0.05	0.11	0.00	0.05	0.05	0.00	186.57	186.57	0.01	0.00	186.84

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	2.55	0.04	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	18.07	18.07	0.00	0.00	18.08
Total	**21.48**	**77.34**	**78.80**	**0.14**	**9.62**	**3.92**	**13.54**	**1.82**	**3.88**	**5.70**	**0.00**	**14,633.34**	**14,633.34**	**0.91**	**0.00**	**14,652.66**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	1.60	13.15	7.26	0.01	2.43	0.66	3.09	1.15	0.66	1.81	0.00	1,147.53	1,147.53	0.13	0.00	1,150.27
2012	1.47	11.33	7.19	0.01	1.35	0.57	1.93	0.56	0.57	1.13	0.00	1,224.45	1,224.45	0.12	0.00	1,226.94
2013	1.05	6.61	6.50	0.01	0.02	0.38	0.40	0.01	0.37	0.38	0.00	1,060.87	1,060.87	0.08	0.00	1,062.60
2014	0.96	6.11	6.19	0.01	0.02	0.34	0.36	0.01	0.33	0.34	0.00	1,054.85	1,054.85	0.08	0.00	1,056.44
2015	0.89	5.59	5.92	0.01	0.02	0.30	0.33	0.01	0.30	0.31	0.00	1,048.41	1,048.41	0.07	0.00	1,049.87
2016	0.82	5.13	5.68	0.01	0.02	0.27	0.30	0.01	0.27	0.28	0.00	1,041.71	1,041.71	0.06	0.00	1,043.06
2017	0.75	4.69	5.44	0.01	0.02	0.24	0.27	0.01	0.24	0.25	0.00	1,031.55	1,031.55	0.06	0.00	1,032.78
2018	0.70	4.31	5.27	0.01	0.02	0.22	0.24	0.01	0.21	0.22	0.00	1,029.72	1,029.72	0.05	0.00	1,030.87
2019	0.65	3.97	5.11	0.01	0.02	0.19	0.22	0.01	0.19	0.20	0.00	1,024.48	1,024.48	0.05	0.00	1,025.54
2020	0.61	3.67	4.99	0.01	0.02	0.17	0.20	0.01	0.17	0.18	0.00	1,023.57	1,023.57	0.05	0.00	1,024.55
2021	0.56	3.37	4.86	0.01	0.02	0.15	0.18	0.01	0.15	0.16	0.00	1,017.71	1,017.71	0.04	0.00	1,018.62
2022	0.53	3.12	4.73	0.01	0.02	0.13	0.16	0.01	0.13	0.14	0.00	1,009.78	1,009.78	0.04	0.00	1,010.63
2023	0.50	2.90	4.64	0.01	0.02	0.12	0.14	0.01	0.12	0.12	0.00	1,006.08	1,006.08	0.04	0.00	1,006.89
2024	0.42	2.48	3.67	0.01	0.01	0.13	0.14	0.00	0.12	0.13	0.00	707.99	707.99	0.03	0.00	708.68
2025	7.42	0.87	1.25	0.00	0.00	0.05	0.06	0.00	0.05	0.05	0.00	186.57	186.57	0.01	0.00	186.84
2026	2.55	0.04	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.07	18.07	0.00	0.00	18.08
Total	**21.48**	**77.34**	**78.80**	**0.14**	**4.01**	**3.92**	**8.02**	**1.82**	**3.88**	**5.70**	**0.00**	**14,633.34**	**14,633.34**	**0.91**	**0.00**	**14,652.66**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	37.47	0.47	42.60	0.02		0.00	5.48		0.00	5.48	516.48	655.94	1,172.42	0.49	0.05	1,197.81
Energy	0.11	0.94	0.42	0.01		0.00	0.08		0.00	0.08	0.00	2,633.50	2,633.50	0.08	0.04	2,648.07
Mobile	8.15	17.55	85.56	0.10	9.85	0.65	10.51	0.16	0.58	0.73	0.00	9,430.70	9,430.70	0.58	0.00	9,442.95
Waste						0.00	0.00		0.00	0.00	180.14	0.00	180.14	10.65	0.00	403.71
Water						0.00	0.00		0.00	0.00	0.00	325.40	325.40	1.20	0.03	361.19
Total	**45.73**	**18.96**	**128.58**	**0.13**	**9.85**	**0.65**	**16.07**	**0.16**	**0.58**	**6.29**	**696.62**	**13,045.54**	**13,742.16**	**13.00**	**0.12**	**14,053.73**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	37.47	0.47	42.60	0.02		0.00	5.48		0.00	5.48	516.48	655.94	1,172.42	0.49	0.05	1,197.81
Energy	0.11	0.94	0.42	0.01		0.00	0.08		0.00	0.08	0.00	2,633.50	2,633.50	0.08	0.04	2,648.07
Mobile	8.15	17.55	85.56	0.10	9.85	0.65	10.51	0.16	0.58	0.73	0.00	9,430.70	9,430.70	0.58	0.00	9,442.95
Waste						0.00	0.00		0.00	0.00	180.14	0.00	180.14	10.65	0.00	403.71
Water						0.00	0.00		0.00	0.00	0.00	325.40	325.40	1.20	0.03	361.19
Total	**45.73**	**18.96**	**128.58**	**0.13**	**9.85**	**0.65**	**16.07**	**0.16**	**0.58**	**6.29**	**696.62**	**13,045.54**	**13,742.16**	**13.00**	**0.12**	**14,053.73**

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.08	0.00	1.08	0.60	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.66	5.38	3.03	0.00		0.28	0.28		0.28	0.28	0.00	435.21	435.21	0.05	0.00	436.33
Total	**0.66**	**5.38**	**3.03**	**0.00**	**1.08**	**0.28**	**1.36**	**0.60**	**0.28**	**0.88**	**0.00**	**435.21**	**435.21**	**0.05**	**0.00**	**436.33**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.08	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	10.05	10.05	0.00	0.00	10.07
Total	**0.01**	**0.01**	**0.08**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**10.05**	**10.05**	**0.00**	**0.00**	**10.07**

3.2 Site Preparation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.08	0.00	1.08	0.60	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.66	5.38	3.03	0.00		0.28	0.28		0.28	0.28	0.00	435.21	435.21	0.05	0.00	436.33
Total	**0.66**	**5.38**	**3.03**	**0.00**	**1.08**	**0.28**	**1.36**	**0.60**	**0.28**	**0.88**	**0.00**	**435.21**	**435.21**	**0.05**	**0.00**	**436.33**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.05	10.05	0.00	0.00	10.07
Total	**0.01**	**0.01**	**0.08**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**10.05**	**10.05**	**0.00**	**0.00**	**10.07**

3.3 Grading - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.34	0.00	1.34	0.56	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.92	7.75	4.04	0.01		0.38	0.38		0.38	0.38	0.00	689.24	689.24	0.07	0.00	690.81
Total	**0.92**	**7.75**	**4.04**	**0.01**	**1.34**	**0.38**	**1.72**	**0.56**	**0.38**	**0.94**	**0.00**	**689.24**	**689.24**	**0.07**	**0.00**	**690.81**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.03	13.03	0.00	0.00	13.05
Total	**0.01**	**0.01**	**0.11**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**13.03**	**13.03**	**0.00**	**0.00**	**13.05**

3.3 Grading - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.34	0.00	1.34	0.56	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.92	7.75	4.04	0.01		0.38	0.38		0.38	0.38	0.00	689.24	689.24	0.07	0.00	690.81
Total	**0.92**	**7.75**	**4.04**	**0.01**	**1.34**	**0.38**	**1.72**	**0.56**	**0.38**	**0.94**	**0.00**	**689.24**	**689.24**	**0.07**	**0.00**	**690.81**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.03	13.03	0.00	0.00	13.05
Total	**0.01**	**0.01**	**0.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**13.03**	**13.03**	**0.00**	**0.00**	**13.05**

3.3 Grading - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.34	0.00	1.34	0.56	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.06	8.83	4.68	0.01		0.43	0.43		0.43	0.43	0.00	836.94	836.94	0.09	0.00	838.75
Total	**1.06**	**8.83**	**4.68**	**0.01**	**1.34**	**0.43**	**1.77**	**0.56**	**0.43**	**0.99**	**0.00**	**836.94**	**836.94**	**0.09**	**0.00**	**838.75**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.12	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.48	15.48	0.00	0.00	15.51
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**15.48**	**15.48**	**0.00**	**0.00**	**15.51**

3.3 Grading - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.34	0.00	1.34	0.56	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.06	8.83	4.68	0.01		0.43	0.43		0.43	0.43	0.00	836.94	836.94	0.09	0.00	838.75
Total	**1.06**	**8.83**	**4.68**	**0.01**	**1.34**	**0.43**	**1.77**	**0.56**	**0.43**	**0.99**	**0.00**	**836.94**	**836.94**	**0.09**	**0.00**	**838.75**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.48	15.48	0.00	0.00	15.51
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**15.48**	**15.48**	**0.00**	**0.00**	**15.51**

3.4 Building Construction - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.26	1.70	1.08	0.00		0.12	0.12		0.12	0.12	0.00	166.74	166.74	0.02	0.00	167.18
Total	**0.26**	**1.70**	**1.08**	**0.00**		**0.12**	**0.12**		**0.12**	**0.12**	**0.00**	**166.74**	**166.74**	**0.02**	**0.00**	**167.18**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.06	0.70	0.45	0.00	0.03	0.02	0.06	0.00	0.02	0.02	0.00	96.29	96.29	0.00	0.00	96.35
Worker	0.08	0.09	0.85	0.00	0.14	0.01	0.14	0.00	0.00	0.01	0.00	109.00	109.00	0.01	0.00	109.16
Total	**0.14**	**0.79**	**1.30**	**0.00**	**0.17**	**0.03**	**0.20**	**0.00**	**0.02**	**0.03**	**0.00**	**205.29**	**205.29**	**0.01**	**0.00**	**205.51**

3.4 Building Construction - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.26	1.70	1.08	0.00		0.12	0.12		0.12	0.12	0.00	166.74	166.74	0.02	0.00	167.18
Total	**0.26**	**1.70**	**1.08**	**0.00**		**0.12**	**0.12**		**0.12**	**0.12**	**0.00**	**166.74**	**166.74**	**0.02**	**0.00**	**167.18**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.06	0.70	0.45	0.00	0.00	0.02	0.03	0.00	0.02	0.02	0.00	96.29	96.29	0.00	0.00	96.35
Worker	0.08	0.09	0.85	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	109.00	109.00	0.01	0.00	109.16
Total	**0.14**	**0.79**	**1.30**	**0.00**	**0.01**	**0.03**	**0.04**	**0.00**	**0.02**	**0.03**	**0.00**	**205.29**	**205.29**	**0.01**	**0.00**	**205.51**

3.4 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.67	4.52	3.06	0.01		0.30	0.30		0.30	0.30	0.00	478.23	478.23	0.05	0.00	479.38
Total	**0.67**	**4.52**	**3.06**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.38**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.17	1.85	1.19	0.00	0.09	0.06	0.15	0.00	0.06	0.06	0.00	276.63	276.63	0.01	0.00	276.79
Worker	0.20	0.23	2.25	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	306.02	306.02	0.02	0.00	306.44
Total	**0.37**	**2.08**	**3.44**	**0.00**	**0.48**	**0.08**	**0.56**	**0.01**	**0.07**	**0.08**	**0.00**	**582.65**	**582.65**	**0.03**	**0.00**	**583.23**

3.4 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.67	4.52	3.06	0.01		0.30	0.30		0.30	0.30	0.00	478.23	478.23	0.05	0.00	479.38
Total	**0.67**	**4.52**	**3.06**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.38**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.17	1.85	1.19	0.00	0.01	0.06	0.07	0.00	0.06	0.06	0.00	276.63	276.63	0.01	0.00	276.79
Worker	0.20	0.23	2.25	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	306.02	306.02	0.02	0.00	306.44
Total	**0.37**	**2.08**	**3.44**	**0.00**	**0.03**	**0.08**	**0.10**	**0.01**	**0.07**	**0.08**	**0.00**	**582.65**	**582.65**	**0.03**	**0.00**	**583.23**

3.4 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.62	4.18	3.03	0.01		0.26	0.26		0.26	0.26	0.00	478.23	478.23	0.05	0.00	479.28
Total	**0.62**	**4.18**	**3.03**	**0.01**		**0.26**	**0.26**		**0.26**	**0.26**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.28**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.16	1.72	1.10	0.00	0.09	0.06	0.15	0.00	0.05	0.06	0.00	277.06	277.06	0.01	0.00	277.21
Worker	0.19	0.21	2.06	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	299.56	299.56	0.02	0.00	299.95
Total	**0.35**	**1.93**	**3.16**	**0.00**	**0.48**	**0.08**	**0.56**	**0.01**	**0.06**	**0.08**	**0.00**	**576.62**	**576.62**	**0.03**	**0.00**	**577.16**

3.4 Building Construction - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.62	4.18	3.03	0.01		0.26	0.26		0.26	0.26	0.00	478.23	478.23	0.05	0.00	479.28
Total	**0.62**	**4.18**	**3.03**	**0.01**		**0.26**	**0.26**		**0.26**	**0.26**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.28**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.16	1.72	1.10	0.00	0.01	0.06	0.07	0.00	0.05	0.06	0.00	277.06	277.06	0.01	0.00	277.21
Worker	0.19	0.21	2.06	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	299.56	299.56	0.02	0.00	299.95
Total	**0.35**	**1.93**	**3.16**	**0.00**	**0.03**	**0.08**	**0.10**	**0.01**	**0.06**	**0.08**	**0.00**	**576.62**	**576.62**	**0.03**	**0.00**	**577.16**

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.14	1.60	1.02	0.00	0.09	0.05	0.15	0.00	0.05	0.05	0.00	277.45	277.45	0.01	0.00	277.58
Worker	0.18	0.19	1.90	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	292.73	292.73	0.02	0.00	293.09
Total	**0.32**	**1.79**	**2.92**	**0.00**	**0.48**	**0.07**	**0.56**	**0.01**	**0.06**	**0.07**	**0.00**	**570.18**	**570.18**	**0.03**	**0.00**	**570.67**

3.4 Building Construction - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.14	1.60	1.02	0.00	0.01	0.05	0.06	0.00	0.05	0.05	0.00	277.45	277.45	0.01	0.00	277.58
Worker	0.18	0.19	1.90	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	292.73	292.73	0.02	0.00	293.09
Total	**0.32**	**1.79**	**2.92**	**0.00**	**0.03**	**0.07**	**0.09**	**0.01**	**0.06**	**0.07**	**0.00**	**570.18**	**570.18**	**0.03**	**0.00**	**570.67**

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	**0.52**	**3.46**	**2.97**	**0.01**		**0.21**	**0.21**		**0.21**	**0.21**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**479.11**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.13	1.49	0.95	0.00	0.09	0.05	0.14	0.00	0.05	0.05	0.00	277.81	277.81	0.01	0.00	277.94
Worker	0.16	0.18	1.75	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	285.67	285.67	0.02	0.00	286.01
Total	**0.29**	**1.67**	**2.70**	**0.00**	**0.48**	**0.07**	**0.55**	**0.01**	**0.06**	**0.07**	**0.00**	**563.48**	**563.48**	**0.03**	**0.00**	**563.95**

3.4 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	**0.52**	**3.46**	**2.97**	**0.01**		**0.21**	**0.21**		**0.21**	**0.21**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**479.11**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.13	1.49	0.95	0.00	0.01	0.05	0.06	0.00	0.05	0.05	0.00	277.81	277.81	0.01	0.00	277.94
Worker	0.16	0.18	1.75	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	285.67	285.67	0.02	0.00	286.01
Total	**0.29**	**1.67**	**2.70**	**0.00**	**0.03**	**0.07**	**0.09**	**0.01**	**0.06**	**0.07**	**0.00**	**563.48**	**563.48**	**0.03**	**0.00**	**563.95**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	**0.48**	**3.13**	**2.94**	**0.01**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**476.40**	**476.40**	**0.04**	**0.00**	**477.20**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.13	1.40	0.89	0.00	0.09	0.05	0.14	0.00	0.04	0.05	0.00	277.07	277.07	0.01	0.00	277.19
Worker	0.15	0.16	1.61	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	278.08	278.08	0.01	0.00	278.39
Total	**0.28**	**1.56**	**2.50**	**0.00**	**0.48**	**0.07**	**0.55**	**0.01**	**0.05**	**0.07**	**0.00**	**555.15**	**555.15**	**0.02**	**0.00**	**555.58**

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	**0.48**	**3.13**	**2.94**	**0.01**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**476.40**	**476.40**	**0.04**	**0.00**	**477.20**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.13	1.40	0.89	0.00	0.01	0.05	0.06	0.00	0.04	0.05	0.00	277.07	277.07	0.01	0.00	277.19
Worker	0.15	0.16	1.61	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	278.08	278.08	0.01	0.00	278.39
Total	**0.28**	**1.56**	**2.50**	**0.00**	**0.03**	**0.07**	**0.09**	**0.01**	**0.05**	**0.07**	**0.00**	**555.15**	**555.15**	**0.02**	**0.00**	**555.58**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	**0.44**	**2.84**	**2.93**	**0.01**		**0.16**	**0.16**		**0.16**	**0.16**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**478.97**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.12	1.32	0.85	0.00	0.09	0.04	0.14	0.00	0.04	0.04	0.00	278.42	278.42	0.01	0.00	278.53
Worker	0.15	0.15	1.49	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	273.07	273.07	0.01	0.00	273.36
Total	**0.27**	**1.47**	**2.34**	**0.00**	**0.48**	**0.06**	**0.55**	**0.01**	**0.05**	**0.06**	**0.00**	**551.49**	**551.49**	**0.02**	**0.00**	**551.89**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	**0.44**	**2.84**	**2.93**	**0.01**		**0.16**	**0.16**		**0.16**	**0.16**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**478.97**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.12	1.32	0.85	0.00	0.01	0.04	0.05	0.00	0.04	0.04	0.00	278.42	278.42	0.01	0.00	278.53
Worker	0.15	0.15	1.49	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	273.07	273.07	0.01	0.00	273.36
Total	**0.27**	**1.47**	**2.34**	**0.00**	**0.03**	**0.06**	**0.08**	**0.01**	**0.05**	**0.06**	**0.00**	**551.49**	**551.49**	**0.02**	**0.00**	**551.89**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	**0.40**	**2.57**	**2.92**	**0.01**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.91**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.11	1.25	0.80	0.00	0.09	0.04	0.13	0.00	0.04	0.04	0.00	278.74	278.74	0.00	0.00	278.84
Worker	0.14	0.14	1.39	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	267.52	267.52	0.01	0.00	267.79
Total	**0.25**	**1.39**	**2.19**	**0.00**	**0.48**	**0.06**	**0.54**	**0.01**	**0.05**	**0.06**	**0.00**	**546.26**	**546.26**	**0.01**	**0.00**	**546.63**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	**0.40**	**2.57**	**2.92**	**0.01**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.91**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.11	1.25	0.80	0.00	0.01	0.04	0.05	0.00	0.04	0.04	0.00	278.74	278.74	0.00	0.00	278.84
Worker	0.14	0.14	1.39	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	267.52	267.52	0.01	0.00	267.79
Total	**0.25**	**1.39**	**2.19**	**0.00**	**0.03**	**0.06**	**0.08**	**0.01**	**0.05**	**0.06**	**0.00**	**546.26**	**546.26**	**0.01**	**0.00**	**546.63**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.37	2.34	2.91	0.01		0.11	0.11		0.11	0.11	0.00	480.06	480.06	0.03	0.00	480.68
Total	**0.37**	**2.34**	**2.91**	**0.01**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**480.06**	**480.06**	**0.03**	**0.00**	**480.68**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.11	1.20	0.76	0.00	0.09	0.04	0.13	0.00	0.04	0.04	0.00	280.07	280.07	0.00	0.00	280.17
Worker	0.13	0.13	1.31	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	263.44	263.44	0.01	0.00	263.70
Total	**0.24**	**1.33**	**2.07**	**0.00**	**0.48**	**0.06**	**0.54**	**0.01**	**0.05**	**0.06**	**0.00**	**543.51**	**543.51**	**0.01**	**0.00**	**543.87**

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.37	2.34	2.91	0.01		0.11	0.11		0.11	0.11	0.00	480.06	480.06	0.03	0.00	480.68
Total	**0.37**	**2.34**	**2.91**	**0.01**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**480.06**	**480.06**	**0.03**	**0.00**	**480.68**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.11	1.20	0.76	0.00	0.01	0.04	0.05	0.00	0.04	0.04	0.00	280.07	280.07	0.00	0.00	280.17
Worker	0.13	0.13	1.31	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	263.44	263.44	0.01	0.00	263.70
Total	**0.24**	**1.33**	**2.07**	**0.00**	**0.03**	**0.06**	**0.08**	**0.01**	**0.05**	**0.06**	**0.00**	**543.51**	**543.51**	**0.01**	**0.00**	**543.87**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.33	2.10	2.88	0.01		0.10	0.10		0.10	0.10	0.00	478.23	478.23	0.03	0.00	478.79
Total	**0.33**	**2.10**	**2.88**	**0.01**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.79**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.10	1.15	0.72	0.00	0.09	0.04	0.13	0.00	0.04	0.04	0.00	279.25	279.25	0.00	0.00	279.34
Worker	0.13	0.12	1.25	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	260.24	260.24	0.01	0.00	260.49
Total	**0.23**	**1.27**	**1.97**	**0.00**	**0.48**	**0.06**	**0.54**	**0.01**	**0.05**	**0.06**	**0.00**	**539.49**	**539.49**	**0.01**	**0.00**	**539.83**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.33	2.10	2.88	0.01		0.10	0.10		0.10	0.10	0.00	478.23	478.23	0.03	0.00	478.79
Total	**0.33**	**2.10**	**2.88**	**0.01**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.79**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.10	1.15	0.72	0.00	0.01	0.04	0.05	0.00	0.04	0.04	0.00	279.25	279.25	0.00	0.00	279.34
Worker	0.13	0.12	1.25	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	260.24	260.24	0.01	0.00	260.49
Total	**0.23**	**1.27**	**1.97**	**0.00**	**0.03**	**0.06**	**0.08**	**0.01**	**0.05**	**0.06**	**0.00**	**539.49**	**539.49**	**0.01**	**0.00**	**539.83**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.31	1.89	2.86	0.01		0.08	0.08		0.08	0.08	0.00	476.40	476.40	0.02	0.00	476.92
Total	**0.31**	**1.89**	**2.86**	**0.01**		**0.08**	**0.08**		**0.08**	**0.08**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.92**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.10	1.11	0.69	0.00	0.09	0.04	0.13	0.00	0.03	0.04	0.00	278.40	278.40	0.00	0.00	278.49
Worker	0.12	0.12	1.18	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	254.98	254.98	0.01	0.00	255.22
Total	**0.22**	**1.23**	**1.87**	**0.00**	**0.48**	**0.06**	**0.54**	**0.01**	**0.04**	**0.06**	**0.00**	**533.38**	**533.38**	**0.01**	**0.00**	**533.71**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.31	1.89	2.86	0.01		0.08	0.08		0.08	0.08	0.00	476.40	476.40	0.02	0.00	476.92
Total	**0.31**	**1.89**	**2.86**	**0.01**		**0.08**	**0.08**		**0.08**	**0.08**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.92**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.10	1.11	0.69	0.00	0.01	0.04	0.05	0.00	0.03	0.04	0.00	278.40	278.40	0.00	0.00	278.49
Worker	0.12	0.12	1.18	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	254.98	254.98	0.01	0.00	255.22
Total	**0.22**	**1.23**	**1.87**	**0.00**	**0.03**	**0.06**	**0.08**	**0.01**	**0.04**	**0.06**	**0.00**	**533.38**	**533.38**	**0.01**	**0.00**	**533.71**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.29	1.72	2.86	0.01		0.07	0.07		0.07	0.07	0.00	476.40	476.40	0.02	0.00	476.89
Total	**0.29**	**1.72**	**2.86**	**0.01**		**0.07**	**0.07**		**0.07**	**0.07**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.89**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.09	1.07	0.67	0.00	0.09	0.04	0.13	0.00	0.03	0.04	0.00	278.60	278.60	0.00	0.00	278.69
Worker	0.12	0.11	1.11	0.00	0.39	0.02	0.41	0.01	0.01	0.02	0.00	251.08	251.08	0.01	0.00	251.31
Total	**0.21**	**1.18**	**1.78**	**0.00**	**0.48**	**0.06**	**0.54**	**0.01**	**0.04**	**0.06**	**0.00**	**529.68**	**529.68**	**0.01**	**0.00**	**530.00**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.29	1.72	2.86	0.01		0.07	0.07		0.07	0.07	0.00	476.40	476.40	0.02	0.00	476.89
Total	**0.29**	**1.72**	**2.86**	**0.01**		**0.07**	**0.07**		**0.07**	**0.07**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.89**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.09	1.07	0.67	0.00	0.01	0.04	0.04	0.00	0.03	0.04	0.00	278.60	278.60	0.00	0.00	278.69
Worker	0.12	0.11	1.11	0.00	0.02	0.02	0.03	0.01	0.01	0.02	0.00	251.08	251.08	0.01	0.00	251.31
Total	**0.21**	**1.18**	**1.78**	**0.00**	**0.03**	**0.06**	**0.07**	**0.01**	**0.04**	**0.06**	**0.00**	**529.68**	**529.68**	**0.01**	**0.00**	**530.00**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.15	0.84	1.54	0.00		0.03	0.03		0.03	0.03	0.00	256.52	256.52	0.01	0.00	256.77
Total	**0.15**	**0.84**	**1.54**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**256.52**	**256.52**	**0.01**	**0.00**	**256.77**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.05	0.56	0.34	0.00	0.05	0.02	0.07	0.00	0.02	0.02	0.00	150.13	150.13	0.00	0.00	150.17
Worker	0.06	0.05	0.57	0.00	0.21	0.01	0.22	0.00	0.01	0.01	0.00	133.30	133.30	0.01	0.00	133.42
Total	**0.11**	**0.61**	**0.91**	**0.00**	**0.26**	**0.03**	**0.29**	**0.00**	**0.03**	**0.03**	**0.00**	**283.43**	**283.43**	**0.01**	**0.00**	**283.59**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.15	0.84	1.54	0.00		0.03	0.03		0.03	0.03	0.00	256.52	256.52	0.01	0.00	256.77
Total	**0.15**	**0.84**	**1.54**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**256.52**	**256.52**	**0.01**	**0.00**	**256.77**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.05	0.56	0.34	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	150.13	150.13	0.00	0.00	150.17
Worker	0.06	0.05	0.57	0.00	0.01	0.01	0.02	0.00	0.01	0.01	0.00	133.30	133.30	0.01	0.00	133.42
Total	**0.11**	**0.61**	**0.91**	**0.00**	**0.01**	**0.03**	**0.04**	**0.00**	**0.03**	**0.03**	**0.00**	**283.43**	**283.43**	**0.01**	**0.00**	**283.59**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.16	1.01	1.19	0.00		0.07	0.07		0.07	0.07	0.00	161.41	161.41	0.01	0.00	161.69
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.16**	**1.01**	**1.19**	**0.00**		**0.07**	**0.07**		**0.07**	**0.07**	**0.00**	**161.41**	**161.41**	**0.01**	**0.00**	**161.69**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.63	6.63	0.00	0.00	6.63
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**6.63**	**6.63**	**0.00**	**0.00**	**6.63**

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.16	1.01	1.19	0.00		0.07	0.07		0.07	0.07	0.00	161.41	161.41	0.01	0.00	161.69
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.16**	**1.01**	**1.19**	**0.00**		**0.07**	**0.07**		**0.07**	**0.07**	**0.00**	**161.41**	**161.41**	**0.01**	**0.00**	**161.69**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.63	6.63	0.00	0.00	6.63
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**6.63**	**6.63**	**0.00**	**0.00**	**6.63**

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.12	0.76	0.95	0.00		0.05	0.05		0.05	0.05	0.00	129.66	129.66	0.01	0.00	129.87
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.12**	**0.76**	**0.95**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**129.66**	**129.66**	**0.01**	**0.00**	**129.87**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	5.25	5.25	0.00	0.00	5.26
Total	**0.00**	**0.00**	**0.02**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**5.25**	**5.25**	**0.00**	**0.00**	**5.26**

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.12	0.76	0.95	0.00		0.05	0.05		0.05	0.05	0.00	129.66	129.66	0.01	0.00	129.87
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.12**	**0.76**	**0.95**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**129.66**	**129.66**	**0.01**	**0.00**	**129.87**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.25	5.25	0.00	0.00	5.26
Total	**0.00**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**5.25**	**5.25**	**0.00**	**0.00**	**5.26**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.27					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.15	0.00		0.00	0.00		0.00	0.00	0.00	20.78	20.78	0.00	0.00	20.81
Total	**7.28**	**0.09**	**0.15**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**20.78**	**20.78**	**0.00**	**0.00**	**20.81**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.13	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	30.88	30.88	0.00	0.00	30.90
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.05**	**0.00**	**0.05**	**0.00**	**0.00**	**0.00**	**0.00**	**30.88**	**30.88**	**0.00**	**0.00**	**30.90**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.27					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.15	0.00		0.00	0.00		0.00	0.00	0.00	20.78	20.78	0.00	0.00	20.81
Total	**7.28**	**0.09**	**0.15**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**20.78**	**20.78**	**0.00**	**0.00**	**20.81**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.01	0.01	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.88	30.88	0.00	0.00	30.90
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**30.88**	**30.88**	**0.00**	**0.00**	**30.90**

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.54					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.05	0.00		0.00	0.00		0.00	0.00	0.00	7.27	7.27	0.00	0.00	7.28
Total	**2.54**	**0.03**	**0.05**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**7.27**	**7.27**	**0.00**	**0.00**	**7.28**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	10.80	10.80	0.00	0.00	10.81
Total	**0.00**	**0.00**	**0.04**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**10.80**	**10.80**	**0.00**	**0.00**	**10.81**

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.54					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.05	0.00		0.00	0.00		0.00	0.00	0.00	7.27	7.27	0.00	0.00	7.28
Total	**2.54**	**0.03**	**0.05**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**7.27**	**7.27**	**0.00**	**0.00**	**7.28**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.80	10.80	0.00	0.00	10.81
Total	**0.00**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**10.80**	**10.80**	**0.00**	**0.00**	**10.81**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.15	17.55	85.56	0.10	9.85	0.65	10.51	0.16	0.58	0.73	0.00	9,430.70	9,430.70	0.58	0.00	9,442.95
Unmitigated	8.15	17.55	85.56	0.10	9.85	0.65	10.51	0.16	0.58	0.73	0.00	9,430.70	9,430.70	0.58	0.00	9,442.95
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	580.50	0.00	0.00	914,262	914,262
High School	2,052.00	732.00	300.00	4,223,468	4,223,468
Single Family Housing	4,785.00	5,040.00	4385.00	13,603,481	13,603,481
Total	7,417.50	5,772.00	4,685.00	18,741,212	18,741,212

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00
High School	9.50	7.30	7.30	77.80	17.20	5.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	1,550.78	1,550.78	0.06	0.02	1,558.76
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	1,550.78	1,550.78	0.06	0.02	1,558.76
NaturalGas Mitigated	0.11	0.94	0.42	0.01		0.00	0.08		0.00	0.08	0.00	1,082.72	1,082.72	0.02	0.02	1,089.31
NaturalGas Unmitigated	0.11	0.94	0.42	0.01		0.00	0.08		0.00	0.08	0.00	1,082.72	1,082.72	0.02	0.02	1,089.31
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Elementary School	233253	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	12.45	12.45	0.00	0.00	12.52
High School	986998	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	52.67	52.67	0.00	0.00	52.99
Single Family Housing	1.90692e+007	0.10	0.88	0.37	0.01		0.00	0.07		0.00	0.07	0.00	1,017.60	1,017.60	0.02	0.02	1,023.80
Total		**0.11**	**0.94**	**0.42**	**0.01**		**0.00**	**0.07**		**0.00**	**0.07**	**0.00**	**1,082.72**	**1,082.72**	**0.02**	**0.02**	**1,089.31**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Elementary School	233253	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	12.45	12.45	0.00	0.00	12.52
High School	986998	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	52.67	52.67	0.00	0.00	52.99
Single Family Housing	1.90692e+007	0.10	0.88	0.37	0.01		0.00	0.07		0.00	0.07	0.00	1,017.60	1,017.60	0.02	0.02	1,023.80
Total		**0.11**	**0.94**	**0.42**	**0.01**		**0.00**	**0.07**		**0.00**	**0.07**	**0.00**	**1,082.72**	**1,082.72**	**0.02**	**0.02**	**1,089.31**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Elementary School	224224					79.41	0.00	0.00	79.82
High School	948791					336.02	0.01	0.00	337.75
Single Family Housing	3.20573e+006					1,135.34	0.04	0.02	1,141.19
Total						**1,550.77**	**0.05**	**0.02**	**1,558.76**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Elementary School	224224					79.41	0.00	0.00	79.82
High School	948791					336.02	0.01	0.00	337.75
Single Family Housing	3.20573e+006					1,135.34	0.04	0.02	1,141.19
Total						**1,550.77**	**0.05**	**0.02**	**1,558.76**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	37.47	0.47	42.60	0.02		0.00	5.48		0.00	5.48	516.48	655.94	1,172.42	0.49	0.05	1,197.81
Unmitigated	37.47	0.47	42.60	0.02		0.00	5.48		0.00	5.48	516.48	655.94	1,172.42	0.49	0.05	1,197.81
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.63					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	4.28					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	31.42	0.43	38.65	0.02		0.00	5.46		0.00	5.46	516.48	649.81	1,166.29	0.48	0.05	1,191.53
Landscaping	0.14	0.05	3.95	0.00		0.00	0.02		0.00	0.02	0.00	6.13	6.13	0.01	0.00	6.28
Total	**37.47**	**0.48**	**42.60**	**0.02**		**0.00**	**5.48**		**0.00**	**5.48**	**516.48**	**655.94**	**1,172.42**	**0.49**	**0.05**	**1,197.81**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.63					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	4.28					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	31.42	0.43	38.65	0.02		0.00	5.46		0.00	5.46	516.48	649.81	1,166.29	0.48	0.05	1,191.53
Landscaping	0.14	0.05	3.95	0.00		0.00	0.02		0.00	0.02	0.00	6.13	6.13	0.01	0.00	6.28
Total	**37.47**	**0.48**	**42.60**	**0.02**		**0.00**	**5.48**		**0.00**	**5.48**	**516.48**	**655.94**	**1,172.42**	**0.49**	**0.05**	**1,197.81**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					325.40	1.20	0.03	361.19
Unmitigated					325.40	1.20	0.03	361.19
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Elementary School	1.09091 / 2.80519					16.08	0.03	0.00	17.12
High School	5.28595 / 13.5924					77.92	0.16	0.01	82.95
Single Family Housing	32.577 / 20.5377					231.41	1.00	0.03	261.12
Total						**325.41**	**1.19**	**0.04**	**361.19**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Elementary School	1.09091 / 2.80519					16.08	0.03	0.00	17.12
High School	5.28595 / 13.5924					77.92	0.16	0.01	82.95
Single Family Housing	32.577 / 20.5377					231.41	1.00	0.03	261.12
Total						**325.41**	**1.19**	**0.04**	**361.19**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					180.14	10.65	0.00	403.71
Unmitigated					180.14	10.65	0.00	403.71
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Elementary School	82.13					16.67	0.99	0.00	37.36
High School	219					44.46	2.63	0.00	99.63
Single Family Housing	586.3					119.01	7.03	0.00	266.72
Total						**180.14**	**10.65**	**0.00**	**403.71**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Elementary School	82.13					16.67	0.99	0.00	37.36
High School	219					44.46	2.63	0.00	99.63
Single Family Housing	586.3					119.01	7.03	0.00	266.72
Total						**180.14**	**10.65**	**0.00**	**403.71**

9.0 Vegetation

3957.1 Otay Mesa CPU - Large Project Construction

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	500	Dwelling Unit
Elementary School	450	Student
High School	1200	Student

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Demolition -

Architectural Coating - CalGreen VOC limit = 150 g/L

Construction Phase -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	13.32	110.93	59.31	0.10	18.30	5.44	22.92	9.93	5.44	14.55	0.00	11,075.00	0.00	1.19	0.00	11,100.09
2012	12.63	104.04	56.61	0.10	8.93	5.02	13.95	3.31	5.02	8.33	0.00	11,070.36	0.00	1.13	0.00	11,094.18
2013	7.99	51.11	49.75	0.09	4.22	2.88	7.11	0.07	2.83	2.90	0.00	9,136.21	0.00	0.70	0.00	9,150.87
2014	7.35	47.29	47.38	0.09	4.22	2.59	6.81	0.07	2.55	2.61	0.00	9,082.48	0.00	0.64	0.00	9,095.96
2015	6.77	43.28	45.27	0.09	4.22	2.33	6.55	0.07	2.29	2.35	0.00	9,024.84	0.00	0.59	0.00	9,037.31
2016	6.26	39.70	43.44	0.09	4.22	2.09	6.31	0.07	2.05	2.12	0.00	8,964.92	0.00	0.55	0.00	8,976.39
2017	5.79	36.44	41.78	0.09	4.22	1.87	6.09	0.07	1.83	1.90	0.00	8,909.52	0.00	0.50	0.00	8,920.06
2018	5.35	33.41	40.29	0.09	4.22	1.66	5.88	0.07	1.62	1.69	0.00	8,857.77	0.00	0.46	0.00	8,867.50
2019	4.95	30.74	39.02	0.09	4.22	1.47	5.70	0.07	1.44	1.50	0.00	8,810.93	0.00	0.43	0.00	8,819.93
2020	4.62	28.36	37.96	0.09	4.22	1.30	5.53	0.07	1.27	1.34	0.00	8,767.82	0.00	0.40	0.00	8,776.15
2021	4.31	26.13	37.12	0.09	4.22	1.16	5.38	0.07	1.12	1.19	0.00	8,750.39	0.00	0.37	0.00	8,758.13
2022	4.07	24.26	36.31	0.09	4.22	1.03	5.26	0.07	1.00	1.07	0.00	8,714.17	0.00	0.35	0.00	8,721.45
2023	3.86	22.60	35.57	0.09	4.22	0.92	5.15	0.07	0.89	0.96	0.00	8,681.01	0.00	0.33	0.00	8,687.91
2024	3.68	21.18	34.92	0.09	4.22	1.08	5.07	0.07	1.08	1.08	0.00	8,651.22	0.00	0.31	0.00	8,657.78
2025	89.50	15.60	19.90	0.03	0.69	0.96	1.16	0.01	0.96	0.96	0.00	3,043.63	0.00	0.23	0.00	3,048.43

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	89.50	1.30	3.46	0.01	0.69	0.08	0.77	0.01	0.07	0.08	0.00	726.32	0.00	0.03	0.00	727.02
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	13.32	110.93	59.31	0.10	18.08	5.44	22.69	9.93	5.44	14.55	0.00	11,075.00	0.00	1.19	0.00	11,100.09
2012	12.63	104.04	56.61	0.10	8.68	5.02	13.70	3.31	5.02	8.33	0.00	11,070.36	0.00	1.13	0.00	11,094.18
2013	7.99	51.11	49.75	0.09	0.19	2.88	3.07	0.07	2.83	2.90	0.00	9,136.21	0.00	0.70	0.00	9,150.87
2014	7.35	47.29	47.38	0.09	0.19	2.59	2.78	0.07	2.55	2.61	0.00	9,082.48	0.00	0.64	0.00	9,095.96
2015	6.77	43.28	45.27	0.09	0.19	2.33	2.52	0.07	2.29	2.35	0.00	9,024.84	0.00	0.59	0.00	9,037.31
2016	6.26	39.70	43.44	0.09	0.19	2.09	2.28	0.07	2.05	2.12	0.00	8,964.92	0.00	0.55	0.00	8,976.39
2017	5.79	36.44	41.78	0.09	0.19	1.87	2.06	0.07	1.83	1.90	0.00	8,909.52	0.00	0.50	0.00	8,920.06
2018	5.35	33.41	40.29	0.09	0.19	1.66	1.85	0.07	1.62	1.69	0.00	8,857.77	0.00	0.46	0.00	8,867.50
2019	4.95	30.74	39.02	0.09	0.19	1.47	1.66	0.07	1.44	1.50	0.00	8,810.93	0.00	0.43	0.00	8,819.93
2020	4.62	28.36	37.96	0.09	0.19	1.30	1.49	0.07	1.27	1.34	0.00	8,767.82	0.00	0.40	0.00	8,776.15
2021	4.31	26.13	37.12	0.09	0.19	1.16	1.35	0.07	1.12	1.19	0.00	8,750.39	0.00	0.37	0.00	8,758.13
2022	4.07	24.26	36.31	0.09	0.19	1.03	1.22	0.07	1.00	1.07	0.00	8,714.17	0.00	0.35	0.00	8,721.45
2023	3.86	22.60	35.57	0.09	0.19	0.92	1.11	0.07	0.89	0.96	0.00	8,681.01	0.00	0.33	0.00	8,687.91
2024	3.68	21.18	34.92	0.09	0.19	1.08	1.09	0.07	1.08	1.08	0.00	8,651.22	0.00	0.31	0.00	8,657.78
2025	89.50	15.60	19.90	0.03	0.03	0.96	0.97	0.01	0.96	0.96	0.00	3,043.63	0.00	0.23	0.00	3,048.43
2026	89.50	1.30	3.46	0.01	0.03	0.08	0.10	0.01	0.07	0.08	0.00	726.32	0.00	0.03	0.00	727.02
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Energy	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
Mobile	50.79	110.90	531.54	0.65	69.62	4.03	73.65	0.97	3.55	4.52		67,581.07		3.90		67,663.03
Total	**349.06**	**121.25**	**967.24**	**1.05**	**69.62**	**4.03**	**130.95**	**0.97**	**3.55**	**61.81**	**6,440.14**	**80,019.48**		**16.93**	**0.56**	**86,987.26**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Energy	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
Mobile	50.79	110.90	531.54	0.65	69.62	4.03	73.65	0.97	3.55	4.52		67,581.07		3.90		67,663.03
Total	**349.06**	**121.25**	**967.24**	**1.05**	**69.62**	**4.03**	**130.95**	**0.97**	**3.55**	**61.81**	**6,440.14**	**80,019.48**		**16.93**	**0.56**	**86,987.26**

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	10.99	89.73	50.45	0.07		4.61	4.61		4.61	4.61		7,997.70		0.99		8,018.42
Total	**10.99**	**89.73**	**50.45**	**0.07**	**18.07**	**4.61**	**22.68**	**9.93**	**4.61**	**14.54**		**7,997.70**		**0.99**		**8,018.42**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.12	0.14	1.45	0.00	0.23	0.01	0.24	0.00	0.01	0.01		196.51		0.01		196.80
Total	**0.12**	**0.14**	**1.45**	**0.00**	**0.23**	**0.01**	**0.24**	**0.00**	**0.01**	**0.01**		**196.51**		**0.01**		**196.80**

3.2 Site Preparation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	10.99	89.73	50.45	0.07		4.61	4.61		4.61	4.61	0.00	7,997.70		0.99		8,018.42
Total	**10.99**	**89.73**	**50.45**	**0.07**	**18.07**	**4.61**	**22.68**	**9.93**	**4.61**	**14.54**	**0.00**	**7,997.70**		**0.99**		**8,018.42**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.12	0.14	1.45	0.00	0.01	0.01	0.02	0.00	0.01	0.01		196.51		0.01		196.80
Total	**0.12**	**0.14**	**1.45**	**0.00**	**0.01**	**0.01**	**0.02**	**0.00**	**0.01**	**0.01**		**196.51**		**0.01**		**196.80**

3.3 Grading - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	13.18	110.77	57.70	0.10		5.43	5.43		5.43	5.43		10,856.66		1.18		10,881.42
Total	**13.18**	**110.77**	**57.70**	**0.10**	**8.67**	**5.43**	**14.10**	**3.31**	**5.43**	**8.74**		**10,856.66**		**1.18**		**10,881.42**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.14	0.16	1.61	0.00	0.26	0.01	0.27	0.00	0.01	0.01		218.35		0.02		218.67
Total	**0.14**	**0.16**	**1.61**	**0.00**	**0.26**	**0.01**	**0.27**	**0.00**	**0.01**	**0.01**		**218.35**		**0.02**		**218.67**

3.3 Grading - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	13.18	110.77	57.70	0.10		5.43	5.43		5.43	5.43	0.00	10,856.66		1.18		10,881.42
Total	**13.18**	**110.77**	**57.70**	**0.10**	**8.67**	**5.43**	**14.10**	**3.31**	**5.43**	**8.74**	**0.00**	**10,856.66**		**1.18**		**10,881.42**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.14	0.16	1.61	0.00	0.01	0.01	0.02	0.00	0.01	0.01		218.35		0.02		218.67
Total	**0.14**	**0.16**	**1.61**	**0.00**	**0.01**	**0.01**	**0.02**	**0.00**	**0.01**	**0.01**		**218.35**		**0.02**		**218.67**

3.3 Grading - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01		10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**8.67**	**5.01**	**13.68**	**3.31**	**5.01**	**8.32**		**10,856.65**		**1.12**		**10,880.18**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.13	0.15	1.48	0.00	0.26	0.01	0.27	0.00	0.01	0.01		213.70		0.01		214.00
Total	**0.13**	**0.15**	**1.48**	**0.00**	**0.26**	**0.01**	**0.27**	**0.00**	**0.01**	**0.01**		**213.70**		**0.01**		**214.00**

3.3 Grading - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01	0.00	10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**8.67**	**5.01**	**13.68**	**3.31**	**5.01**	**8.32**	**0.00**	**10,856.65**		**1.12**		**10,880.18**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.13	0.15	1.48	0.00	0.01	0.01	0.02	0.00	0.01	0.01		213.70		0.01		214.00
Total	**0.13**	**0.15**	**1.48**	**0.00**	**0.01**	**0.01**	**0.02**	**0.00**	**0.01**	**0.01**		**213.70**		**0.01**		**214.00**

3.4 Building Construction - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54		4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**		**4,040.62**		**0.51**		**4,051.23**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.36	15.88	9.09	0.02	0.79	0.53	1.32	0.02	0.48	0.50		2,340.42		0.07		2,341.83
Worker	1.68	1.93	19.47	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,810.19		0.19		2,814.13
Total	**3.04**	**17.81**	**28.56**	**0.05**	**4.22**	**0.65**	**4.87**	**0.07**	**0.59**	**0.66**		**5,150.61**		**0.26**		**5,155.96**

3.4 Building Construction - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54	0.00	4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**	**0.00**	**4,040.62**		**0.51**		**4,051.23**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.36	15.88	9.09	0.02	0.06	0.53	0.59	0.02	0.48	0.50		2,340.42		0.07		2,341.83
Worker	1.68	1.93	19.47	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,810.19		0.19		2,814.13
Total	**3.04**	**17.81**	**28.56**	**0.05**	**0.19**	**0.65**	**0.84**	**0.07**	**0.59**	**0.66**		**5,150.61**		**0.26**		**5,155.96**

3.4 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28		4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**		**4,040.62**		**0.46**		**4,050.31**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.25	14.68	8.41	0.02	0.79	0.48	1.27	0.02	0.44	0.46		2,344.35		0.06		2,345.65
Worker	1.56	1.77	17.89	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,751.24		0.17		2,754.90
Total	**2.81**	**16.45**	**26.30**	**0.05**	**4.22**	**0.60**	**4.82**	**0.07**	**0.55**	**0.62**		**5,095.59**		**0.23**		**5,100.55**

3.4 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28	0.00	4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**	**0.00**	**4,040.62**		**0.46**		**4,050.31**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.25	14.68	8.41	0.02	0.06	0.48	0.54	0.02	0.44	0.46		2,344.35		0.06		2,345.65
Worker	1.56	1.77	17.89	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,751.24		0.17		2,754.90
Total	**2.81**	**16.45**	**26.30**	**0.05**	**0.19**	**0.60**	**0.79**	**0.07**	**0.55**	**0.62**		**5,095.59**		**0.23**		**5,100.55**

3.4 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02		4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**		**4,040.61**		**0.42**		**4,049.51**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.16	13.60	7.74	0.02	0.79	0.45	1.24	0.02	0.41	0.43		2,348.19		0.06		2,349.39
Worker	1.45	1.62	16.44	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,693.67		0.16		2,697.07
Total	**2.61**	**15.22**	**24.18**	**0.05**	**4.22**	**0.57**	**4.79**	**0.07**	**0.52**	**0.59**		**5,041.86**		**0.22**		**5,046.46**

3.4 Building Construction - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02	0.00	4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**	**0.00**	**4,040.61**		**0.42**		**4,049.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.16	13.60	7.74	0.02	0.06	0.45	0.51	0.02	0.41	0.43		2,348.19		0.06		2,349.39
Worker	1.45	1.62	16.44	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,693.67		0.16		2,697.07
Total	**2.61**	**15.22**	**24.18**	**0.05**	**0.19**	**0.57**	**0.76**	**0.07**	**0.52**	**0.59**		**5,041.86**		**0.22**		**5,046.46**

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80		4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**		**4,040.61**		**0.39**		**4,048.81**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.07	12.64	7.14	0.02	0.79	0.41	1.20	0.02	0.38	0.40		2,351.59		0.05		2,352.70
Worker	1.36	1.49	15.15	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,632.63		0.15		2,635.80
Total	**2.43**	**14.13**	**22.29**	**0.05**	**4.22**	**0.53**	**4.75**	**0.07**	**0.49**	**0.56**		**4,984.22**		**0.20**		**4,988.50**

3.4 Building Construction - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80	0.00	4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**4,040.61**		**0.39**		**4,048.81**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.07	12.64	7.14	0.02	0.06	0.41	0.47	0.02	0.38	0.40		2,351.59		0.05		2,352.70
Worker	1.36	1.49	15.15	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,632.63		0.15		2,635.80
Total	**2.43**	**14.13**	**22.29**	**0.05**	**0.19**	**0.53**	**0.72**	**0.07**	**0.49**	**0.56**		**4,984.22**		**0.20**		**4,988.50**

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58		4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**		**4,040.61**		**0.36**		**4,048.10**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.00	11.81	6.64	0.02	0.79	0.39	1.18	0.02	0.35	0.37		2,354.85		0.05		2,355.88
Worker	1.28	1.37	14.00	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,569.46		0.14		2,572.42
Total	**2.28**	**13.18**	**20.64**	**0.05**	**4.22**	**0.51**	**4.73**	**0.07**	**0.46**	**0.53**		**4,924.31**		**0.19**		**4,928.30**

3.4 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58	0.00	4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**	**0.00**	**4,040.61**		**0.36**		**4,048.10**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.00	11.81	6.64	0.02	0.06	0.39	0.45	0.02	0.35	0.37		2,354.85		0.05		2,355.88
Worker	1.28	1.37	14.00	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,569.46		0.14		2,572.42
Total	**2.28**	**13.18**	**20.64**	**0.05**	**0.19**	**0.51**	**0.70**	**0.07**	**0.46**	**0.53**		**4,924.31**		**0.19**		**4,928.30**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39		4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**		**4,040.61**		**0.33**		**4,047.45**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.93	11.09	6.21	0.02	0.79	0.36	1.15	0.02	0.33	0.35		2,357.73		0.05		2,358.69
Worker	1.20	1.27	12.92	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,511.18		0.13		2,513.92
Total	**2.13**	**12.36**	**19.13**	**0.05**	**4.22**	**0.48**	**4.70**	**0.07**	**0.44**	**0.51**		**4,868.91**		**0.18**		**4,872.61**

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39	0.00	4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**	**0.00**	**4,040.61**		**0.33**		**4,047.45**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.93	11.09	6.21	0.02	0.06	0.36	0.42	0.02	0.33	0.35		2,357.73		0.05		2,358.69
Worker	1.20	1.27	12.92	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,511.18		0.13		2,513.92
Total	**2.13**	**12.36**	**19.13**	**0.05**	**0.19**	**0.48**	**0.67**	**0.07**	**0.44**	**0.51**		**4,868.91**		**0.18**		**4,872.61**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20		4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**		**4,040.62**		**0.30**		**4,046.87**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.88	10.46	5.84	0.02	0.79	0.34	1.13	0.02	0.31	0.33		2,360.32		0.04		2,361.22
Worker	1.13	1.17	11.95	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,456.84		0.12		2,459.41
Total	**2.01**	**11.63**	**17.79**	**0.05**	**4.22**	**0.46**	**4.68**	**0.07**	**0.42**	**0.49**		**4,817.16**		**0.16**		**4,820.63**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20	0.00	4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**	**0.00**	**4,040.62**		**0.30**		**4,046.87**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.88	10.46	5.84	0.02	0.06	0.34	0.40	0.02	0.31	0.33		2,360.32		0.04		2,361.22
Worker	1.13	1.17	11.95	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,456.84		0.12		2,459.41
Total	**2.01**	**11.63**	**17.79**	**0.05**	**0.19**	**0.46**	**0.65**	**0.07**	**0.42**	**0.49**		**4,817.16**		**0.16**		**4,820.63**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**		**4,040.62**		**0.27**		**4,046.36**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.83	9.92	5.49	0.02	0.79	0.32	1.11	0.02	0.30	0.32		2,363.12		0.04		2,363.97
Worker	1.08	1.09	11.17	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,407.19		0.12		2,409.61
Total	**1.91**	**11.01**	**16.66**	**0.05**	**4.22**	**0.44**	**4.66**	**0.07**	**0.41**	**0.48**		**4,770.31**		**0.16**		**4,773.58**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**	**0.00**	**4,040.62**		**0.27**		**4,046.36**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.83	9.92	5.49	0.02	0.06	0.32	0.38	0.02	0.30	0.32		2,363.12		0.04		2,363.97
Worker	1.08	1.09	11.17	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,407.19		0.12		2,409.61
Total	**1.91**	**11.01**	**16.66**	**0.05**	**0.19**	**0.44**	**0.63**	**0.07**	**0.41**	**0.48**		**4,770.31**		**0.16**		**4,773.58**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88		4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**		**4,040.62**		**0.25**		**4,045.85**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.79	9.47	5.22	0.02	0.79	0.31	1.10	0.02	0.28	0.30		2,365.47		0.04		2,366.28
Worker	1.03	1.01	10.50	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,361.73		0.11		2,364.02
Total	**1.82**	**10.48**	**15.72**	**0.05**	**4.22**	**0.43**	**4.65**	**0.07**	**0.39**	**0.46**		**4,727.20**		**0.15**		**4,730.30**

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88	0.00	4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**	**0.00**	**4,040.62**		**0.25**		**4,045.85**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.79	9.47	5.22	0.02	0.06	0.31	0.37	0.02	0.28	0.30		2,365.47		0.04		2,366.28
Worker	1.03	1.01	10.50	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,361.73		0.11		2,364.02
Total	**1.82**	**10.48**	**15.72**	**0.05**	**0.19**	**0.43**	**0.62**	**0.07**	**0.39**	**0.46**		**4,727.20**		**0.15**		**4,730.30**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74		4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**		**4,040.61**		**0.23**		**4,045.38**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.75	9.10	4.95	0.02	0.79	0.30	1.09	0.02	0.27	0.29		2,367.71		0.04		2,368.47
Worker	1.00	0.95	10.07	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,342.07		0.11		2,344.28
Total	**1.75**	**10.05**	**15.02**	**0.05**	**4.22**	**0.42**	**4.65**	**0.07**	**0.38**	**0.45**		**4,709.78**		**0.15**		**4,712.75**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74	0.00	4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**	**0.00**	**4,040.61**		**0.23**		**4,045.38**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.75	9.10	4.95	0.02	0.06	0.30	0.36	0.02	0.27	0.29		2,367.71		0.04		2,368.47
Worker	1.00	0.95	10.07	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,342.07		0.11		2,344.28
Total	**1.75**	**10.05**	**15.02**	**0.05**	**0.19**	**0.42**	**0.61**	**0.07**	**0.38**	**0.45**		**4,709.78**		**0.15**		**4,712.75**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62		4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**		**4,040.61**		**0.21**		**4,045.05**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.72	8.79	4.74	0.02	0.79	0.29	1.08	0.02	0.27	0.29		2,369.71		0.03		2,370.44
Worker	0.97	0.90	9.53	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,303.85		0.10		2,305.96
Total	**1.69**	**9.69**	**14.27**	**0.05**	**4.22**	**0.41**	**4.64**	**0.07**	**0.38**	**0.45**		**4,673.56**		**0.13**		**4,676.40**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62	0.00	4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**	**0.00**	**4,040.61**		**0.21**		**4,045.05**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.72	8.79	4.74	0.02	0.06	0.29	0.35	0.02	0.27	0.29		2,369.71		0.03		2,370.44
Worker	0.97	0.90	9.53	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,303.85		0.10		2,305.96
Total	**1.69**	**9.69**	**14.27**	**0.05**	**0.19**	**0.41**	**0.60**	**0.07**	**0.38**	**0.45**		**4,673.56**		**0.13**		**4,676.40**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52		4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**		**4,040.61**		**0.20**		**4,044.79**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.70	8.53	4.56	0.02	0.79	0.28	1.07	0.02	0.26	0.28		2,371.54		0.03		2,372.24
Worker	0.93	0.84	9.02	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,268.86		0.10		2,270.87
Total	**1.63**	**9.37**	**13.58**	**0.05**	**4.22**	**0.40**	**4.63**	**0.07**	**0.37**	**0.44**		**4,640.40**		**0.13**		**4,643.11**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52	0.00	4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**	**0.00**	**4,040.61**		**0.20**		**4,044.79**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.70	8.53	4.56	0.02	0.06	0.28	0.34	0.02	0.26	0.28		2,371.54		0.03		2,372.24
Worker	0.93	0.84	9.02	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,268.86		0.10		2,270.87
Total	**1.63**	**9.37**	**13.58**	**0.05**	**0.19**	**0.40**	**0.59**	**0.07**	**0.37**	**0.44**		**4,640.40**		**0.13**		**4,643.11**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.11	12.06	21.95	0.04		0.45	0.45		0.45	0.45		4,040.62		0.19		4,044.56
Total	**2.11**	**12.06**	**21.95**	**0.04**		**0.45**	**0.45**		**0.45**	**0.45**		**4,040.62**		**0.19**		**4,044.56**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.67	8.32	4.38	0.02	0.79	0.27	1.07	0.02	0.25	0.27		2,373.42		0.03		2,374.10
Worker	0.90	0.80	8.59	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,237.19		0.09		2,239.13
Total	**1.57**	**9.12**	**12.97**	**0.05**	**4.22**	**0.39**	**4.63**	**0.07**	**0.36**	**0.43**		**4,610.61**		**0.12**		**4,613.23**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.11	12.06	21.95	0.04		0.45	0.45		0.45	0.45	0.00	4,040.62		0.19		4,044.56
Total	**2.11**	**12.06**	**21.95**	**0.04**		**0.45**	**0.45**		**0.45**	**0.45**	**0.00**	**4,040.62**		**0.19**		**4,044.56**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.67	8.32	4.38	0.02	0.06	0.27	0.34	0.02	0.25	0.27		2,373.42		0.03		2,374.10
Worker	0.90	0.80	8.59	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,237.19		0.09		2,239.13
Total	**1.57**	**9.12**	**12.97**	**0.05**	**0.19**	**0.39**	**0.59**	**0.07**	**0.36**	**0.43**		**4,610.61**		**0.12**		**4,613.23**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.65	16.59	19.50	0.03		1.07	1.07		1.07	1.07		2,917.65		0.24		2,922.63
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.65**	**16.59**	**19.50**	**0.03**		**1.07**	**1.07**		**1.07**	**1.07**		**2,917.65**		**0.24**		**2,922.63**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.05	0.05	0.49	0.00	0.20	0.01	0.20	0.00	0.01	0.01		127.60		0.01		127.71
Total	**0.05**	**0.05**	**0.49**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**127.60**		**0.01**		**127.71**

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.65	16.59	19.50	0.03		1.07	1.07		1.07	1.07	0.00	2,917.65		0.24		2,922.63
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.65**	**16.59**	**19.50**	**0.03**		**1.07**	**1.07**		**1.07**	**1.07**	**0.00**	**2,917.65**		**0.24**		**2,922.63**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.05	0.05	0.49	0.00	0.01	0.01	0.01	0.00	0.01	0.01		127.60		0.01		127.71
Total	**0.05**	**0.05**	**0.49**	**0.00**	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**		**127.60**		**0.01**		**127.71**

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96		2,917.65		0.22		2,922.34
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.48**	**15.56**	**19.43**	**0.03**		**0.96**	**0.96**		**0.96**	**0.96**		**2,917.65**		**0.22**		**2,922.34**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.05	0.04	0.47	0.00	0.20	0.01	0.20	0.00	0.01	0.01		125.98		0.01		126.09
Total	**0.05**	**0.04**	**0.47**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**125.98**		**0.01**		**126.09**

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96	0.00	2,917.65		0.22		2,922.34
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.48**	**15.56**	**19.43**	**0.03**		**0.96**	**0.96**		**0.96**	**0.96**	**0.00**	**2,917.65**		**0.22**		**2,922.34**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.05	0.04	0.47	0.00	0.01	0.01	0.01	0.00	0.01	0.01		125.98		0.01		126.09
Total	**0.05**	**0.04**	**0.47**	**0.00**	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**		**125.98**		**0.01**		**126.09**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05		281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**		**281.19**		**0.02**		**281.51**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.17	0.15	1.66	0.01	0.69	0.02	0.72	0.01	0.02	0.03		445.13		0.02		445.51
Total	**0.17**	**0.15**	**1.66**	**0.01**	**0.69**	**0.02**	**0.72**	**0.01**	**0.02**	**0.03**		**445.13**		**0.02**		**445.51**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05	0.00	281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**281.19**		**0.02**		**281.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.17	0.15	1.66	0.01	0.03	0.02	0.05	0.01	0.02	0.03		445.13		0.02		445.51
Total	**0.17**	**0.15**	**1.66**	**0.01**	**0.03**	**0.02**	**0.05**	**0.01**	**0.02**	**0.03**		**445.13**		**0.02**		**445.51**

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05		281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**		**281.19**		**0.02**		**281.51**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.17	0.15	1.66	0.01	0.69	0.02	0.72	0.01	0.02	0.03		445.13		0.02		445.51
Total	**0.17**	**0.15**	**1.66**	**0.01**	**0.69**	**0.02**	**0.72**	**0.01**	**0.02**	**0.03**		**445.13**		**0.02**		**445.51**

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05	0.00	281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**281.19**		**0.02**		**281.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.17	0.15	1.66	0.01	0.03	0.02	0.05	0.01	0.02	0.03		445.13		0.02		445.51
Total	**0.17**	**0.15**	**1.66**	**0.01**	**0.03**	**0.02**	**0.05**	**0.01**	**0.02**	**0.03**		**445.13**		**0.02**		**445.51**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	50.79	110.90	531.54	0.65	69.62	4.03	73.65	0.97	3.55	4.52		67,581.07		3.90		67,663.03
Unmitigated	50.79	110.90	531.54	0.65	69.62	4.03	73.65	0.97	3.55	4.52		67,581.07		3.90		67,663.03
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	580.50	0.00	0.00	914,262	914,262
High School	2,052.00	732.00	300.00	4,223,468	4,223,468
Single Family Housing	4,785.00	5,040.00	4385.00	13,603,481	13,603,481
Total	7,417.50	5,772.00	4,685.00	18,741,212	18,741,212

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00
High School	9.50	7.30	7.30	77.80	17.20	5.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
NaturalGas Unmitigated	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Elementary School	639.05	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		75.18		0.00	0.00	75.64
High School	2704.1	0.03	0.27	0.22	0.00		0.00	0.02		0.00	0.02		318.13		0.01	0.01	320.07
Single Family Housing	52244.3	0.56	4.81	2.05	0.03		0.00	0.39		0.00	0.39		6,146.39		0.12	0.11	6,183.80
Total		**0.60**	**5.14**	**2.32**	**0.03**		**0.00**	**0.41**		**0.00**	**0.41**		**6,539.70**		**0.13**	**0.12**	**6,579.51**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Elementary School	0.63905	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		75.18		0.00	0.00	75.64
High School	2.7041	0.03	0.27	0.22	0.00		0.00	0.02		0.00	0.02		318.13		0.01	0.01	320.07
Single Family Housing	52.2443	0.56	4.81	2.05	0.03		0.00	0.39		0.00	0.39		6,146.39		0.12	0.11	6,183.80
Total		**0.60**	**5.14**	**2.32**	**0.03**		**0.00**	**0.41**		**0.00**	**0.41**		**6,539.70**		**0.13**	**0.12**	**6,579.51**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Unmitigated	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.96					0.00	0.00		0.00	0.00						0.00
Consumer Products	23.47					0.00	0.00		0.00	0.00						0.00
Hearth	263.71	4.69	389.47	0.37		0.00	56.66		0.00	56.66	6,440.14	5,823.53		12.81	0.44	12,667.70
Landscaping	1.53	0.52	43.91	0.00		0.00	0.22		0.00	0.22		75.18		0.09		77.03
Total	**297.67**	**5.21**	**433.38**	**0.37**		**0.00**	**56.88**		**0.00**	**56.88**	**6,440.14**	**5,898.71**		**12.90**	**0.44**	**12,744.73**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.96					0.00	0.00		0.00	0.00						0.00
Consumer Products	23.47					0.00	0.00		0.00	0.00						0.00
Hearth	263.71	4.69	389.47	0.37		0.00	56.66		0.00	56.66	6,440.14	5,823.53		12.81	0.44	12,667.70
Landscaping	1.53	0.52	43.91	0.00		0.00	0.22		0.00	0.22		75.18		0.09		77.03
Total	**297.67**	**5.21**	**433.38**	**0.37**		**0.00**	**56.88**		**0.00**	**56.88**	**6,440.14**	**5,898.71**		**12.90**	**0.44**	**12,744.73**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

3957.1 Otay Mesa CPU - Large Project Construction

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	500	Dwelling Unit
Elementary School	450	Student
High School	1200	Student

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Demolition -

Architectural Coating - CalGreen VOC limit = 150 g/L

Construction Phase -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	13.33	110.95	59.23	0.10	18.30	5.44	22.92	9.93	5.44	14.55	0.00	11,058.34	0.00	1.19	0.00	11,083.42
2012	12.64	104.06	56.54	0.10	8.93	5.02	13.95	3.31	5.02	8.33	0.00	11,054.01	0.00	1.13	0.00	11,077.83
2013	8.19	51.55	49.90	0.09	4.22	2.89	7.12	0.07	2.84	2.91	0.00	8,906.70	0.00	0.69	0.00	8,921.28
2014	7.54	47.66	47.56	0.09	4.22	2.60	6.82	0.07	2.55	2.62	0.00	8,856.44	0.00	0.64	0.00	8,869.84
2015	6.95	43.60	45.48	0.09	4.22	2.34	6.56	0.07	2.29	2.36	0.00	8,802.64	0.00	0.59	0.00	8,815.02
2016	6.43	39.96	43.67	0.09	4.22	2.10	6.32	0.07	2.06	2.12	0.00	8,746.80	0.00	0.54	0.00	8,758.19
2017	5.95	36.65	42.04	0.09	4.22	1.87	6.10	0.07	1.84	1.90	0.00	8,695.10	0.00	0.50	0.00	8,705.58
2018	5.50	33.58	40.57	0.09	4.22	1.67	5.89	0.07	1.63	1.70	0.00	8,646.78	0.00	0.46	0.00	8,656.42
2019	5.09	30.88	39.32	0.09	4.22	1.48	5.70	0.07	1.44	1.51	0.00	8,603.03	0.00	0.43	0.00	8,611.97
2020	4.76	28.47	38.28	0.09	4.22	1.31	5.53	0.07	1.28	1.34	0.00	8,562.77	0.00	0.39	0.00	8,571.03
2021	4.44	26.21	37.44	0.09	4.22	1.16	5.39	0.07	1.13	1.19	0.00	8,546.40	0.00	0.37	0.00	8,554.08
2022	4.20	24.31	36.63	0.09	4.22	1.04	5.26	0.07	1.00	1.07	0.00	8,512.58	0.00	0.34	0.00	8,519.79
2023	3.98	22.63	35.90	0.09	4.22	0.93	5.15	0.07	0.90	0.96	0.00	8,481.59	0.00	0.32	0.00	8,488.41
2024	3.80	21.19	35.25	0.09	4.22	1.08	5.07	0.07	1.08	1.08	0.00	8,453.72	0.00	0.31	0.00	8,460.21
2025	89.52	15.61	19.87	0.03	0.69	0.96	1.16	0.01	0.96	0.96	0.00	3,033.75	0.00	0.23	0.00	3,038.54

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	89.52	1.31	3.35	0.01	0.69	0.08	0.77	0.01	0.07	0.08	0.00	691.41	0.00	0.03	0.00	692.09
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	13.33	110.95	59.23	0.10	18.08	5.44	22.69	9.93	5.44	14.55	0.00	11,058.34	0.00	1.19	0.00	11,083.42
2012	12.64	104.06	56.54	0.10	8.68	5.02	13.70	3.31	5.02	8.33	0.00	11,054.01	0.00	1.13	0.00	11,077.83
2013	8.19	51.55	49.90	0.09	0.19	2.89	3.08	0.07	2.84	2.91	0.00	8,906.70	0.00	0.69	0.00	8,921.28
2014	7.54	47.66	47.56	0.09	0.19	2.60	2.79	0.07	2.55	2.62	0.00	8,856.44	0.00	0.64	0.00	8,869.84
2015	6.95	43.60	45.48	0.09	0.19	2.34	2.53	0.07	2.29	2.36	0.00	8,802.64	0.00	0.59	0.00	8,815.02
2016	6.43	39.96	43.67	0.09	0.19	2.10	2.29	0.07	2.06	2.12	0.00	8,746.80	0.00	0.54	0.00	8,758.19
2017	5.95	36.65	42.04	0.09	0.19	1.87	2.06	0.07	1.84	1.90	0.00	8,695.10	0.00	0.50	0.00	8,705.58
2018	5.50	33.58	40.57	0.09	0.19	1.67	1.86	0.07	1.63	1.70	0.00	8,646.78	0.00	0.46	0.00	8,656.42
2019	5.09	30.88	39.32	0.09	0.19	1.48	1.67	0.07	1.44	1.51	0.00	8,603.03	0.00	0.43	0.00	8,611.97
2020	4.76	28.47	38.28	0.09	0.19	1.31	1.50	0.07	1.28	1.34	0.00	8,562.77	0.00	0.39	0.00	8,571.03
2021	4.44	26.21	37.44	0.09	0.19	1.16	1.35	0.07	1.13	1.19	0.00	8,546.40	0.00	0.37	0.00	8,554.08
2022	4.20	24.31	36.63	0.09	0.19	1.04	1.23	0.07	1.00	1.07	0.00	8,512.58	0.00	0.34	0.00	8,519.79
2023	3.98	22.63	35.90	0.09	0.19	0.93	1.12	0.07	0.90	0.96	0.00	8,481.59	0.00	0.32	0.00	8,488.41
2024	3.80	21.19	35.25	0.09	0.19	1.08	1.09	0.07	1.08	1.08	0.00	8,453.72	0.00	0.31	0.00	8,460.21
2025	89.52	15.61	19.87	0.03	0.03	0.96	0.97	0.01	0.96	0.96	0.00	3,033.75	0.00	0.23	0.00	3,038.54
2026	89.52	1.31	3.35	0.01	0.03	0.08	0.10	0.01	0.07	0.08	0.00	691.41	0.00	0.03	0.00	692.09
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Energy	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
Mobile	54.58	116.95	524.82	0.60	69.62	4.07	73.69	0.97	3.59	4.56		63,219.64		3.99		63,303.40
Total	**352.85**	**127.30**	**960.52**	**1.00**	**69.62**	**4.07**	**130.99**	**0.97**	**3.59**	**61.85**	**6,440.14**	**75,658.05**		**17.02**	**0.56**	**82,627.63**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Energy	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
Mobile	54.58	116.95	524.82	0.60	69.62	4.07	73.69	0.97	3.59	4.56		63,219.64		3.99		63,303.40
Total	**352.85**	**127.30**	**960.52**	**1.00**	**69.62**	**4.07**	**130.99**	**0.97**	**3.59**	**61.85**	**6,440.14**	**75,658.05**		**17.02**	**0.56**	**82,627.63**

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	10.99	89.73	50.45	0.07		4.61	4.61		4.61	4.61		7,997.70		0.99		8,018.42
Total	**10.99**	**89.73**	**50.45**	**0.07**	**18.07**	**4.61**	**22.68**	**9.93**	**4.61**	**14.54**		**7,997.70**		**0.99**		**8,018.42**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.14	0.16	1.38	0.00	0.23	0.01	0.24	0.00	0.01	0.01		181.52		0.01		181.80
Total	**0.14**	**0.16**	**1.38**	**0.00**	**0.23**	**0.01**	**0.24**	**0.00**	**0.01**	**0.01**		**181.52**		**0.01**		**181.80**

3.2 Site Preparation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.07	0.00	18.07	9.93	0.00	9.93						0.00
Off-Road	10.99	89.73	50.45	0.07		4.61	4.61		4.61	4.61	0.00	7,997.70		0.99		8,018.42
Total	**10.99**	**89.73**	**50.45**	**0.07**	**18.07**	**4.61**	**22.68**	**9.93**	**4.61**	**14.54**	**0.00**	**7,997.70**		**0.99**		**8,018.42**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.14	0.16	1.38	0.00	0.01	0.01	0.02	0.00	0.01	0.01		181.52		0.01		181.80
Total	**0.14**	**0.16**	**1.38**	**0.00**	**0.01**	**0.01**	**0.02**	**0.00**	**0.01**	**0.01**		**181.52**		**0.01**		**181.80**

3.3 Grading - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	13.18	110.77	57.70	0.10		5.43	5.43		5.43	5.43		10,856.66		1.18		10,881.42
Total	**13.18**	**110.77**	**57.70**	**0.10**	**8.67**	**5.43**	**14.10**	**3.31**	**5.43**	**8.74**		**10,856.66**		**1.18**		**10,881.42**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.15	0.18	1.54	0.00	0.26	0.01	0.27	0.00	0.01	0.01		201.69		0.01		202.00
Total	**0.15**	**0.18**	**1.54**	**0.00**	**0.26**	**0.01**	**0.27**	**0.00**	**0.01**	**0.01**		**201.69**		**0.01**		**202.00**

3.3 Grading - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	13.18	110.77	57.70	0.10		5.43	5.43		5.43	5.43	0.00	10,856.66		1.18		10,881.42
Total	**13.18**	**110.77**	**57.70**	**0.10**	**8.67**	**5.43**	**14.10**	**3.31**	**5.43**	**8.74**	**0.00**	**10,856.66**		**1.18**		**10,881.42**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.15	0.18	1.54	0.00	0.01	0.01	0.02	0.00	0.01	0.01		201.69		0.01		202.00
Total	**0.15**	**0.18**	**1.54**	**0.00**	**0.01**	**0.01**	**0.02**	**0.00**	**0.01**	**0.01**		**201.69**		**0.01**		**202.00**

3.3 Grading - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01		10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**8.67**	**5.01**	**13.68**	**3.31**	**5.01**	**8.32**		**10,856.65**		**1.12**		**10,880.18**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.14	0.16	1.41	0.00	0.26	0.01	0.27	0.00	0.01	0.01		197.36		0.01		197.65
Total	**0.14**	**0.16**	**1.41**	**0.00**	**0.26**	**0.01**	**0.27**	**0.00**	**0.01**	**0.01**		**197.36**		**0.01**		**197.65**

3.3 Grading - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01	0.00	10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**8.67**	**5.01**	**13.68**	**3.31**	**5.01**	**8.32**	**0.00**	**10,856.65**		**1.12**		**10,880.18**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.14	0.16	1.41	0.00	0.01	0.01	0.02	0.00	0.01	0.01		197.36		0.01		197.65
Total	**0.14**	**0.16**	**1.41**	**0.00**	**0.01**	**0.01**	**0.02**	**0.00**	**0.01**	**0.01**		**197.36**		**0.01**		**197.65**

3.4 Building Construction - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54		4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**		**4,040.62**		**0.51**		**4,051.23**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.43	16.21	10.17	0.02	0.79	0.54	1.33	0.02	0.49	0.51		2,322.27		0.07		2,323.74
Worker	1.84	2.12	18.50	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,595.24		0.18		2,599.04
Total	**3.27**	**18.33**	**28.67**	**0.05**	**4.22**	**0.66**	**4.88**	**0.07**	**0.60**	**0.67**		**4,917.51**		**0.25**		**4,922.78**

3.4 Building Construction - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54	0.00	4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**	**0.00**	**4,040.62**		**0.51**		**4,051.23**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.43	16.21	10.17	0.02	0.06	0.54	0.60	0.02	0.49	0.51		2,322.27		0.07		2,323.74
Worker	1.84	2.12	18.50	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,595.24		0.18		2,599.04
Total	**3.27**	**18.33**	**28.67**	**0.05**	**0.19**	**0.66**	**0.85**	**0.07**	**0.60**	**0.67**		**4,917.51**		**0.25**		**4,922.78**

3.4 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28		4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**		**4,040.62**		**0.46**		**4,050.31**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.32	14.95	9.47	0.02	0.79	0.49	1.28	0.02	0.45	0.47		2,325.82		0.06		2,327.18
Worker	1.70	1.94	16.98	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,540.27		0.17		2,543.79
Total	**3.02**	**16.89**	**26.45**	**0.05**	**4.22**	**0.61**	**4.83**	**0.07**	**0.56**	**0.63**		**4,866.09**		**0.23**		**4,870.97**

3.4 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28	0.00	4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**	**0.00**	**4,040.62**		**0.46**		**4,050.31**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.32	14.95	9.47	0.02	0.06	0.49	0.55	0.02	0.45	0.47		2,325.82		0.06		2,327.18
Worker	1.70	1.94	16.98	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,540.27		0.17		2,543.79
Total	**3.02**	**16.89**	**26.45**	**0.05**	**0.19**	**0.61**	**0.80**	**0.07**	**0.56**	**0.63**		**4,866.09**		**0.23**		**4,870.97**

3.4 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02		4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**		**4,040.61**		**0.42**		**4,049.51**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.22	13.82	8.79	0.02	0.79	0.46	1.25	0.02	0.42	0.44		2,329.24		0.06		2,330.49
Worker	1.58	1.78	15.57	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,486.58		0.16		2,489.84
Total	**2.80**	**15.60**	**24.36**	**0.05**	**4.22**	**0.58**	**4.80**	**0.07**	**0.53**	**0.60**		**4,815.82**		**0.22**		**4,820.33**

3.4 Building Construction - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02	0.00	4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**	**0.00**	**4,040.61**		**0.42**		**4,049.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.22	13.82	8.79	0.02	0.06	0.46	0.52	0.02	0.42	0.44		2,329.24		0.06		2,330.49
Worker	1.58	1.78	15.57	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,486.58		0.16		2,489.84
Total	**2.80**	**15.60**	**24.36**	**0.05**	**0.19**	**0.58**	**0.77**	**0.07**	**0.53**	**0.60**		**4,815.82**		**0.22**		**4,820.33**

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80		4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**		**4,040.61**		**0.39**		**4,048.81**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.13	12.81	8.18	0.02	0.79	0.42	1.21	0.02	0.39	0.41		2,332.24		0.06		2,333.40
Worker	1.48	1.63	14.32	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,429.78		0.14		2,432.81
Total	**2.61**	**14.44**	**22.50**	**0.05**	**4.22**	**0.54**	**4.76**	**0.07**	**0.50**	**0.57**		**4,762.02**		**0.20**		**4,766.21**

3.4 Building Construction - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80	0.00	4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**4,040.61**		**0.39**		**4,048.81**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.13	12.81	8.18	0.02	0.06	0.42	0.48	0.02	0.39	0.41		2,332.24		0.06		2,333.40
Worker	1.48	1.63	14.32	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,429.78		0.14		2,432.81
Total	**2.61**	**14.44**	**22.50**	**0.05**	**0.19**	**0.54**	**0.73**	**0.07**	**0.50**	**0.57**		**4,762.02**		**0.20**		**4,766.21**

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58		4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**		**4,040.61**		**0.36**		**4,048.10**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.05	11.94	7.66	0.02	0.79	0.39	1.18	0.02	0.36	0.38		2,335.10		0.05		2,336.18
Worker	1.39	1.51	13.21	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,371.09		0.13		2,373.91
Total	**2.44**	**13.45**	**20.87**	**0.05**	**4.22**	**0.51**	**4.73**	**0.07**	**0.47**	**0.54**		**4,706.19**		**0.18**		**4,710.09**

3.4 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58	0.00	4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**	**0.00**	**4,040.61**		**0.36**		**4,048.10**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	1.05	11.94	7.66	0.02	0.06	0.39	0.45	0.02	0.36	0.38		2,335.10		0.05		2,336.18
Worker	1.39	1.51	13.21	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,371.09		0.13		2,373.91
Total	**2.44**	**13.45**	**20.87**	**0.05**	**0.19**	**0.51**	**0.70**	**0.07**	**0.47**	**0.54**		**4,706.19**		**0.18**		**4,710.09**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39		4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**		**4,040.61**		**0.33**		**4,047.45**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.99	11.18	7.22	0.02	0.79	0.37	1.16	0.02	0.34	0.36		2,337.61		0.05		2,338.62
Worker	1.31	1.39	12.17	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,316.87		0.13		2,319.50
Total	**2.30**	**12.57**	**19.39**	**0.05**	**4.22**	**0.49**	**4.71**	**0.07**	**0.45**	**0.52**		**4,654.48**		**0.18**		**4,658.12**

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39	0.00	4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**	**0.00**	**4,040.61**		**0.33**		**4,047.45**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.99	11.18	7.22	0.02	0.06	0.37	0.43	0.02	0.34	0.36		2,337.61		0.05		2,338.62
Worker	1.31	1.39	12.17	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,316.87		0.13		2,319.50
Total	**2.30**	**12.57**	**19.39**	**0.05**	**0.19**	**0.49**	**0.68**	**0.07**	**0.45**	**0.52**		**4,654.48**		**0.18**		**4,658.12**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20		4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**		**4,040.62**		**0.30**		**4,046.87**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.93	10.52	6.84	0.02	0.79	0.35	1.14	0.02	0.32	0.34		2,339.86		0.05		2,340.81
Worker	1.23	1.28	11.24	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,266.30		0.12		2,268.75
Total	**2.16**	**11.80**	**18.08**	**0.05**	**4.22**	**0.47**	**4.69**	**0.07**	**0.43**	**0.50**		**4,606.16**		**0.17**		**4,609.56**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20	0.00	4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**	**0.00**	**4,040.62**		**0.30**		**4,046.87**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.93	10.52	6.84	0.02	0.06	0.35	0.41	0.02	0.32	0.34		2,339.86		0.05		2,340.81
Worker	1.23	1.28	11.24	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,266.30		0.12		2,268.75
Total	**2.16**	**11.80**	**18.08**	**0.05**	**0.19**	**0.47**	**0.66**	**0.07**	**0.43**	**0.50**		**4,606.16**		**0.17**		**4,609.56**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**		**4,040.62**		**0.27**		**4,046.36**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.88	9.95	6.47	0.02	0.79	0.33	1.12	0.02	0.30	0.32		2,342.28		0.04		2,343.17
Worker	1.17	1.19	10.49	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,220.13		0.11		2,222.43
Total	**2.05**	**11.14**	**16.96**	**0.05**	**4.22**	**0.45**	**4.67**	**0.07**	**0.41**	**0.48**		**4,562.41**		**0.15**		**4,565.60**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**	**0.00**	**4,040.62**		**0.27**		**4,046.36**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.88	9.95	6.47	0.02	0.06	0.33	0.39	0.02	0.30	0.32		2,342.28		0.04		2,343.17
Worker	1.17	1.19	10.49	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,220.13		0.11		2,222.43
Total	**2.05**	**11.14**	**16.96**	**0.05**	**0.19**	**0.45**	**0.64**	**0.07**	**0.41**	**0.48**		**4,562.41**		**0.15**		**4,565.60**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88		4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**		**4,040.62**		**0.25**		**4,045.85**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.83	9.47	6.19	0.02	0.79	0.31	1.11	0.02	0.29	0.31		2,344.31		0.04		2,345.15
Worker	1.12	1.11	9.85	0.03	3.43	0.12	3.55	0.05	0.11	0.16		2,177.85		0.10		2,180.02
Total	**1.95**	**10.58**	**16.04**	**0.05**	**4.22**	**0.43**	**4.66**	**0.07**	**0.40**	**0.47**		**4,522.16**		**0.14**		**4,525.17**

3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88	0.00	4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**	**0.00**	**4,040.62**		**0.25**		**4,045.85**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.83	9.47	6.19	0.02	0.06	0.31	0.38	0.02	0.29	0.31		2,344.31		0.04		2,345.15
Worker	1.12	1.11	9.85	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,177.85		0.10		2,180.02
Total	**1.95**	**10.58**	**16.04**	**0.05**	**0.19**	**0.43**	**0.63**	**0.07**	**0.40**	**0.47**		**4,522.16**		**0.14**		**4,525.17**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74		4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**		**4,040.61**		**0.23**		**4,045.38**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.80	9.09	5.92	0.02	0.79	0.30	1.09	0.02	0.28	0.30		2,346.23		0.04		2,347.03
Worker	1.09	1.04	9.43	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,159.56		0.10		2,161.67
Total	**1.89**	**10.13**	**15.35**	**0.05**	**4.22**	**0.42**	**4.65**	**0.07**	**0.39**	**0.46**		**4,505.79**		**0.14**		**4,508.70**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74	0.00	4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**	**0.00**	**4,040.61**		**0.23**		**4,045.38**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.80	9.09	5.92	0.02	0.06	0.30	0.36	0.02	0.28	0.30		2,346.23		0.04		2,347.03
Worker	1.09	1.04	9.43	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,159.56		0.10		2,161.67
Total	**1.89**	**10.13**	**15.35**	**0.05**	**0.19**	**0.42**	**0.61**	**0.07**	**0.39**	**0.46**		**4,505.79**		**0.14**		**4,508.70**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62		4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**		**4,040.61**		**0.21**		**4,045.05**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.77	8.76	5.68	0.02	0.79	0.29	1.09	0.02	0.27	0.29		2,347.94		0.04		2,348.71
Worker	1.05	0.98	8.91	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,124.02		0.10		2,126.03
Total	**1.82**	**9.74**	**14.59**	**0.05**	**4.22**	**0.41**	**4.65**	**0.07**	**0.38**	**0.45**		**4,471.96**		**0.14**		**4,474.74**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62	0.00	4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**	**0.00**	**4,040.61**		**0.21**		**4,045.05**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.77	8.76	5.68	0.02	0.06	0.29	0.35	0.02	0.27	0.29		2,347.94		0.04		2,348.71
Worker	1.05	0.98	8.91	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,124.02		0.10		2,126.03
Total	**1.82**	**9.74**	**14.59**	**0.05**	**0.19**	**0.41**	**0.60**	**0.07**	**0.38**	**0.45**		**4,471.96**		**0.14**		**4,474.74**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52		4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**		**4,040.61**		**0.20**		**4,044.79**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.74	8.49	5.49	0.02	0.79	0.29	1.08	0.02	0.26	0.28		2,349.50		0.04		2,350.25
Worker	1.01	0.92	8.42	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,091.47		0.09		2,093.37
Total	**1.75**	**9.41**	**13.91**	**0.05**	**4.22**	**0.41**	**4.64**	**0.07**	**0.37**	**0.44**		**4,440.97**		**0.13**		**4,443.62**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52	0.00	4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**	**0.00**	**4,040.61**		**0.20**		**4,044.79**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.74	8.49	5.49	0.02	0.06	0.29	0.35	0.02	0.26	0.28		2,349.50		0.04		2,350.25
Worker	1.01	0.92	8.42	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,091.47		0.09		2,093.37
Total	**1.75**	**9.41**	**13.91**	**0.05**	**0.19**	**0.41**	**0.60**	**0.07**	**0.37**	**0.44**		**4,440.97**		**0.13**		**4,443.62**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.11	12.06	21.95	0.04		0.45	0.45		0.45	0.45		4,040.62		0.19		4,044.56
Total	**2.11**	**12.06**	**21.95**	**0.04**		**0.45**	**0.45**		**0.45**	**0.45**		**4,040.62**		**0.19**		**4,044.56**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.72	8.26	5.29	0.02	0.79	0.28	1.07	0.02	0.26	0.28		2,351.11		0.03		2,351.83
Worker	0.97	0.87	8.01	0.03	3.43	0.12	3.56	0.05	0.11	0.16		2,061.99		0.09		2,063.83
Total	**1.69**	**9.13**	**13.30**	**0.05**	**4.22**	**0.40**	**4.63**	**0.07**	**0.37**	**0.44**		**4,413.10**		**0.12**		**4,415.66**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.11	12.06	21.95	0.04		0.45	0.45		0.45	0.45	0.00	4,040.62		0.19		4,044.56
Total	**2.11**	**12.06**	**21.95**	**0.04**		**0.45**	**0.45**		**0.45**	**0.45**	**0.00**	**4,040.62**		**0.19**		**4,044.56**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.72	8.26	5.29	0.02	0.06	0.28	0.34	0.02	0.26	0.28		2,351.11		0.03		2,351.83
Worker	0.97	0.87	8.01	0.03	0.13	0.12	0.25	0.05	0.11	0.16		2,061.99		0.09		2,063.83
Total	**1.69**	**9.13**	**13.30**	**0.05**	**0.19**	**0.40**	**0.59**	**0.07**	**0.37**	**0.44**		**4,413.10**		**0.12**		**4,415.66**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.65	16.59	19.50	0.03		1.07	1.07		1.07	1.07		2,917.65		0.24		2,922.63
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.65**	**16.59**	**19.50**	**0.03**		**1.07**	**1.07**		**1.07**	**1.07**		**2,917.65**		**0.24**		**2,922.63**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.05	0.46	0.00	0.20	0.01	0.20	0.00	0.01	0.01		117.60		0.00		117.71
Total	**0.06**	**0.05**	**0.46**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**117.60**		**0.00**		**117.71**

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.65	16.59	19.50	0.03		1.07	1.07		1.07	1.07	0.00	2,917.65		0.24		2,922.63
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.65**	**16.59**	**19.50**	**0.03**		**1.07**	**1.07**		**1.07**	**1.07**	**0.00**	**2,917.65**		**0.24**		**2,922.63**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.05	0.46	0.00	0.01	0.01	0.01	0.00	0.01	0.01		117.60		0.00		117.71
Total	**0.06**	**0.05**	**0.46**	**0.00**	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**		**117.60**		**0.00**		**117.71**

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96		2,917.65		0.22		2,922.34
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.48**	**15.56**	**19.43**	**0.03**		**0.96**	**0.96**		**0.96**	**0.96**		**2,917.65**		**0.22**		**2,922.34**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.05	0.05	0.44	0.00	0.20	0.01	0.20	0.00	0.01	0.01		116.10		0.00		116.20
Total	**0.05**	**0.05**	**0.44**	**0.00**	**0.20**	**0.01**	**0.20**	**0.00**	**0.01**	**0.01**		**116.10**		**0.00**		**116.20**

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.48	15.56	19.43	0.03		0.96	0.96		0.96	0.96	0.00	2,917.65		0.22		2,922.34
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.48**	**15.56**	**19.43**	**0.03**		**0.96**	**0.96**		**0.96**	**0.96**	**0.00**	**2,917.65**		**0.22**		**2,922.34**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.05	0.05	0.44	0.00	0.01	0.01	0.01	0.00	0.01	0.01		116.10		0.00		116.20
Total	**0.05**	**0.05**	**0.44**	**0.00**	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**		**116.10**		**0.00**		**116.20**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05		281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**		**281.19**		**0.02**		**281.51**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.19	0.17	1.54	0.01	0.69	0.02	0.72	0.01	0.02	0.03		410.22		0.02		410.58
Total	**0.19**	**0.17**	**1.54**	**0.01**	**0.69**	**0.02**	**0.72**	**0.01**	**0.02**	**0.03**		**410.22**		**0.02**		**410.58**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05	0.00	281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**281.19**		**0.02**		**281.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.19	0.17	1.54	0.01	0.03	0.02	0.05	0.01	0.02	0.03		410.22		0.02		410.58
Total	**0.19**	**0.17**	**1.54**	**0.01**	**0.03**	**0.02**	**0.05**	**0.01**	**0.02**	**0.03**		**410.22**		**0.02**		**410.58**

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05		281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**		**281.19**		**0.02**		**281.51**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.19	0.17	1.54	0.01	0.69	0.02	0.72	0.01	0.02	0.03		410.22		0.02		410.58
Total	**0.19**	**0.17**	**1.54**	**0.01**	**0.69**	**0.02**	**0.72**	**0.01**	**0.02**	**0.03**		**410.22**		**0.02**		**410.58**

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.16					0.00	0.00		0.00	0.00						0.00
Off-Road	0.17	1.14	1.81	0.00		0.05	0.05		0.05	0.05	0.00	281.19		0.02		281.51
Total	**89.33**	**1.14**	**1.81**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**281.19**		**0.02**		**281.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.19	0.17	1.54	0.01	0.03	0.02	0.05	0.01	0.02	0.03		410.22		0.02		410.58
Total	**0.19**	**0.17**	**1.54**	**0.01**	**0.03**	**0.02**	**0.05**	**0.01**	**0.02**	**0.03**		**410.22**		**0.02**		**410.58**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	54.58	116.95	524.82	0.60	69.62	4.07	73.69	0.97	3.59	4.56		63,219.64		3.99		63,303.40
Unmitigated	54.58	116.95	524.82	0.60	69.62	4.07	73.69	0.97	3.59	4.56		63,219.64		3.99		63,303.40
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	580.50	0.00	0.00	914,262	914,262
High School	2,052.00	732.00	300.00	4,223,468	4,223,468
Single Family Housing	4,785.00	5,040.00	4385.00	13,603,481	13,603,481
Total	7,417.50	5,772.00	4,685.00	18,741,212	18,741,212

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00
High School	9.50	7.30	7.30	77.80	17.20	5.00

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
NaturalGas Unmitigated	0.60	5.14	2.32	0.03		0.00	0.41		0.00	0.41		6,539.70		0.13	0.12	6,579.50
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Elementary School	639.05	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		75.18		0.00	0.00	75.64
High School	2704.1	0.03	0.27	0.22	0.00		0.00	0.02		0.00	0.02		318.13		0.01	0.01	320.07
Single Family Housing	52244.3	0.56	4.81	2.05	0.03		0.00	0.39		0.00	0.39		6,146.39		0.12	0.11	6,183.80
Total		**0.60**	**5.14**	**2.32**	**0.03**		**0.00**	**0.41**		**0.00**	**0.41**		**6,539.70**		**0.13**	**0.12**	**6,579.51**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Elementary School	0.63905	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		75.18		0.00	0.00	75.64
High School	2.7041	0.03	0.27	0.22	0.00		0.00	0.02		0.00	0.02		318.13		0.01	0.01	320.07
Single Family Housing	52.2443	0.56	4.81	2.05	0.03		0.00	0.39		0.00	0.39		6,146.39		0.12	0.11	6,183.80
Total		**0.60**	**5.14**	**2.32**	**0.03**		**0.00**	**0.41**		**0.00**	**0.41**		**6,539.70**		**0.13**	**0.12**	**6,579.51**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Unmitigated	297.67	5.21	433.38	0.37		0.00	56.89		0.00	56.88	6,440.14	5,898.71		12.90	0.44	12,744.73
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.96					0.00	0.00		0.00	0.00						0.00
Consumer Products	23.47					0.00	0.00		0.00	0.00						0.00
Hearth	263.71	4.69	389.47	0.37		0.00	56.66		0.00	56.66	6,440.14	5,823.53		12.81	0.44	12,667.70
Landscaping	1.53	0.52	43.91	0.00		0.00	0.22		0.00	0.22		75.18		0.09		77.03
Total	**297.67**	**5.21**	**433.38**	**0.37**		**0.00**	**56.88**		**0.00**	**56.88**	**6,440.14**	**5,898.71**		**12.90**	**0.44**	**12,744.73**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.96					0.00	0.00		0.00	0.00						0.00
Consumer Products	23.47					0.00	0.00		0.00	0.00						0.00
Hearth	263.71	4.69	389.47	0.37		0.00	56.66		0.00	56.66	6,440.14	5,823.53		12.81	0.44	12,667.70
Landscaping	1.53	0.52	43.91	0.00		0.00	0.22		0.00	0.22		75.18		0.09		77.03
Total	**297.67**	**5.21**	**433.38**	**0.37**		**0.00**	**56.88**		**0.00**	**56.88**	**6,440.14**	**5,898.71**		**12.90**	**0.44**	**12,744.73**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

3957.1 Otay Mesa CPU - Small Project Construction

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Low Rise	20	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Small sample project = 20 units on 1 acre

Demolition -

Architectural Coating - CalGreen VOC limit = 150 g/L

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	0.51	1.67	1.12	0.00	0.02	0.12	0.14	0.00	0.12	0.12	0.00	153.41	153.41	0.03	0.00	153.96
Total	**0.51**	**1.67**	**1.12**	**0.00**	**0.02**	**0.12**	**0.14**	**0.00**	**0.12**	**0.12**	**0.00**	**153.41**	**153.41**	**0.03**	**0.00**	**153.96**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	0.51	1.67	1.12	0.00	0.01	0.12	0.13	0.00	0.12	0.12	0.00	153.41	153.41	0.03	0.00	153.96
Total	**0.51**	**1.67**	**1.12**	**0.00**	**0.01**	**0.12**	**0.13**	**0.00**	**0.12**	**0.12**	**0.00**	**153.41**	**153.41**	**0.03**	**0.00**	**153.96**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.37	0.02	1.70	0.00		0.00	0.22		0.00	0.22	20.66	26.24	46.90	0.02	0.00	47.91
Energy	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	42.72	42.72	0.00	0.00	42.95
Mobile	0.16	0.35	1.71	0.00	0.20	0.01	0.21	0.00	0.01	0.01	0.00	189.40	189.40	0.01	0.00	189.65
Waste						0.00	0.00		0.00	0.00	1.87	0.00	1.87	0.11	0.00	4.19
Water						0.00	0.00		0.00	0.00	0.00	9.26	9.26	0.04	0.00	10.44
Total	**1.53**	**0.39**	**3.42**	**0.00**	**0.20**	**0.01**	**0.43**	**0.00**	**0.01**	**0.23**	**22.53**	**267.62**	**290.15**	**0.18**	**0.00**	**295.14**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.37	0.02	1.70	0.00		0.00	0.22		0.00	0.22	20.66	26.24	46.90	0.02	0.00	47.91
Energy	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	42.72	42.72	0.00	0.00	42.95
Mobile	0.16	0.35	1.71	0.00	0.20	0.01	0.21	0.00	0.01	0.01	0.00	189.40	189.40	0.01	0.00	189.65
Waste						0.00	0.00		0.00	0.00	1.87	0.00	1.87	0.11	0.00	4.19
Water						0.00	0.00		0.00	0.00	0.00	9.26	9.26	0.04	0.00	10.44
Total	**1.53**	**0.39**	**3.42**	**0.00**	**0.20**	**0.01**	**0.43**	**0.00**	**0.01**	**0.23**	**22.53**	**267.62**	**290.15**	**0.18**	**0.00**	**295.14**

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.22	0.13	0.00		0.01	0.01		0.01	0.01	0.00	17.90	17.90	0.00	0.00	17.95
Total	**0.03**	**0.22**	**0.13**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**	**0.00**	**17.90**	**17.90**	**0.00**	**0.00**	**17.95**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.00	0.00	0.86
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
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.61	0.00	0.00	0.61
Total	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.46**	**1.46**	**0.00**	**0.00**	**1.47**

3.2 Demolition - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.03	0.22	0.13	0.00		0.01	0.01		0.01	0.01	0.00	17.90	17.90	0.00	0.00	17.95
Total	**0.03**	**0.22**	**0.13**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**	**0.00**	**17.90**	**17.90**	**0.00**	**0.00**	**17.95**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.00	0.00	0.86
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
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.61	0.00	0.00	0.61
Total	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.46**	**1.46**	**0.00**	**0.00**	**1.47**

3.3 Site Preparation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.48
Total	**0.00**	**0.02**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.48**	**1.48**	**0.00**	**0.00**	**1.48**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**0.04**	**0.00**	**0.00**	**0.04**

3.3 Site Preparation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.48
Total	**0.00**	**0.02**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.48**	**1.48**	**0.00**	**0.00**	**1.48**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**0.04**	**0.00**	**0.00**	**0.04**

3.4 Grading - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.44	2.44	0.00	0.00	2.45
Total	**0.00**	**0.03**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**2.44**	**0.00**	**0.00**	**2.45**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.00**	**0.07**

3.4 Grading - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.44	2.44	0.00	0.00	2.45
Total	**0.00**	**0.03**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.44**	**2.44**	**0.00**	**0.00**	**2.45**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.00**	**0.07**

3.5 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.27	1.32	0.85	0.00		0.10	0.10		0.10	0.10	0.00	116.16	116.16	0.02	0.00	116.62
Total	**0.27**	**1.32**	**0.85**	**0.00**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**116.16**	**116.16**	**0.02**	**0.00**	**116.62**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.46	0.00	0.00	2.46
Worker	0.00	0.01	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.52	6.52	0.00	0.00	6.53
Total	**0.00**	**0.03**	**0.06**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**8.98**	**8.98**	**0.00**	**0.00**	**8.99**

3.5 Building Construction - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.27	1.32	0.85	0.00		0.10	0.10		0.10	0.10	0.00	116.16	116.16	0.02	0.00	116.62
Total	**0.27**	**1.32**	**0.85**	**0.00**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**116.16**	**116.16**	**0.02**	**0.00**	**116.62**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.46	0.00	0.00	2.46
Worker	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.52	6.52	0.00	0.00	6.53
Total	**0.00**	**0.03**	**0.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**8.98**	**8.98**	**0.00**	**0.00**	**8.99**

3.6 Paving - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.05	0.03	0.00		0.00	0.00		0.00	0.00	0.00	3.88	3.88	0.00	0.00	3.90
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.01**	**0.05**	**0.03**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**3.88**	**3.88**	**0.00**	**0.00**	**3.90**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.30**	**0.30**	**0.00**	**0.00**	**0.30**

3.6 Paving - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.05	0.03	0.00		0.00	0.00		0.00	0.00	0.00	3.88	3.88	0.00	0.00	3.90
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.01**	**0.05**	**0.03**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**3.88**	**3.88**	**0.00**	**0.00**	**3.90**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.30**	**0.30**	**0.00**	**0.00**	**0.30**

3.7 Architectural Coating - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.19					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.64	0.64	0.00	0.00	0.64
Total	**0.19**	**0.01**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.64**	**0.64**	**0.00**	**0.00**	**0.64**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.00**	**0.07**

3.7 Architectural Coating - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.19					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.64	0.64	0.00	0.00	0.64
Total	**0.19**	**0.01**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.64**	**0.64**	**0.00**	**0.00**	**0.64**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.00**	**0.07**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.16	0.35	1.71	0.00	0.20	0.01	0.21	0.00	0.01	0.01	0.00	189.40	189.40	0.01	0.00	189.65
Unmitigated	0.16	0.35	1.71	0.00	0.20	0.01	0.21	0.00	0.01	0.01	0.00	189.40	189.40	0.01	0.00	189.65
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	131.80	143.20	121.40	376,737	376,737
Total	131.80	143.20	121.40	376,737	376,737

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	24.88	24.88	0.00	0.00	25.01
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	24.88	24.88	0.00	0.00	25.01
NaturalGas Mitigated	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	17.84	17.84	0.00	0.00	17.94
NaturalGas Unmitigated	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	17.84	17.84	0.00	0.00	17.94
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Low Rise	334222	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	17.84	17.84	0.00	0.00	17.94
Total		**0.00**	**0.02**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**17.84**	**17.84**	**0.00**	**0.00**	**17.94**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Low Rise	334222	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	17.84	17.84	0.00	0.00	17.94
Total		**0.00**	**0.02**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**17.84**	**17.84**	**0.00**	**0.00**	**17.94**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Low Rise	70253.2					24.88	0.00	0.00	25.01
Total						**24.88**	**0.00**	**0.00**	**25.01**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Low Rise	70253.2					24.88	0.00	0.00	25.01
Total						**24.88**	**0.00**	**0.00**	**25.01**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.37	0.02	1.70	0.00		0.00	0.22		0.00	0.22	20.66	26.24	46.90	0.02	0.00	47.91
Unmitigated	1.37	0.02	1.70	0.00		0.00	0.22		0.00	0.22	20.66	26.24	46.90	0.02	0.00	47.91
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.08					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.26	0.02	1.55	0.00		0.00	0.22		0.00	0.22	20.66	25.99	46.65	0.02	0.00	47.66
Landscaping	0.01	0.00	0.16	0.00		0.00	0.00		0.00	0.00	0.00	0.25	0.25	0.00	0.00	0.25
Total	**1.38**	**0.02**	**1.71**	**0.00**		**0.00**	**0.22**		**0.00**	**0.22**	**20.66**	**26.24**	**46.90**	**0.02**	**0.00**	**47.91**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.08					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.26	0.02	1.55	0.00		0.00	0.22		0.00	0.22	20.66	25.99	46.65	0.02	0.00	47.66
Landscaping	0.01	0.00	0.16	0.00		0.00	0.00		0.00	0.00	0.00	0.25	0.25	0.00	0.00	0.25
Total	**1.38**	**0.02**	**1.71**	**0.00**		**0.00**	**0.22**		**0.00**	**0.22**	**20.66**	**26.24**	**46.90**	**0.02**	**0.00**	**47.91**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					9.26	0.04	0.00	10.44
Unmitigated					9.26	0.04	0.00	10.44
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Low Rise	1.30308 / 0.821507					9.26	0.04	0.00	10.44
Total						**9.26**	**0.04**	**0.00**	**10.44**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Low Rise	1.30308 / 0.821507					9.26	0.04	0.00	10.44
Total						**9.26**	**0.04**	**0.00**	**10.44**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					1.87	0.11	0.00	4.19
Unmitigated					1.87	0.11	0.00	4.19
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Low Rise	9.2					1.87	0.11	0.00	4.19
Total						**1.87**	**0.11**	**0.00**	**4.19**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Low Rise	9.2					1.87	0.11	0.00	4.19
Total						**1.87**	**0.11**	**0.00**	**4.19**

9.0 Vegetation

3957.1 Otay Mesa CPU - Small Project Construction

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Low Rise	20	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Small sample project = 20 units on 1 acre

Demolition -

Architectural Coating - CalGreen VOC limit = 150 g/L

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	75.61	45.08	27.30	0.04	5.90	2.78	7.78	2.90	2.78	4.78	0.00	4,277.29	0.00	0.53	0.00	4,288.51
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	75.61	45.08	27.30	0.04	5.80	2.78	7.68	2.90	2.78	4.78	0.00	4,277.29	0.00	0.53	0.00	4,288.51
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Energy	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Mobile	0.97	2.14	10.26	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,311.76		0.08		1,313.35
Total	**12.19**	**2.43**	**27.64**	**0.02**	**1.35**	**0.08**	**3.72**	**0.02**	**0.07**	**2.38**	**257.61**	**1,655.44**		**0.60**	**0.02**	**1,931.52**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Energy	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Mobile	0.97	2.14	10.26	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,311.76		0.08		1,313.35
Total	**12.19**	**2.43**	**27.64**	**0.02**	**1.35**	**0.08**	**3.72**	**0.02**	**0.07**	**2.38**	**257.61**	**1,655.44**		**0.60**	**0.02**	**1,931.52**

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.50	0.00	0.50	0.00	0.00	0.00						0.00
Off-Road	5.76	43.43	25.53	0.04		2.72	2.72		2.72	2.72		3,946.48		0.52		3,957.35
Total	**5.76**	**43.43**	**25.53**	**0.04**	**0.50**	**2.72**	**3.22**	**0.00**	**2.72**	**2.72**		**3,946.48**		**0.52**		**3,957.35**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.13	1.54	0.73	0.00	0.54	0.06	0.60	0.00	0.05	0.06		188.89		0.01		189.02
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
Worker	0.09	0.10	1.05	0.00	0.17	0.01	0.18	0.00	0.01	0.01		141.92		0.01		142.13
Total	**0.22**	**1.64**	**1.78**	**0.00**	**0.71**	**0.07**	**0.78**	**0.00**	**0.06**	**0.07**		**330.81**		**0.02**		**331.15**

3.2 Demolition - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.50	0.00	0.50	0.00	0.00	0.00						0.00
Off-Road	5.76	43.43	25.53	0.04		2.72	2.72		2.72	2.72	0.00	3,946.48		0.52		3,957.35
Total	**5.76**	**43.43**	**25.53**	**0.04**	**0.50**	**2.72**	**3.22**	**0.00**	**2.72**	**2.72**	**0.00**	**3,946.48**		**0.52**		**3,957.35**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.13	1.54	0.73	0.00	0.01	0.06	0.06	0.00	0.05	0.06		188.89		0.01		189.02
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
Worker	0.09	0.10	1.05	0.00	0.01	0.01	0.01	0.00	0.01	0.01		141.92		0.01		142.13
Total	**0.22**	**1.64**	**1.78**	**0.00**	**0.02**	**0.07**	**0.07**	**0.00**	**0.06**	**0.07**		**330.81**		**0.02**		**331.15**

3.3 Site Preparation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.80	0.00	5.80	2.90	0.00	2.90						0.00
Off-Road	4.41	35.63	20.13	0.03		1.87	1.87		1.87	1.87		3,253.39		0.40		3,261.71
Total	**4.41**	**35.63**	**20.13**	**0.03**	**5.80**	**1.87**	**7.67**	**2.90**	**1.87**	**4.77**		**3,253.39**		**0.40**		**3,261.71**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.06	0.65	0.00	0.10	0.00	0.11	0.00	0.00	0.00		87.34		0.01		87.47
Total	**0.06**	**0.06**	**0.65**	**0.00**	**0.10**	**0.00**	**0.11**	**0.00**	**0.00**	**0.00**		**87.34**		**0.01**		**87.47**

3.3 Site Preparation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.80	0.00	5.80	2.90	0.00	2.90						0.00
Off-Road	4.41	35.63	20.13	0.03		1.87	1.87		1.87	1.87	0.00	3,253.39		0.40		3,261.71
Total	**4.41**	**35.63**	**20.13**	**0.03**	**5.80**	**1.87**	**7.67**	**2.90**	**1.87**	**4.77**	**0.00**	**3,253.39**		**0.40**		**3,261.71**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.06	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00		87.34		0.01		87.47
Total	**0.06**	**0.06**	**0.65**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**		**87.34**		**0.01**		**87.47**

3.4 Grading - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.91	0.00	4.91	2.48	0.00	2.48						0.00
Off-Road	3.65	29.52	16.68	0.03		1.55	1.55		1.55	1.55		2,689.97		0.33		2,696.86
Total	**3.65**	**29.52**	**16.68**	**0.03**	**4.91**	**1.55**	**6.46**	**2.48**	**1.55**	**4.03**		**2,689.97**		**0.33**		**2,696.86**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.06	0.65	0.00	0.10	0.00	0.11	0.00	0.00	0.00		87.34		0.01		87.47
Total	**0.06**	**0.06**	**0.65**	**0.00**	**0.10**	**0.00**	**0.11**	**0.00**	**0.00**	**0.00**		**87.34**		**0.01**		**87.47**

3.4 Grading - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.91	0.00	4.91	2.48	0.00	2.48						0.00
Off-Road	3.65	29.52	16.68	0.03		1.55	1.55		1.55	1.55	0.00	2,689.97		0.33		2,696.86
Total	**3.65**	**29.52**	**16.68**	**0.03**	**4.91**	**1.55**	**6.46**	**2.48**	**1.55**	**4.03**	**0.00**	**2,689.97**		**0.33**		**2,696.86**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.06	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00		87.34		0.01		87.47
Total	**0.06**	**0.06**	**0.65**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**		**87.34**		**0.01**		**87.47**

3.5 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.35	26.32	17.07	0.03		1.92	1.92		1.92	1.92		2,561.58		0.48		2,571.67
Total	**5.35**	**26.32**	**17.07**	**0.03**		**1.92**	**1.92**		**1.92**	**1.92**		**2,561.58**		**0.48**		**2,571.67**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.03	0.40	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.33		0.00		54.37
Worker	0.10	0.11	1.13	0.00	0.18	0.01	0.19	0.00	0.01	0.01		152.84		0.01		153.07
Total	**0.13**	**0.51**	**1.36**	**0.00**	**0.20**	**0.02**	**0.22**	**0.00**	**0.02**	**0.02**		**207.17**		**0.01**		**207.44**

3.5 Building Construction - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.35	26.32	17.07	0.03		1.92	1.92		1.92	1.92	0.00	2,561.58		0.48		2,571.67
Total	**5.35**	**26.32**	**17.07**	**0.03**		**1.92**	**1.92**		**1.92**	**1.92**	**0.00**	**2,561.58**		**0.48**		**2,571.67**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.03	0.40	0.23	0.00	0.00	0.01	0.01	0.00	0.01	0.01		54.33		0.00		54.37
Worker	0.10	0.11	1.13	0.00	0.01	0.01	0.01	0.00	0.01	0.01		152.84		0.01		153.07
Total	**0.13**	**0.51**	**1.36**	**0.00**	**0.01**	**0.02**	**0.02**	**0.00**	**0.02**	**0.02**		**207.17**		**0.01**		**207.44**

3.6 Paving - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.39	20.73	12.30	0.02		1.83	1.83		1.83	1.83		1,712.73		0.30		1,719.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.39**	**20.73**	**12.30**	**0.02**		**1.83**	**1.83**		**1.83**	**1.83**		**1,712.73**		**0.30**		**1,719.12**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.09	0.10	1.05	0.00	0.17	0.01	0.18	0.00	0.01	0.01		141.92		0.01		142.13
Total	**0.09**	**0.10**	**1.05**	**0.00**	**0.17**	**0.01**	**0.18**	**0.00**	**0.01**	**0.01**		**141.92**		**0.01**		**142.13**

3.6 Paving - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.39	20.73	12.30	0.02		1.83	1.83		1.83	1.83	0.00	1,712.73		0.30		1,719.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.39**	**20.73**	**12.30**	**0.02**		**1.83**	**1.83**		**1.83**	**1.83**	**0.00**	**1,712.73**		**0.30**		**1,719.12**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.09	0.10	1.05	0.00	0.01	0.01	0.01	0.00	0.01	0.01		141.92		0.01		142.13
Total	**0.09**	**0.10**	**1.05**	**0.00**	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**		**141.92**		**0.01**		**142.13**

3.7 Architectural Coating - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.02					0.00	0.00		0.00	0.00						0.00
Off-Road	0.56	3.37	1.98	0.00		0.31	0.31		0.31	0.31		281.19		0.05		282.25
Total	**75.58**	**3.37**	**1.98**	**0.00**		**0.31**	**0.31**		**0.31**	**0.31**		**281.19**		**0.05**		**282.25**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.02	0.02	0.24	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.75		0.00		32.80
Total	**0.02**	**0.02**	**0.24**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.75**		**0.00**		**32.80**

3.7 Architectural Coating - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.02					0.00	0.00		0.00	0.00						0.00
Off-Road	0.56	3.37	1.98	0.00		0.31	0.31		0.31	0.31	0.00	281.19		0.05		282.25
Total	**75.58**	**3.37**	**1.98**	**0.00**		**0.31**	**0.31**		**0.31**	**0.31**	**0.00**	**281.19**		**0.05**		**282.25**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.02	0.02	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00		32.75		0.00		32.80
Total	**0.02**	**0.02**	**0.24**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		**32.75**		**0.00**		**32.80**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.97	2.14	10.26	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,311.76		0.08		1,313.35
Unmitigated	0.97	2.14	10.26	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,311.76		0.08		1,313.35
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	131.80	143.20	121.40	376,737	376,737
Total	131.80	143.20	121.40	376,737	376,737

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
NaturalGas Unmitigated	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	915.678	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Total		**0.01**	**0.08**	**0.04**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**107.73**		**0.00**	**0.00**	**108.38**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	0.915678	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Total		**0.01**	**0.08**	**0.04**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**107.73**		**0.00**	**0.00**	**108.38**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Unmitigated	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.43					0.00	0.00		0.00	0.00						0.00
Hearth	10.55	0.19	15.58	0.01		0.00	2.27		0.00	2.27	257.61	232.94		0.51	0.02	506.71
Landscaping	0.06	0.02	1.76	0.00		0.00	0.01		0.00	0.01		3.01		0.00		3.08
Total	**11.21**	**0.21**	**17.34**	**0.01**		**0.00**	**2.28**		**0.00**	**2.28**	**257.61**	**235.95**		**0.51**	**0.02**	**509.79**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.43					0.00	0.00		0.00	0.00						0.00
Hearth	10.55	0.19	15.58	0.01		0.00	2.27		0.00	2.27	257.61	232.94		0.51	0.02	506.71
Landscaping	0.06	0.02	1.76	0.00		0.00	0.01		0.00	0.01		3.01		0.00		3.08
Total	**11.21**	**0.21**	**17.34**	**0.01**		**0.00**	**2.28**		**0.00**	**2.28**	**257.61**	**235.95**		**0.51**	**0.02**	**509.79**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

3957.1 Otay Mesa CPU - Small Project Construction

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Low Rise	20	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Small sample project = 20 units on 1 acre

Demolition -

Architectural Coating - CalGreen VOC limit = 150 g/L

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	75.61	45.13	27.30	0.04	5.90	2.78	7.78	2.90	2.78	4.78	0.00	4,265.51	0.00	0.53	0.00	4,276.72
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	75.61	45.13	27.30	0.04	5.80	2.78	7.68	2.90	2.78	4.78	0.00	4,265.51	0.00	0.53	0.00	4,276.72
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Energy	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Mobile	1.05	2.26	10.11	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,227.06		0.08		1,228.68
Total	**12.27**	**2.55**	**27.49**	**0.02**	**1.35**	**0.08**	**3.72**	**0.02**	**0.07**	**2.38**	**257.61**	**1,570.74**		**0.60**	**0.02**	**1,846.85**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Energy	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Mobile	1.05	2.26	10.11	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,227.06		0.08		1,228.68
Total	**12.27**	**2.55**	**27.49**	**0.02**	**1.35**	**0.08**	**3.72**	**0.02**	**0.07**	**2.38**	**257.61**	**1,570.74**		**0.60**	**0.02**	**1,846.85**

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.50	0.00	0.50	0.00	0.00	0.00						0.00
Off-Road	5.76	43.43	25.53	0.04		2.72	2.72		2.72	2.72		3,946.48		0.52		3,957.35
Total	**5.76**	**43.43**	**25.53**	**0.04**	**0.50**	**2.72**	**3.22**	**0.00**	**2.72**	**2.72**		**3,946.48**		**0.52**		**3,957.35**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.13	1.58	0.78	0.00	0.54	0.06	0.60	0.00	0.05	0.06		187.94		0.01		188.07
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
Worker	0.10	0.11	1.00	0.00	0.17	0.01	0.18	0.00	0.01	0.01		131.10		0.01		131.30
Total	**0.23**	**1.69**	**1.78**	**0.00**	**0.71**	**0.07**	**0.78**	**0.00**	**0.06**	**0.07**		**319.04**		**0.02**		**319.37**

3.2 Demolition - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.50	0.00	0.50	0.00	0.00	0.00						0.00
Off-Road	5.76	43.43	25.53	0.04		2.72	2.72		2.72	2.72	0.00	3,946.48		0.52		3,957.35
Total	**5.76**	**43.43**	**25.53**	**0.04**	**0.50**	**2.72**	**3.22**	**0.00**	**2.72**	**2.72**	**0.00**	**3,946.48**		**0.52**		**3,957.35**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.13	1.58	0.78	0.00	0.01	0.06	0.07	0.00	0.05	0.06		187.94		0.01		188.07
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
Worker	0.10	0.11	1.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01		131.10		0.01		131.30
Total	**0.23**	**1.69**	**1.78**	**0.00**	**0.02**	**0.07**	**0.08**	**0.00**	**0.06**	**0.07**		**319.04**		**0.02**		**319.37**

3.3 Site Preparation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.80	0.00	5.80	2.90	0.00	2.90						0.00
Off-Road	4.41	35.63	20.13	0.03		1.87	1.87		1.87	1.87		3,253.39		0.40		3,261.71
Total	**4.41**	**35.63**	**20.13**	**0.03**	**5.80**	**1.87**	**7.67**	**2.90**	**1.87**	**4.77**		**3,253.39**		**0.40**		**3,261.71**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.07	0.61	0.00	0.10	0.00	0.11	0.00	0.00	0.00		80.67		0.01		80.80
Total	**0.06**	**0.07**	**0.61**	**0.00**	**0.10**	**0.00**	**0.11**	**0.00**	**0.00**	**0.00**		**80.67**		**0.01**		**80.80**

3.3 Site Preparation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.80	0.00	5.80	2.90	0.00	2.90						0.00
Off-Road	4.41	35.63	20.13	0.03		1.87	1.87		1.87	1.87	0.00	3,253.39		0.40		3,261.71
Total	**4.41**	**35.63**	**20.13**	**0.03**	**5.80**	**1.87**	**7.67**	**2.90**	**1.87**	**4.77**	**0.00**	**3,253.39**		**0.40**		**3,261.71**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.07	0.61	0.00	0.00	0.00	0.01	0.00	0.00	0.00		80.67		0.01		80.80
Total	**0.06**	**0.07**	**0.61**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**		**80.67**		**0.01**		**80.80**

3.4 Grading - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.91	0.00	4.91	2.48	0.00	2.48						0.00
Off-Road	3.65	29.52	16.68	0.03		1.55	1.55		1.55	1.55		2,689.97		0.33		2,696.86
Total	**3.65**	**29.52**	**16.68**	**0.03**	**4.91**	**1.55**	**6.46**	**2.48**	**1.55**	**4.03**		**2,689.97**		**0.33**		**2,696.86**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.07	0.61	0.00	0.10	0.00	0.11	0.00	0.00	0.00		80.67		0.01		80.80
Total	**0.06**	**0.07**	**0.61**	**0.00**	**0.10**	**0.00**	**0.11**	**0.00**	**0.00**	**0.00**		**80.67**		**0.01**		**80.80**

3.4 Grading - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.91	0.00	4.91	2.48	0.00	2.48						0.00
Off-Road	3.65	29.52	16.68	0.03		1.55	1.55		1.55	1.55	0.00	2,689.97		0.33		2,696.86
Total	**3.65**	**29.52**	**16.68**	**0.03**	**4.91**	**1.55**	**6.46**	**2.48**	**1.55**	**4.03**	**0.00**	**2,689.97**		**0.33**		**2,696.86**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.06	0.07	0.61	0.00	0.00	0.00	0.01	0.00	0.00	0.00		80.67		0.01		80.80
Total	**0.06**	**0.07**	**0.61**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**		**80.67**		**0.01**		**80.80**

3.5 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.35	26.32	17.07	0.03		1.92	1.92		1.92	1.92		2,561.58		0.48		2,571.67
Total	**5.35**	**26.32**	**17.07**	**0.03**		**1.92**	**1.92**		**1.92**	**1.92**		**2,561.58**		**0.48**		**2,571.67**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.04	0.41	0.26	0.00	0.02	0.01	0.03	0.00	0.01	0.01		53.92		0.00		53.95
Worker	0.11	0.12	1.08	0.00	0.18	0.01	0.19	0.00	0.01	0.01		141.18		0.01		141.40
Total	**0.15**	**0.53**	**1.34**	**0.00**	**0.20**	**0.02**	**0.22**	**0.00**	**0.02**	**0.02**		**195.10**		**0.01**		**195.35**

3.5 Building Construction - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.35	26.32	17.07	0.03		1.92	1.92		1.92	1.92	0.00	2,561.58		0.48		2,571.67
Total	**5.35**	**26.32**	**17.07**	**0.03**		**1.92**	**1.92**		**1.92**	**1.92**	**0.00**	**2,561.58**		**0.48**		**2,571.67**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.04	0.41	0.26	0.00	0.00	0.01	0.01	0.00	0.01	0.01		53.92		0.00		53.95
Worker	0.11	0.12	1.08	0.00	0.01	0.01	0.01	0.00	0.01	0.01		141.18		0.01		141.40
Total	**0.15**	**0.53**	**1.34**	**0.00**	**0.01**	**0.02**	**0.02**	**0.00**	**0.02**	**0.02**		**195.10**		**0.01**		**195.35**

3.6 Paving - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.39	20.73	12.30	0.02		1.83	1.83		1.83	1.83		1,712.73		0.30		1,719.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.39**	**20.73**	**12.30**	**0.02**		**1.83**	**1.83**		**1.83**	**1.83**		**1,712.73**		**0.30**		**1,719.12**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.10	0.11	1.00	0.00	0.17	0.01	0.18	0.00	0.01	0.01		131.10		0.01		131.30
Total	**0.10**	**0.11**	**1.00**	**0.00**	**0.17**	**0.01**	**0.18**	**0.00**	**0.01**	**0.01**		**131.10**		**0.01**		**131.30**

3.6 Paving - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.39	20.73	12.30	0.02		1.83	1.83		1.83	1.83	0.00	1,712.73		0.30		1,719.12
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**3.39**	**20.73**	**12.30**	**0.02**		**1.83**	**1.83**		**1.83**	**1.83**	**0.00**	**1,712.73**		**0.30**		**1,719.12**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.10	0.11	1.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01		131.10		0.01		131.30
Total	**0.10**	**0.11**	**1.00**	**0.00**	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**		**131.10**		**0.01**		**131.30**

3.7 Architectural Coating - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.02					0.00	0.00		0.00	0.00						0.00
Off-Road	0.56	3.37	1.98	0.00		0.31	0.31		0.31	0.31		281.19		0.05		282.25
Total	**75.58**	**3.37**	**1.98**	**0.00**		**0.31**	**0.31**		**0.31**	**0.31**		**281.19**		**0.05**		**282.25**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.02	0.03	0.23	0.00	0.04	0.00	0.04	0.00	0.00	0.00		30.25		0.00		30.30
Total	**0.02**	**0.03**	**0.23**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**30.25**		**0.00**		**30.30**

3.7 Architectural Coating - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.02					0.00	0.00		0.00	0.00						0.00
Off-Road	0.56	3.37	1.98	0.00		0.31	0.31		0.31	0.31	0.00	281.19		0.05		282.25
Total	**75.58**	**3.37**	**1.98**	**0.00**		**0.31**	**0.31**		**0.31**	**0.31**	**0.00**	**281.19**		**0.05**		**282.25**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.02	0.03	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00		30.25		0.00		30.30
Total	**0.02**	**0.03**	**0.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		**30.25**		**0.00**		**30.30**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.05	2.26	10.11	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,227.06		0.08		1,228.68
Unmitigated	1.05	2.26	10.11	0.01	1.35	0.08	1.43	0.02	0.07	0.09		1,227.06		0.08		1,228.68
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	131.80	143.20	121.40	376,737	376,737
Total	131.80	143.20	121.40	376,737	376,737

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
NaturalGas Unmitigated	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	915.678	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Total		**0.01**	**0.08**	**0.04**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**107.73**		**0.00**	**0.00**	**108.38**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	0.915678	0.01	0.08	0.04	0.00		0.00	0.01		0.00	0.01		107.73		0.00	0.00	108.38
Total		**0.01**	**0.08**	**0.04**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**107.73**		**0.00**	**0.00**	**108.38**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Unmitigated	11.21	0.21	17.34	0.01		0.00	2.28		0.00	2.28	257.61	235.95		0.52	0.02	509.79
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.43					0.00	0.00		0.00	0.00						0.00
Hearth	10.55	0.19	15.58	0.01		0.00	2.27		0.00	2.27	257.61	232.94		0.51	0.02	506.71
Landscaping	0.06	0.02	1.76	0.00		0.00	0.01		0.00	0.01		3.01		0.00		3.08
Total	**11.21**	**0.21**	**17.34**	**0.01**		**0.00**	**2.28**		**0.00**	**2.28**	**257.61**	**235.95**		**0.51**	**0.02**	**509.79**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.43					0.00	0.00		0.00	0.00						0.00
Hearth	10.55	0.19	15.58	0.01		0.00	2.27		0.00	2.27	257.61	232.94		0.51	0.02	506.71
Landscaping	0.06	0.02	1.76	0.00		0.00	0.01		0.00	0.01		3.01		0.00		3.08
Total	**11.21**	**0.21**	**17.34**	**0.01**		**0.00**	**2.28**		**0.00**	**2.28**	**257.61**	**235.95**		**0.51**	**0.02**	**509.79**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

3957.1 OMCPU Adopted Plan 2030

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Government Office Building	13420.84	1000sqft
General Light Industry	61833.42	1000sqft
City Park	64	Acre
Apartments Mid Rise	7600	Dwelling Unit
Single Family Housing	4800	Dwelling Unit
Strip Mall	5906.74	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			
			40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Source: OMCPU 2011

Construction Phase - construction calculated separately

Architectural Coating -

Vehicle Trips - Source: OMCPU Traffic Report

Woodstoves -

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Area Coating -

Energy Mitigation -

Water Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	8.55	50.80	78.39	0.12	9.07	1.89	10.96	0.17	1.74	1.91	0.00	11,669.33	11,669.33	0.62	0.00	11,682.38
Total	**8.55**	**50.80**	**78.39**	**0.12**	**9.07**	**1.89**	**10.96**	**0.17**	**1.74**	**1.91**	**0.00**	**11,669.33**	**11,669.33**	**0.62**	**0.00**	**11,682.38**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	8.55	50.80	78.39	0.12	0.47	1.89	2.36	0.17	1.74	1.91	0.00	11,669.33	11,669.33	0.62	0.00	11,682.38
Total	**8.55**	**50.80**	**78.39**	**0.12**	**0.47**	**1.89**	**2.36**	**0.17**	**1.74**	**1.91**	**0.00**	**11,669.33**	**11,669.33**	**0.62**	**0.00**	**11,682.38**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1,281.66	11.62	1,051.35	0.38		0.00	135.92		0.00	135.91	12,808.68	16,267.42	29,076.10	12.17	1.20	29,705.07

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Energy	6.94	62.36	47.36	0.38		0.00	4.80		0.00	4.80	0.00	386,726.14	386,726.14	13.13	5.74	388,781.26
Mobile	557.43	995.75	4,633.18	13.89	1,406.03	72.22	1,478.25	22.40	69.63	92.02	0.00	960,409.86	960,409.86	35.89	0.00	961,163.64
Waste						0.00	0.00		0.00	0.00	735,882.71	0.00	735,882.71	43,489.42	0.00	#########
Water						0.00	0.00		0.00	0.00	0.00	#########	#########	9,452.91	253.26	#########
Total	**1,846.03**	**1,069.73**	**5,731.89**	**14.65**	**1,406.03**	**72.22**	**1,618.97**	**22.40**	**69.63**	**232.73**	**748,691.39**	#########	#########	**53,003.52**	**260.20**	#########

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1,281.66	11.62	1,051.35	0.38		0.00	135.92		0.00	135.91	12,808.68	16,267.42	29,076.10	12.17	1.20	29,705.07
Energy	6.35	57.07	43.54	0.35		0.00	4.39		0.00	4.39	0.00	353,511.72	353,511.72	12.00	5.25	355,390.36
Mobile	557.43	995.75	4,633.18	13.89	1,406.03	72.22	1,478.25	22.40	69.63	92.02	0.00	960,409.86	960,409.86	35.89	0.00	961,163.64
Waste						0.00	0.00		0.00	0.00	735,882.71	0.00	735,882.71	43,489.42	0.00	#########
Water						0.00	0.00		0.00	0.00	0.00	#########	#########	7,562.33	202.61	#########
Total	**1,845.44**	**1,064.44**	**5,728.07**	**14.62**	**1,406.03**	**72.22**	**1,618.56**	**22.40**	**69.63**	**232.32**	**748,691.39**	#########	#########	**51,111.81**	**209.06**	#########

3.0 Construction Detail

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3.1 Mitigation Measures Construction

3.2 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.10	0.64	0.38	0.00		0.04	0.04		0.04	0.04	0.00	58.63	58.63	0.01	0.00	58.80
Total	**0.10**	**0.64**	**0.38**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**58.63**	**58.63**	**0.01**	**0.00**	**58.80**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	4.13	45.16	28.99	0.06	1.89	1.56	3.46	0.05	1.44	1.49	0.00	5,749.61	5,749.61	0.19	0.00	5,753.50
Worker	4.33	5.00	49.01	0.06	7.18	0.28	7.46	0.11	0.26	0.37	0.00	5,861.09	5,861.09	0.43	0.00	5,870.08
Total	**8.46**	**50.16**	**78.00**	**0.12**	**9.07**	**1.84**	**10.92**	**0.16**	**1.70**	**1.86**	**0.00**	**11,610.70**	**11,610.70**	**0.62**	**0.00**	**11,623.58**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.10	0.64	0.38	0.00		0.04	0.04		0.04	0.04	0.00	58.63	58.63	0.01	0.00	58.80

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Total	**0.10**	**0.64**	**0.38**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**58.63**	**58.63**	**0.01**	**0.00**	**58.80**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	4.13	45.16	28.99	0.06	0.17	1.56	1.73	0.05	1.44	1.49	0.00	5,749.61	5,749.61	0.19	0.00	5,753.50
Worker	4.33	5.00	49.01	0.06	0.31	0.28	0.59	0.11	0.26	0.37	0.00	5,861.09	5,861.09	0.43	0.00	5,870.08
Total	**8.46**	**50.16**	**78.00**	**0.12**	**0.48**	**1.84**	**2.32**	**0.16**	**1.70**	**1.86**	**0.00**	**11,610.70**	**11,610.70**	**0.62**	**0.00**	**11,623.58**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	557.43	995.75	4,633.18	13.89	1,406.03	72.22	1,478.25	22.40	69.63	92.02	0.00	960,409.86	960,409.86	35.89	0.00	961,163.64
Unmitigated	557.43	995.75	4,633.18	13.89	1,406.03	72.22	1,478.25	22.40	69.63	92.02	0.00	960,409.86	960,409.86	35.89	0.00	961,163.64
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	60,800.00	60,800.00	60800.00	173,602,444	173,602,444
City Park	2,216.96	2,216.96	2216.96	4,732,883	4,732,883
General Light Industry	531,149.08	531,149.08	531149.08	1,550,695,650	1,550,695,650
Government Office Building	54,622.82	54,622.82	54622.82	93,671,604	93,671,604
Single Family Housing	42,192.00	42,192.00	42192.00	120,470,959	120,470,959
Strip Mall	475,197.23	475,197.23	475197.23	731,819,439	731,819,439
Total	1,166,178.09	1,166,178.09	1,166,178.09	2,674,992,979	2,674,992,979

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	290,650.38	290,650.38	10.80	4.09	292,146.46
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	317,996.22	317,996.22	11.81	4.48	319,633.06
NaturalGas Mitigated	6.35	57.07	43.54	0.35		0.00	4.39		0.00	4.39	0.00	62,861.33	62,861.33	1.20	1.15	63,243.90
NaturalGas Unmitigated	6.94	62.36	47.36	0.38		0.00	4.80		0.00	4.80	0.00	68,729.92	68,729.92	1.32	1.26	69,148.20
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	8.01032e+007	0.43	3.69	1.57	0.02		0.00	0.30		0.00	0.30	0.00	4,274.61	4,274.61	0.08	0.08	4,300.63
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	7.29016e+008	3.93	35.74	30.02	0.21		0.00	2.72		0.00	2.72	0.00	38,903.07	38,903.07	0.75	0.71	39,139.83
Government Office Building	2.8224e+008	1.52	13.84	11.62	0.08		0.00	1.05		0.00	1.05	0.00	15,061.42	15,061.42	0.29	0.28	15,153.08
Single Family Housing	1.83064e+008	0.99	8.44	3.59	0.05		0.00	0.68		0.00	0.68	0.00	9,769.00	9,769.00	0.19	0.18	9,828.45
Strip Mall	1.35264e+007	0.07	0.66	0.56	0.00		0.00	0.05		0.00	0.05	0.00	721.82	721.82	0.01	0.01	726.21
Total		**6.94**	**62.37**	**47.36**	**0.36**		**0.00**	**4.80**		**0.00**	**4.80**	**0.00**	**68,729.92**	**68,729.92**	**1.32**	**1.26**	**69,148.20**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					

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Apartments Mid Rise	7.03532e+007	0.38	3.24	1.38	0.02		0.00	0.26		0.00	0.26	0.00	3,754.31	3,754.31	0.07	0.07	3,777.16
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	6.86907e+008	3.70	33.67	28.28	0.20		0.00	2.56		0.00	2.56	0.00	36,656.00	36,656.00	0.70	0.67	36,879.08
Government Office Building	2.48359e+008	1.34	12.17	10.23	0.07		0.00	0.93		0.00	0.93	0.00	13,253.40	13,253.40	0.25	0.24	13,334.06
Single Family Housing	1.59894e+008	0.86	7.37	3.14	0.05		0.00	0.60		0.00	0.60	0.00	8,532.54	8,532.54	0.16	0.16	8,584.46
Strip Mall	1.24632e+007	0.07	0.61	0.51	0.00		0.00	0.05		0.00	0.05	0.00	665.08	665.08	0.01	0.01	669.13
Total		**6.35**	**57.06**	**43.54**	**0.34**		**0.00**	**4.40**		**0.00**	**4.40**	**0.00**	**62,861.33**	**62,861.33**	**1.19**	**1.15**	**63,243.89**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	2.65028e+007					9,386.24	0.35	0.13	9,434.55
City Park	0					0.00	0.00	0.00	0.00
General Light Industry	5.56501e+008					197,090.53	7.32	2.78	198,105.03
Government Office Building	2.01178e+008					71,249.42	2.65	1.00	71,616.16
Single Family Housing	3.0775e+007					10,899.29	0.40	0.15	10,955.39
Strip Mall	8.29306e+007					29,370.74	1.09	0.41	29,521.93
Total						**317,996.22**	**11.81**	**4.47**	**319,633.06**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	2.43651e+007					8,629.17	0.32	0.12	8,673.59
City Park	0					0.00	0.00	0.00	0.00

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General Light Industry	5.1263e+008					181,553.23	6.74	2.56	182,487.75
Government Office Building	1.81007e+008					64,105.46	2.38	0.90	64,435.44
Single Family Housing	2.93816e+007					10,405.81	0.39	0.15	10,459.38
Strip Mall	7.32908e+007					25,956.71	0.96	0.37	26,090.32
Total						**290,650.38**	**10.79**	**4.10**	**292,146.48**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1,281.66	11.62	1,051.35	0.38		0.00	135.92		0.00	135.91	12,808.68	16,267.42	29,076.10	12.17	1.20	29,705.07
Unmitigated	1,281.66	11.62	1,051.35	0.38		0.00	135.92		0.00	135.91	12,808.68	16,267.42	29,076.10	12.17	1.20	29,705.07
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	119.35					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	380.40					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	779.14	10.56	958.54	0.37		0.00	135.41		0.00	135.40	12,808.68	16,115.32	28,923.99	12.03	1.20	29,549.92

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Landscaping	2.77	1.07	92.81	0.00		0.00	0.51		0.00	0.51	0.00	152.11	152.11	0.14	0.00	155.14
Total	**1,281.66**	**11.63**	**1,051.35**	**0.37**		**0.00**	**135.92**		**0.00**	**135.91**	**12,808.68**	**16,267.43**	**29,076.10**	**12.17**	**1.20**	**29,705.06**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	119.35					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	380.40					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	779.14	10.56	958.54	0.37		0.00	135.41		0.00	135.40	12,808.68	16,115.32	28,923.99	12.03	1.20	29,549.92
Landscaping	2.77	1.07	92.81	0.00		0.00	0.51		0.00	0.51	0.00	152.11	152.11	0.14	0.00	155.14
Total	**1,281.66**	**11.63**	**1,051.35**	**0.37**		**0.00**	**135.92**		**0.00**	**135.91**	**12,808.68**	**16,267.43**	**29,076.10**	**12.17**	**1.20**	**29,705.06**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					#########	7,562.33	202.61	#########
Unmitigated					#########	9,452.91	253.26	#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

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Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	495.171 / 312.173					3,517.36	15.25	0.42	3,969.05
City Park	0 / 76.2548					300.04	0.01	0.00	301.59
General Light Industry	304031 / 0					#########	9,332.47	249.90	#########
Government Office Building	2666.17 / 1634.11					18,754.76	82.08	2.28	21,185.87
Single Family Housing	312.739 / 197.162					2,221.49	9.63	0.27	2,506.77
Strip Mall	437.527 / 268.162					3,077.72	13.47	0.37	3,476.67
Total						**1,433,327.38**	**9,452.91**	**253.24**	**1,710,348.14**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	396.136 / 249.738					2,813.89	12.20	0.34	3,175.24
City Park	0 / 61.0038					240.03	0.01	0.00	241.27
General Light Industry	243225 / 0					#########	7,465.98	199.92	#########
Government Office Building	2132.94 / 1307.28					15,003.81	65.66	1.83	16,948.70
Single Family Housing	250.191 / 157.729					1,777.19	7.70	0.21	2,005.41
Strip Mall	350.022 / 214.529					2,462.17	10.78	0.30	2,781.33
Total						**1,146,661.90**	**7,562.33**	**202.60**	**1,368,278.50**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					735,882.71	43,489.42	0.00	#########
Unmitigated					735,882.71	43,489.42	0.00	#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	3496					709.66	41.94	0.00	1,590.39
City Park	5.5					1.12	0.07	0.00	2.50
General Light Industry	3.59739e+006					730,236.84	43,155.76	0.00	#########
Government Office Building	12481.3					2,533.60	149.73	0.00	5,677.96
Single Family Housing	5628.48					1,142.53	67.52	0.00	2,560.48
Strip Mall	6202.08					1,258.97	74.40	0.00	2,821.42
Total						**735,882.72**	**43,489.42**	**0.00**	**1,649,160.58**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e

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Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	3496					709.66	41.94	0.00	1,590.39
City Park	5.5					1.12	0.07	0.00	2.50
General Light Industry	3.59739e+006					730,236.84	43,155.76	0.00	#########
Government Office Building	12481.3					2,533.60	149.73	0.00	5,677.96
Single Family Housing	5628.48					1,142.53	67.52	0.00	2,560.48
Strip Mall	6202.08					1,258.97	74.40	0.00	2,821.42
Total						**735,882.72**	**43,489.42**	**0.00**	**1,649,160.58**

9.0 Vegetation

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3957.1 OMCPU Adopted Plan 2030

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Government Office Building	13420.84	1000sqft
General Light Industry	61833.42	1000sqft
City Park	64	Acre
Apartments Mid Rise	7600	Dwelling Unit
Single Family Housing	4800	Dwelling Unit
Strip Mall	5906.74	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			
			40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Source: OMCPU 2011

Construction Phase - construction calculated separately

Architectural Coating -

Vehicle Trips - Source: OMCPU Traffic Report

Woodstoves -

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Area Coating -

Energy Mitigation -

Water Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	528.47	3,270.30	4,880.53	8.02	648.22	117.05	765.27	10.36	108.04	118.40	0.00	831,062.92	0.00	43.21	0.00	831,970.23
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	528.47	3,270.30	4,880.53	8.02	29.52	117.05	146.57	10.36	108.04	118.40	0.00	831,062.92	0.00	43.21	0.00	831,970.23
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68

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Energy	38.05	341.70	259.49	2.08		0.00	26.29		0.00	26.29		415,132.99		7.96	7.61	417,659.42
Mobile	3,144.95	5,604.97	25,555.19	81.00	8,849.85	396.48	9,246.33	123.09	381.82	504.90		#########		230.60		#########
Total	**12,492.10**	**6,074.79**	**36,505.65**	**92.27**	**8,849.85**	**396.48**	**10,683.61**	**123.09**	**381.82**	**1,942.08**	**159,715.52**	#########		**558.13**	**18.40**	#########

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68
Energy	34.80	312.69	238.57	1.90		0.00	24.05		0.00	24.05		379,686.35		7.28	6.96	381,997.06
Mobile	3,144.95	5,604.97	25,555.19	81.00	8,849.85	396.48	9,246.33	123.09	381.82	504.90		#########		230.60		#########
Total	**12,488.85**	**6,045.78**	**36,484.73**	**92.09**	**8,849.85**	**396.48**	**10,681.37**	**123.09**	**381.82**	**1,939.84**	**159,715.52**	#########		**557.45**	**17.75**	#########

3.0 Construction Detail

3.1 Mitigation Measures Construction

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3.2 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80		4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**		**4,040.62**		**0.55**		**4,052.11**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	249.99	2,914.38	1,681.40	3.79	134.56	96.84	231.40	3.43	89.11	92.54		397,373.48		12.35		397,632.79
Worker	272.36	315.70	3,175.10	4.19	513.66	17.41	531.08	6.93	16.13	23.06		429,648.82		30.31		430,285.33
Total	**522.35**	**3,230.08**	**4,856.50**	**7.98**	**648.22**	**114.25**	**762.48**	**10.36**	**105.24**	**115.60**		**827,022.30**		**42.66**		**827,918.12**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80	0.00	4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**	**0.00**	**4,040.62**		**0.55**		**4,052.11**

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	249.99	2,914.38	1,681.40	3.79	10.33	96.84	107.17	3.43	89.11	92.54		397,373.48		12.35		397,632.79
Worker	272.36	315.70	3,175.10	4.19	19.19	17.41	36.60	6.93	16.13	23.06		429,648.82		30.31		430,285.33
Total	**522.35**	**3,230.08**	**4,856.50**	**7.98**	**29.52**	**114.25**	**143.77**	**10.36**	**105.24**	**115.60**		**827,022.30**		**42.66**		**827,918.12**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3,144.95	5,604.97	25,555.19	81.00	8,849.85	396.48	9,246.33	123.09	381.82	504.90		#########		230.60		#########
Unmitigated	3,144.95	5,604.97	25,555.19	81.00	8,849.85	396.48	9,246.33	123.09	381.82	504.90		#########		230.60		#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated

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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	60,800.00	60,800.00	60800.00	173,602,444	173,602,444
City Park	2,216.96	2,216.96	2216.96	4,732,883	4,732,883
General Light Industry	531,149.08	531,149.08	531149.08	1,550,695,650	1,550,695,650
Government Office Building	54,622.82	54,622.82	54622.82	93,671,604	93,671,604
Single Family Housing	42,192.00	42,192.00	42192.00	120,470,959	120,470,959
Strip Mall	475,197.23	475,197.23	475197.23	731,819,439	731,819,439
Total	1,166,178.09	1,166,178.09	1,166,178.09	2,674,992,979	2,674,992,979

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

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NaturalGas Mitigated	34.80	312.69	238.57	1.90		0.00	24.05		0.00	24.05		379,686.35		7.28	6.96	381,997.06
NaturalGas Unmitigated	38.05	341.70	259.49	2.08		0.00	26.29		0.00	26.29		415,132.99		7.96	7.61	417,659.42
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	219461	2.37	20.22	8.61	0.13		0.00	1.64		0.00	1.64		25,818.93		0.49	0.47	25,976.06
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1.9973e+006	21.54	195.81	164.48	1.17		0.00	14.88		0.00	14.88		234,976.96		4.50	4.31	236,406.99
Government Office Building	773261	8.34	75.81	63.68	0.45		0.00	5.76		0.00	5.76		90,971.88		1.74	1.67	91,525.52
Single Family Housing	501546	5.41	46.22	19.67	0.30		0.00	3.74		0.00	3.74		59,005.36		1.13	1.08	59,364.46
Strip Mall	37058.7	0.40	3.63	3.05	0.02		0.00	0.28		0.00	0.28		4,359.85		0.08	0.08	4,386.38
Total		**38.06**	**341.69**	**259.49**	**2.07**		**0.00**	**26.30**		**0.00**	**26.30**		**415,132.98**		**7.94**	**7.61**	**417,659.41**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	192.748	2.08	17.76	7.56	0.11		0.00	1.44		0.00	1.44		22,676.28		0.43	0.42	22,814.29
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1881.94	20.30	184.50	154.98	1.11		0.00	14.02		0.00	14.02		221,404.50		4.24	4.06	222,751.93
Government Office Building	680.437	7.34	66.71	56.04	0.40		0.00	5.07		0.00	5.07		80,051.36		1.53	1.47	80,538.54
Single Family Housing	438.065	4.72	40.37	17.18	0.26		0.00	3.26		0.00	3.26		51,537.05		0.99	0.94	51,850.69
Strip Mall	34.1458	0.37	3.35	2.81	0.02		0.00	0.25		0.00	0.25		4,017.15		0.08	0.07	4,041.60

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Total		**34.81**	**312.69**	**238.57**	**1.90**		**0.00**	**24.04**		**0.00**	**24.04**		**379,686.34**		**7.27**	**6.96**	**381,997.05**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68
Unmitigated	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	653.95					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,084.38					0.00	0.00		0.00	0.00						0.00
Hearth	6,539.91	116.26	9,658.80	9.13		0.00	1,405.27		0.00	1,405.18	159,715.52	144,423.53		317.80	10.79	314,158.98
Landscaping	30.85	11.86	1,032.17	0.05		0.00	5.72		0.00	5.72		1,864.46		1.77		1,901.70
Total	**9,309.09**	**128.12**	**10,690.97**	**9.18**		**0.00**	**1,410.99**		**0.00**	**1,410.90**	**159,715.52**	**146,287.99**		**319.57**	**10.79**	**316,060.68**

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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	653.95					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,084.38					0.00	0.00		0.00	0.00						0.00
Hearth	6,539.91	116.26	9,658.80	9.13		0.00	1,405.27		0.00	1,405.18	159,715.52	144,423.53		317.80	10.79	314,158.98
Landscaping	30.85	11.86	1,032.17	0.05		0.00	5.72		0.00	5.72		1,864.46		1.77		1,901.70
Total	**9,309.09**	**128.12**	**10,690.97**	**9.18**		**0.00**	**1,410.99**		**0.00**	**1,410.90**	**159,715.52**	**146,287.99**		**319.57**	**10.79**	**316,060.68**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

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3957.1 OMCPU Adopted Plan 2030

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Government Office Building	13420.84	1000sqft
General Light Industry	61833.42	1000sqft
City Park	64	Acre
Apartments Mid Rise	7600	Dwelling Unit
Single Family Housing	4800	Dwelling Unit
Strip Mall	5906.74	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			
			40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Source: OMCPU 2011

Construction Phase - construction calculated separately

Architectural Coating -

Vehicle Trips - Source: OMCPU Traffic Report

Woodstoves -

Area Coating -

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Energy Mitigation -

Water Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	565.88	3,366.56	4,913.60	7.71	648.22	119.18	767.40	10.36	110.00	120.36	0.00	795,262.13	0.00	42.71	0.00	796,159.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	565.88	3,366.56	4,913.60	7.71	29.52	119.18	148.70	10.36	110.00	120.36	0.00	795,262.13	0.00	42.71	0.00	796,159.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68
Energy	38.05	341.70	259.49	2.08		0.00	26.29		0.00	26.29		415,132.99		7.96	7.61	417,659.42

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Mobile	3,318.18	5,784.87	25,389.50	75.65	8,849.85	398.19	9,248.04	123.09	383.53	506.62		#########		217.02		#########
Total	**12,665.33**	**6,254.69**	**36,339.96**	**86.92**	**8,849.85**	**398.19**	**10,685.32**	**123.09**	**383.53**	**1,943.80**	**159,715.52**	**#########**		**544.55**	**18.40**	**#########**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68
Energy	34.80	312.69	238.57	1.90		0.00	24.05		0.00	24.05		379,686.35		7.28	6.96	381,997.06
Mobile	3,318.18	5,784.87	25,389.50	75.65	8,849.85	398.19	9,248.04	123.09	383.53	506.62		#########		217.02		#########
Total	**12,662.08**	**6,225.68**	**36,319.04**	**86.74**	**8,849.85**	**398.19**	**10,683.08**	**123.09**	**383.53**	**1,941.56**	**159,715.52**	**#########**		**543.87**	**17.75**	**#########**

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Building Construction - 2011

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Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80		4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**		**4,040.62**		**0.55**		**4,052.11**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	262.66	2,980.50	1,866.82	3.76	134.56	98.97	233.53	3.43	91.07	94.50		394,355.46		12.92		394,626.85
Worker	297.11	345.84	3,022.76	3.91	513.66	17.41	531.08	6.93	16.13	23.06		396,866.06		29.24		397,480.04
Total	**559.77**	**3,326.34**	**4,889.58**	**7.67**	**648.22**	**116.38**	**764.61**	**10.36**	**107.20**	**117.56**		**791,221.52**		**42.16**		**792,106.89**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80	0.00	4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**	**0.00**	**4,040.62**		**0.55**		**4,052.11**

Mitigated Construction Off-Site

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	262.66	2,980.50	1,866.82	3.76	10.33	98.97	109.30	3.43	91.07	94.50		394,355.46		12.92		394,626.85
Worker	297.11	345.84	3,022.76	3.91	19.19	17.41	36.60	6.93	16.13	23.06		396,866.06		29.24		397,480.04
Total	**559.77**	**3,326.34**	**4,889.58**	**7.67**	**29.52**	**116.38**	**145.90**	**10.36**	**107.20**	**117.56**		**791,221.52**		**42.16**		**792,106.89**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3,318.18	5,784.87	25,389.50	75.65	8,849.85	398.19	9,248.04	123.09	383.53	506.62		#########		217.02		#########
Unmitigated	3,318.18	5,784.87	25,389.50	75.65	8,849.85	398.19	9,248.04	123.09	383.53	506.62		#########		217.02		#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	60,800.00	60,800.00	60800.00	173,602,444	173,602,444
City Park	2,216.96	2,216.96	2216.96	4,732,883	4,732,883

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General Light Industry	531,149.08	531,149.08	531149.08	1,550,695,650	1,550,695,650
Government Office Building	54,622.82	54,622.82	54622.82	93,671,604	93,671,604
Single Family Housing	42,192.00	42,192.00	42192.00	120,470,959	120,470,959
Strip Mall	475,197.23	475,197.23	475197.23	731,819,439	731,819,439
Total	1,166,178.09	1,166,178.09	1,166,178.09	2,674,992,979	2,674,992,979

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	34.80	312.69	238.57	1.90		0.00	24.05		0.00	24.05		379,686.35		7.28	6.96	381,997.06
NaturalGas Unmitigated	38.05	341.70	259.49	2.08		0.00	26.29		0.00	26.29		415,132.99		7.96	7.61	417,659.42

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Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	219461	2.37	20.22	8.61	0.13		0.00	1.64		0.00	1.64		25,818.93		0.49	0.47	25,976.06
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1.9973e+006	21.54	195.81	164.48	1.17		0.00	14.88		0.00	14.88		234,976.96		4.50	4.31	236,406.99
Government Office Building	773261	8.34	75.81	63.68	0.45		0.00	5.76		0.00	5.76		90,971.88		1.74	1.67	91,525.52
Single Family Housing	501546	5.41	46.22	19.67	0.30		0.00	3.74		0.00	3.74		59,005.36		1.13	1.08	59,364.46
Strip Mall	37058.7	0.40	3.63	3.05	0.02		0.00	0.28		0.00	0.28		4,359.85		0.08	0.08	4,386.38
Total		**38.06**	**341.69**	**259.49**	**2.07**		**0.00**	**26.30**		**0.00**	**26.30**		**415,132.98**		**7.94**	**7.61**	**417,659.41**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	192.748	2.08	17.76	7.56	0.11		0.00	1.44		0.00	1.44		22,676.28		0.43	0.42	22,814.29
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1881.94	20.30	184.50	154.98	1.11		0.00	14.02		0.00	14.02		221,404.50		4.24	4.06	222,751.93
Government Office Building	680.437	7.34	66.71	56.04	0.40		0.00	5.07		0.00	5.07		80,051.36		1.53	1.47	80,538.54
Single Family Housing	438.065	4.72	40.37	17.18	0.26		0.00	3.26		0.00	3.26		51,537.05		0.99	0.94	51,850.69
Strip Mall	34.1458	0.37	3.35	2.81	0.02		0.00	0.25		0.00	0.25		4,017.15		0.08	0.07	4,041.60
Total		**34.81**	**312.69**	**238.57**	**1.90**		**0.00**	**24.04**		**0.00**	**24.04**		**379,686.34**		**7.27**	**6.96**	**381,997.05**

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68
Unmitigated	9,309.10	128.12	10,690.97	9.19		0.00	1,410.99		0.00	1,410.89	159,715.52	146,287.99		319.57	10.79	316,060.68
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	653.95					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,084.38					0.00	0.00		0.00	0.00						0.00
Hearth	6,539.91	116.26	9,658.80	9.13		0.00	1,405.27		0.00	1,405.18	159,715.52	144,423.53		317.80	10.79	314,158.98
Landscaping	30.85	11.86	1,032.17	0.05		0.00	5.72		0.00	5.72		1,864.46		1.77		1,901.70
Total	**9,309.09**	**128.12**	**10,690.97**	**9.18**		**0.00**	**1,410.99**		**0.00**	**1,410.90**	**159,715.52**	**146,287.99**		**319.57**	**10.79**	**316,060.68**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

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Architectural Coating	653.95					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,084.38					0.00	0.00		0.00	0.00						0.00
Hearth	6,539.91	116.26	9,658.80	9.13		0.00	1,405.27		0.00	1,405.18	159,715.52	144,423.53		317.80	10.79	314,158.98
Landscaping	30.85	11.86	1,032.17	0.05		0.00	5.72		0.00	5.72		1,864.46		1.77		1,901.70
Total	**9,309.09**	**128.12**	**10,690.97**	**9.18**		**0.00**	**1,410.99**		**0.00**	**1,410.90**	**159,715.52**	**146,287.99**		**319.57**	**10.79**	**316,060.68**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

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3957.1 OMCPU Proposed CPU 2030

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Government Office Building	15224.22	1000sqft
General Light Industry	52838.28	1000sqft
City Park	161	Acre
Apartments Mid Rise	14501	Dwelling Unit
Single Family Housing	4273	Dwelling Unit
Strip Mall	4521.53	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			
			40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Source: OMCPU 2011

Construction Phase - construction calculated separately

Architectural Coating -

Vehicle Trips - Source: OMCPU Traffic Report

Woodstoves - No woodstoves or fireplaces

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Area Coating -

Energy Mitigation -

Water Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	8.47	48.71	78.36	0.12	9.18	1.82	11.00	0.17	1.68	1.84	0.00	11,553.39	11,553.39	0.62	0.00	11,566.52
Total	**8.47**	**48.71**	**78.36**	**0.12**	**9.18**	**1.82**	**11.00**	**0.17**	**1.68**	**1.84**	**0.00**	**11,553.39**	**11,553.39**	**0.62**	**0.00**	**11,566.52**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	8.47	48.71	78.36	0.12	0.47	1.82	2.29	0.17	1.68	1.84	0.00	11,553.39	11,553.39	0.62	0.00	11,566.52
Total	**8.47**	**48.71**	**78.36**	**0.12**	**0.47**	**1.82**	**2.29**	**0.17**	**1.68**	**1.84**	**0.00**	**11,553.39**	**11,553.39**	**0.62**	**0.00**	**11,566.52**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1,672.71	17.60	1,591.78	0.57		0.00	205.79		0.00	205.78	19,392.75	24,629.40	44,022.15	18.43	1.82	44,974.43

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Energy	6.84	61.29	45.45	0.37		0.00	4.73		0.00	4.73	0.00	367,071.09	367,071.09	12.42	5.46	369,024.10
Mobile	513.63	917.64	4,287.56	12.97	1,314.63	67.35	1,381.98	20.94	64.93	85.87	0.00	896,641.86	896,641.86	33.38	0.00	897,342.79
Waste						0.00	0.00		0.00	0.00	630,218.72	0.00	630,218.72	37,244.86	0.00	#########
Water						0.00	0.00		0.00	0.00	0.00	#########	#########	8,115.96	217.48	#########
Total	**2,193.18**	**996.53**	**5,924.79**	**13.91**	**1,314.63**	**67.35**	**1,592.50**	**20.94**	**64.93**	**296.38**	**649,611.47**	#########	#########	**45,425.05**	**224.76**	#########

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1,672.71	17.60	1,591.78	0.57		0.00	205.79		0.00	205.78	19,392.75	24,629.40	44,022.15	18.43	1.82	44,974.43
Energy	6.23	55.80	41.59	0.34		0.00	4.30		0.00	4.30	0.00	335,084.92	335,084.92	11.34	4.98	336,867.56
Mobile	513.63	917.64	4,287.56	12.97	1,314.63	67.35	1,381.98	20.94	64.93	85.87	0.00	896,641.86	896,641.86	33.38	0.00	897,342.79
Waste						0.00	0.00		0.00	0.00	630,218.72	0.00	630,218.72	37,244.86	0.00	#########
Water						0.00	0.00		0.00	0.00	0.00	987,259.47	987,259.47	6,492.76	173.99	#########
Total	**2,192.57**	**991.04**	**5,920.93**	**13.88**	**1,314.63**	**67.35**	**1,592.07**	**20.94**	**64.93**	**295.95**	**649,611.47**	#########	#########	**43,800.77**	**180.79**	#########

3.0 Construction Detail

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3.1 Mitigation Measures Construction

3.2 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.10	0.64	0.38	0.00		0.04	0.04		0.04	0.04	0.00	58.63	58.63	0.01	0.00	58.80
Total	**0.10**	**0.64**	**0.38**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**58.63**	**58.63**	**0.01**	**0.00**	**58.80**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	3.92	42.92	27.55	0.06	1.80	1.49	3.28	0.05	1.37	1.42	0.00	5,464.64	5,464.64	0.18	0.00	5,468.35
Worker	4.45	5.14	50.43	0.06	7.39	0.29	7.67	0.11	0.27	0.38	0.00	6,030.12	6,030.12	0.44	0.00	6,039.37
Total	**8.37**	**48.06**	**77.98**	**0.12**	**9.19**	**1.78**	**10.95**	**0.16**	**1.64**	**1.80**	**0.00**	**11,494.76**	**11,494.76**	**0.62**	**0.00**	**11,507.72**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.10	0.64	0.38	0.00		0.04	0.04		0.04	0.04	0.00	58.63	58.63	0.01	0.00	58.80

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Total	**0.10**	**0.64**	**0.38**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**58.63**	**58.63**	**0.01**	**0.00**	**58.80**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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
Vendor	3.92	42.92	27.55	0.06	0.16	1.49	1.64	0.05	1.37	1.42	0.00	5,464.64	5,464.64	0.18	0.00	5,468.35
Worker	4.45	5.14	50.43	0.06	0.32	0.29	0.60	0.11	0.27	0.38	0.00	6,030.12	6,030.12	0.44	0.00	6,039.37
Total	**8.37**	**48.06**	**77.98**	**0.12**	**0.48**	**1.78**	**2.24**	**0.16**	**1.64**	**1.80**	**0.00**	**11,494.76**	**11,494.76**	**0.62**	**0.00**	**11,507.72**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	513.63	917.64	4,287.56	12.97	1,314.63	67.35	1,381.98	20.94	64.93	85.87	0.00	896,641.86	896,641.86	33.38	0.00	897,342.79
Unmitigated	513.63	917.64	4,287.56	12.97	1,314.63	67.35	1,381.98	20.94	64.93	85.87	0.00	896,641.86	896,641.86	33.38	0.00	897,342.79
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	116,008.00	116,008.00	116008.00	331,238,032	331,238,032
City Park	7,283.64	7,283.64	7283.64	15,549,499	15,549,499
General Light Industry	484,527.03	484,527.03	484527.03	1,414,582,055	1,414,582,055
Government Office Building	96,521.55	96,521.55	96521.55	165,522,926	165,522,926
Single Family Housing	37,559.67	37,559.67	37559.67	107,244,252	107,244,252
Strip Mall	303,213.80	303,213.80	303213.80	466,959,273	466,959,273
Total	1,045,113.69	1,045,113.69	1,045,113.69	2,501,096,037	2,501,096,037

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	273,458.95	273,458.95	10.16	3.85	274,866.54
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	299,337.09	299,337.09	11.12	4.22	300,877.88
NaturalGas Mitigated	6.23	55.80	41.59	0.34		0.00	4.30		0.00	4.30	0.00	61,625.97	61,625.97	1.18	1.13	62,001.02
NaturalGas Unmitigated	6.84	61.29	45.45	0.37		0.00	4.73		0.00	4.73	0.00	67,734.00	67,734.00	1.30	1.24	68,146.22
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	1.52839e+008	0.82	7.04	3.00	0.04		0.00	0.57		0.00	0.57	0.00	8,156.08	8,156.08	0.16	0.15	8,205.71
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	6.22963e+008	3.36	30.54	25.65	0.18		0.00	2.32		0.00	2.32	0.00	33,243.70	33,243.70	0.64	0.61	33,446.01
Government Office Building	3.20165e+008	1.73	15.69	13.18	0.09		0.00	1.19		0.00	1.19	0.00	17,085.24	17,085.24	0.33	0.31	17,189.22
Single Family Housing	1.62965e+008	0.88	7.51	3.20	0.05		0.00	0.61		0.00	0.61	0.00	8,696.44	8,696.44	0.17	0.16	8,749.37
Strip Mall	1.03543e+007	0.06	0.51	0.43	0.00		0.00	0.04		0.00	0.04	0.00	552.55	552.55	0.01	0.01	555.91
Total		**6.85**	**61.29**	**45.46**	**0.36**		**0.00**	**4.73**		**0.00**	**4.73**	**0.00**	**67,734.01**	**67,734.01**	**1.31**	**1.24**	**68,146.22**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					

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Apartments Mid Rise	1.34236e+008	0.72	6.19	2.63	0.04		0.00	0.50		0.00	0.50	0.00	7,163.33	7,163.33	0.14	0.13	7,206.92
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	5.8698e+008	3.17	28.77	24.17	0.17		0.00	2.19		0.00	2.19	0.00	31,323.51	31,323.51	0.60	0.57	31,514.14
Government Office Building	2.81732e+008	1.52	13.81	11.60	0.08		0.00	1.05		0.00	1.05	0.00	15,034.28	15,034.28	0.29	0.28	15,125.78
Single Family Housing	1.42339e+008	0.77	6.56	2.79	0.04		0.00	0.53		0.00	0.53	0.00	7,595.73	7,595.73	0.15	0.14	7,641.96
Strip Mall	9.54043e+006	0.05	0.47	0.39	0.00		0.00	0.04		0.00	0.04	0.00	509.11	509.11	0.01	0.01	512.21
Total		**6.23**	**55.80**	**41.58**	**0.33**		**0.00**	**4.31**		**0.00**	**4.31**	**0.00**	**61,625.96**	**61,625.96**	**1.19**	**1.13**	**62,001.01**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	5.0568e+007					17,909.19	0.67	0.25	18,001.38
City Park	0					0.00	0.00	0.00	0.00
General Light Industry	4.75545e+008					168,419.03	6.26	2.37	169,285.94
Government Office Building	2.28211e+008					80,823.32	3.00	1.14	81,239.34
Single Family Housing	2.73962e+007					9,702.64	0.36	0.14	9,752.58
Strip Mall	6.34823e+007					22,482.91	0.84	0.32	22,598.64
Total						**299,337.09**	**11.13**	**4.22**	**300,877.88**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	4.64893e+007					16,464.68	0.61	0.23	16,549.43
City Park	0					0.00	0.00	0.00	0.00

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General Light Industry	4.38056e+008					155,142.00	5.76	2.19	155,940.57
Government Office Building	2.05329e+008					72,719.42	2.70	1.02	73,093.73
Single Family Housing	2.61558e+007					9,263.34	0.34	0.13	9,311.02
Strip Mall	5.61031e+007					19,869.51	0.74	0.28	19,971.79
Total						**273,458.95**	**10.15**	**3.85**	**274,866.54**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1,672.71	17.60	1,591.78	0.57		0.00	205.79		0.00	205.78	19,392.75	24,629.40	44,022.15	18.43	1.82	44,974.43
Unmitigated	1,672.71	17.60	1,591.78	0.57		0.00	205.79		0.00	205.78	19,392.75	24,629.40	44,022.15	18.43	1.82	44,974.43
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	118.72					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	370.15					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1,179.64	15.98	1,451.26	0.57		0.00	205.02		0.00	205.00	19,392.75	24,399.11	43,791.85	18.21	1.82	44,739.54

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Landscaping	4.20	1.61	140.52	0.01		0.00	0.78		0.00	0.78	0.00	230.29	230.29	0.22	0.00	234.89
Total	**1,672.71**	**17.59**	**1,591.78**	**0.58**		**0.00**	**205.80**		**0.00**	**205.78**	**19,392.75**	**24,629.40**	**44,022.14**	**18.43**	**1.82**	**44,974.43**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	118.72					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	370.15					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1,179.64	15.98	1,451.26	0.57		0.00	205.02		0.00	205.00	19,392.75	24,399.11	43,791.85	18.21	1.82	44,739.54
Landscaping	4.20	1.61	140.52	0.01		0.00	0.78		0.00	0.78	0.00	230.29	230.29	0.22	0.00	234.89
Total	**1,672.71**	**17.59**	**1,591.78**	**0.58**		**0.00**	**205.80**		**0.00**	**205.78**	**19,392.75**	**24,629.40**	**44,022.14**	**18.43**	**1.82**	**44,974.43**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					987,259.47	6,492.76	173.99	#########
Unmitigated					#########	8,115.96	217.48	#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

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Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	944.799 / 595.634					6,711.21	29.09	0.81	7,573.05
City Park	0 / 191.828					754.79	0.03	0.01	758.68
General Light Industry	259803 / 0					#########	7,974.85	213.55	#########
Government Office Building	3024.43 / 1853.69					21,274.91	93.11	2.59	24,032.69
Single Family Housing	278.403 / 175.515					1,977.59	8.57	0.24	2,231.54
Strip Mall	334.921 / 205.274					2,355.95	10.31	0.29	2,661.34
Total						**1,234,074.34**	**8,115.96**	**217.49**	**1,471,929.41**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	755.839 / 476.507					5,368.97	23.27	0.65	6,058.44
City Park	0 / 153.463					603.83	0.02	0.01	606.94
General Light Industry	207842 / 0					960,799.91	6,379.88	170.84	#########
Government Office Building	2419.55 / 1482.95					17,019.93	74.49	2.07	19,226.15
Single Family Housing	222.723 / 140.412					1,582.07	6.86	0.19	1,785.24
Strip Mall	267.937 / 164.219					1,884.76	8.25	0.23	2,129.07
Total						**987,259.47**	**6,492.77**	**173.99**	**1,177,543.53**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					630,218.72	37,244.86	0.00	#########
Unmitigated					630,218.72	37,244.86	0.00	#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	6670.46					1,354.04	80.02	0.00	3,034.50
City Park	13.85					2.81	0.17	0.00	6.30
General Light Industry	3.07406e+006					624,006.98	36,877.76	0.00	#########
Government Office Building	14158.5					2,874.05	169.85	0.00	6,440.93
Single Family Housing	5010.61					1,017.11	60.11	0.00	2,279.41
Strip Mall	4747.61					963.72	56.95	0.00	2,159.76
Total						**630,218.71**	**37,244.86**	**0.00**	**1,412,360.77**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e

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Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	6670.46					1,354.04	80.02	0.00	3,034.50
City Park	13.85					2.81	0.17	0.00	6.30
General Light Industry	3.07406e+006					624,006.98	36,877.76	0.00	#########
Government Office Building	14158.5					2,874.05	169.85	0.00	6,440.93
Single Family Housing	5010.61					1,017.11	60.11	0.00	2,279.41
Strip Mall	4747.61					963.72	56.95	0.00	2,159.76
Total						**630,218.71**	**37,244.86**	**0.00**	**1,412,360.77**

9.0 Vegetation

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3957.1 OMCPU Proposed CPU 2030

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Government Office Building	15224.22	1000sqft
General Light Industry	52838.28	1000sqft
City Park	161	Acre
Apartments Mid Rise	14501	Dwelling Unit
Single Family Housing	4273	Dwelling Unit
Strip Mall	4521.53	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			
			40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Source: OMCPU 2011

Construction Phase - construction calculated separately

Architectural Coating -

Vehicle Trips - Source: OMCPU Traffic Report

Woodstoves - No woodstoves or fireplaces

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Area Coating -

Energy Mitigation -

Water Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	523.93	3,134.96	4,888.77	7.95	656.37	112.76	769.12	10.39	104.09	114.48	0.00	823,759.19	0.00	43.47	0.00	824,672.01
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	523.93	3,134.96	4,888.77	7.95	29.56	112.76	142.31	10.39	104.09	114.48	0.00	823,759.19	0.00	43.47	0.00	824,672.01
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07

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Energy	37.50	335.84	249.06	2.05		0.00	25.91		0.00	25.91		409,117.57		7.84	7.50	411,607.40
Mobile	2,893.33	5,166.37	23,706.98	75.64	8,274.54	369.77	8,644.31	115.08	356.11	471.20		#########		214.64		#########
Total	**15,557.91**	**5,696.18**	**40,142.51**	**91.60**	**8,274.54**	**369.77**	**10,806.50**	**115.08**	**356.11**	**2,633.24**	**241,814.44**	#########		**706.32**	**23.84**	#########

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07
Energy	34.12	305.73	227.87	1.86		0.00	23.57		0.00	23.57		372,224.68		7.13	6.82	374,489.98
Mobile	2,893.33	5,166.37	23,706.98	75.64	8,274.54	369.77	8,644.31	115.08	356.11	471.20		#########		214.64		#########
Total	**15,554.53**	**5,666.07**	**40,121.32**	**91.41**	**8,274.54**	**369.77**	**10,804.16**	**115.08**	**356.11**	**2,630.90**	**241,814.44**	#########		**705.61**	**23.16**	#########

3.0 Construction Detail

3.1 Mitigation Measures Construction

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3.2 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80		4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**		**4,040.62**		**0.55**		**4,052.11**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	237.60	2,769.94	1,598.07	3.60	127.89	92.04	219.93	3.26	84.69	87.96		377,678.67		11.74		377,925.12
Worker	280.22	324.80	3,266.67	4.31	528.48	17.91	546.39	7.13	16.60	23.73		442,039.91		31.18		442,694.78
Total	**517.82**	**3,094.74**	**4,864.74**	**7.91**	**656.37**	**109.95**	**766.32**	**10.39**	**101.29**	**111.69**		**819,718.58**		**42.92**		**820,619.90**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80	0.00	4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**	**0.00**	**4,040.62**		**0.55**		**4,052.11**

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	237.60	2,769.94	1,598.07	3.60	9.81	92.04	101.86	3.26	84.69	87.96		377,678.67		11.74		377,925.12
Worker	280.22	324.80	3,266.67	4.31	19.75	17.91	37.66	7.13	16.60	23.73		442,039.91		31.18		442,694.78
Total	**517.82**	**3,094.74**	**4,864.74**	**7.91**	**29.56**	**109.95**	**139.52**	**10.39**	**101.29**	**111.69**		**819,718.58**		**42.92**		**820,619.90**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2,893.33	5,166.37	23,706.98	75.64	8,274.54	369.77	8,644.31	115.08	356.11	471.20		#########		214.64		#########
Unmitigated	2,893.33	5,166.37	23,706.98	75.64	8,274.54	369.77	8,644.31	115.08	356.11	471.20		#########		214.64		#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated

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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	116,008.00	116,008.00	116008.00	331,238,032	331,238,032
City Park	7,283.64	7,283.64	7283.64	15,549,499	15,549,499
General Light Industry	484,527.03	484,527.03	484527.03	1,414,582,055	1,414,582,055
Government Office Building	96,521.55	96,521.55	96521.55	165,522,926	165,522,926
Single Family Housing	37,559.67	37,559.67	37559.67	107,244,252	107,244,252
Strip Mall	303,213.80	303,213.80	303213.80	466,959,273	466,959,273
Total	1,045,113.69	1,045,113.69	1,045,113.69	2,501,096,037	2,501,096,037

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

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NaturalGas Mitigated	34.12	305.73	227.87	1.86		0.00	23.57		0.00	23.57		372,224.68		7.13	6.82	374,489.98
NaturalGas Unmitigated	37.50	335.84	249.06	2.05		0.00	25.91		0.00	25.91		409,117.57		7.84	7.50	411,607.40
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	418737	4.52	38.59	16.42	0.25		0.00	3.12		0.00	3.12		49,263.20		0.94	0.90	49,563.01
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1.70675e+006	18.41	167.33	140.56	1.00		0.00	12.72		0.00	12.72		200,793.98		3.85	3.68	202,015.98
Government Office Building	877165	9.46	86.00	72.24	0.52		0.00	6.54		0.00	6.54		103,195.92		1.98	1.89	103,823.95
Single Family Housing	446480	4.81	41.15	17.51	0.26		0.00	3.33		0.00	3.33		52,527.06		1.01	0.96	52,846.73
Strip Mall	28368	0.31	2.78	2.34	0.02		0.00	0.21		0.00	0.21		3,337.41		0.06	0.06	3,357.72
Total		**37.51**	**335.85**	**249.07**	**2.05**		**0.00**	**25.92**		**0.00**	**25.92**		**409,117.57**		**7.84**	**7.49**	**411,607.39**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	367.769	3.97	33.89	14.42	0.22		0.00	2.74		0.00	2.74		43,266.94		0.83	0.79	43,530.26
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1608.17	17.34	157.66	132.44	0.95		0.00	11.98		0.00	11.98		189,195.96		3.63	3.47	190,347.37
Government Office Building	771.868	8.32	75.67	63.57	0.45		0.00	5.75		0.00	5.75		90,807.99		1.74	1.66	91,360.64
Single Family Housing	389.969	4.21	35.94	15.29	0.23		0.00	2.91		0.00	2.91		45,878.71		0.88	0.84	46,157.92
Strip Mall	26.1382	0.28	2.56	2.15	0.02		0.00	0.19		0.00	0.19		3,075.08		0.06	0.06	3,093.79

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Total		**34.12**	**305.72**	**227.87**	**1.87**		**0.00**	**23.57**		**0.00**	**23.57**		**372,224.68**		**7.14**	**6.82**	**374,489.98**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07
Unmitigated	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	650.52					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,028.22					0.00	0.00		0.00	0.00						0.00
Hearth	9,901.64	176.02	14,623.73	13.82		0.00	2,127.63		0.00	2,127.48	241,814.44	218,661.88		481.15	16.34	475,646.83
Landscaping	46.71	17.95	1,562.74	0.08		0.00	8.65		0.00	8.65		2,822.85		2.69		2,879.23
Total	**12,627.09**	**193.97**	**16,186.47**	**13.90**		**0.00**	**2,136.28**		**0.00**	**2,136.13**	**241,814.44**	**221,484.73**		**483.84**	**16.34**	**478,526.06**

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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	650.52					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,028.22					0.00	0.00		0.00	0.00						0.00
Hearth	9,901.64	176.02	14,623.73	13.82		0.00	2,127.63		0.00	2,127.48	241,814.44	218,661.88		481.15	16.34	475,646.83
Landscaping	46.71	17.95	1,562.74	0.08		0.00	8.65		0.00	8.65		2,822.85		2.69		2,879.23
Total	**12,627.09**	**193.97**	**16,186.47**	**13.90**		**0.00**	**2,136.28**		**0.00**	**2,136.13**	**241,814.44**	**221,484.73**		**483.84**	**16.34**	**478,526.06**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

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3957.1 OMCPU Proposed CPU 2030

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Government Office Building	15224.22	1000sqft
General Light Industry	52838.28	1000sqft
City Park	161	Acre
Apartments Mid Rise	14501	Dwelling Unit
Single Family Housing	4273	Dwelling Unit
Strip Mall	4521.53	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	San Diego Gas & Electric
Climate Zone	13		2.6		
		Precipitation Freq (Days)			
			40		

1.3 User Entered Comments

Project Characteristics -

Land Use - Source: OMCPU 2011

Construction Phase - construction calculated separately

Architectural Coating -

Vehicle Trips - Source: OMCPU Traffic Report

Woodstoves - No woodstoves or fireplaces

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Area Coating -

Energy Mitigation -

Water Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	561.43	3,228.81	4,908.25	7.64	656.37	114.78	771.14	10.39	105.95	116.35	0.00	787,162.53	0.00	42.91	0.00	788,063.66
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2011	561.43	3,228.81	4,908.25	7.64	29.56	114.78	144.34	10.39	105.95	116.35	0.00	787,162.53	0.00	42.91	0.00	788,063.66
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07

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Energy	37.50	335.84	249.06	2.05		0.00	25.91		0.00	25.91		409,117.57		7.84	7.50	411,607.40
Mobile	3,058.93	5,338.05	23,485.47	70.63	8,274.54	371.31	8,645.85	115.08	357.65	472.73		#########		201.78		#########
Total	**15,723.51**	**5,867.86**	**39,921.00**	**86.59**	**8,274.54**	**371.31**	**10,808.04**	**115.08**	**357.65**	**2,634.77**	**241,814.44**	#########		**693.46**	**23.84**	#########

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07
Energy	34.12	305.73	227.87	1.86		0.00	23.57		0.00	23.57		372,224.68		7.13	6.82	374,489.98
Mobile	3,058.93	5,338.05	23,485.47	70.63	8,274.54	371.31	8,645.85	115.08	357.65	472.73		#########		201.78		#########
Total	**15,720.13**	**5,837.75**	**39,899.81**	**86.40**	**8,274.54**	**371.31**	**10,805.70**	**115.08**	**357.65**	**2,632.43**	**241,814.44**	#########		**692.75**	**23.16**	#########

3.0 Construction Detail

3.1 Mitigation Measures Construction

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3.2 Building Construction - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80		4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**		**4,040.62**		**0.55**		**4,052.11**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	249.64	2,832.78	1,774.29	3.57	127.89	94.07	221.95	3.26	86.56	89.82		374,810.22		12.28		375,068.17
Worker	305.68	355.82	3,109.93	4.02	528.48	17.91	546.39	7.13	16.60	23.73		408,311.69		30.08		408,943.38
Total	**555.32**	**3,188.60**	**4,884.22**	**7.59**	**656.37**	**111.98**	**768.34**	**10.39**	**103.16**	**113.55**		**783,121.91**		**42.36**		**784,011.55**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.11	40.22	24.03	0.04		2.80	2.80		2.80	2.80	0.00	4,040.62		0.55		4,052.11
Total	**6.11**	**40.22**	**24.03**	**0.04**		**2.80**	**2.80**		**2.80**	**2.80**	**0.00**	**4,040.62**		**0.55**		**4,052.11**

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	249.64	2,832.78	1,774.29	3.57	9.81	94.07	103.88	3.26	86.56	89.82		374,810.22		12.28		375,068.17
Worker	305.68	355.82	3,109.93	4.02	19.75	17.91	37.66	7.13	16.60	23.73		408,311.69		30.08		408,943.38
Total	**555.32**	**3,188.60**	**4,884.22**	**7.59**	**29.56**	**111.98**	**141.54**	**10.39**	**103.16**	**113.55**		**783,121.91**		**42.36**		**784,011.55**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3,058.93	5,338.05	23,485.47	70.63	8,274.54	371.31	8,645.85	115.08	357.65	472.73		#########		201.78		#########
Unmitigated	3,058.93	5,338.05	23,485.47	70.63	8,274.54	371.31	8,645.85	115.08	357.65	472.73		#########		201.78		#########
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated

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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	116,008.00	116,008.00	116008.00	331,238,032	331,238,032
City Park	7,283.64	7,283.64	7283.64	15,549,499	15,549,499
General Light Industry	484,527.03	484,527.03	484527.03	1,414,582,055	1,414,582,055
Government Office Building	96,521.55	96,521.55	96521.55	165,522,926	165,522,926
Single Family Housing	37,559.67	37,559.67	37559.67	107,244,252	107,244,252
Strip Mall	303,213.80	303,213.80	303213.80	466,959,273	466,959,273
Total	1,045,113.69	1,045,113.69	1,045,113.69	2,501,096,037	2,501,096,037

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60
City Park	9.50	7.30	7.30	33.00	48.00	19.00
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

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NaturalGas Mitigated	34.12	305.73	227.87	1.86		0.00	23.57		0.00	23.57		372,224.68		7.13	6.82	374,489.98
NaturalGas Unmitigated	37.50	335.84	249.06	2.05		0.00	25.91		0.00	25.91		409,117.57		7.84	7.50	411,607.40
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	418737	4.52	38.59	16.42	0.25		0.00	3.12		0.00	3.12		49,263.20		0.94	0.90	49,563.01
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1.70675e+006	18.41	167.33	140.56	1.00		0.00	12.72		0.00	12.72		200,793.98		3.85	3.68	202,015.98
Government Office Building	877165	9.46	86.00	72.24	0.52		0.00	6.54		0.00	6.54		103,195.92		1.98	1.89	103,823.95
Single Family Housing	446480	4.81	41.15	17.51	0.26		0.00	3.33		0.00	3.33		52,527.06		1.01	0.96	52,846.73
Strip Mall	28368	0.31	2.78	2.34	0.02		0.00	0.21		0.00	0.21		3,337.41		0.06	0.06	3,357.72
Total		**37.51**	**335.85**	**249.07**	**2.05**		**0.00**	**25.92**		**0.00**	**25.92**		**409,117.57**		**7.84**	**7.49**	**411,607.39**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	367.769	3.97	33.89	14.42	0.22		0.00	2.74		0.00	2.74		43,266.94		0.83	0.79	43,530.26
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Light Industry	1608.17	17.34	157.66	132.44	0.95		0.00	11.98		0.00	11.98		189,195.96		3.63	3.47	190,347.37
Government Office Building	771.868	8.32	75.67	63.57	0.45		0.00	5.75		0.00	5.75		90,807.99		1.74	1.66	91,360.64
Single Family Housing	389.969	4.21	35.94	15.29	0.23		0.00	2.91		0.00	2.91		45,878.71		0.88	0.84	46,157.92
Strip Mall	26.1382	0.28	2.56	2.15	0.02		0.00	0.19		0.00	0.19		3,075.08		0.06	0.06	3,093.79

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Total		**34.12**	**305.72**	**227.87**	**1.87**		**0.00**	**23.57**		**0.00**	**23.57**		**372,224.68**		**7.14**	**6.82**	**374,489.98**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07
Unmitigated	12,627.08	193.97	16,186.47	13.91		0.00	2,136.28		0.00	2,136.13	241,814.44	221,484.73		483.84	16.34	478,526.07
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	650.52					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,028.22					0.00	0.00		0.00	0.00						0.00
Hearth	9,901.64	176.02	14,623.73	13.82		0.00	2,127.63		0.00	2,127.48	241,814.44	218,661.88		481.15	16.34	475,646.83
Landscaping	46.71	17.95	1,562.74	0.08		0.00	8.65		0.00	8.65		2,822.85		2.69		2,879.23
Total	**12,627.09**	**193.97**	**16,186.47**	**13.90**		**0.00**	**2,136.28**		**0.00**	**2,136.13**	**241,814.44**	**221,484.73**		**483.84**	**16.34**	**478,526.06**

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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	650.52					0.00	0.00		0.00	0.00						0.00
Consumer Products	2,028.22					0.00	0.00		0.00	0.00						0.00
Hearth	9,901.64	176.02	14,623.73	13.82		0.00	2,127.63		0.00	2,127.48	241,814.44	218,661.88		481.15	16.34	475,646.83
Landscaping	46.71	17.95	1,562.74	0.08		0.00	8.65		0.00	8.65		2,822.85		2.69		2,879.23
Total	**12,627.09**	**193.97**	**16,186.47**	**13.90**		**0.00**	**2,136.28**		**0.00**	**2,136.13**	**241,814.44**	**221,484.73**		**483.84**	**16.34**	**478,526.06**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

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ATTACHMENT 2

EMFAC2011 Emissions Data Sheets

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EMFAC 2011
2035 Estimated Annual Emission Rates
EMFAC 2011 Vehicle Categories
San Diego COUNTY
San Diego AIR BASIN

Area	CalYr	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	VMT (Miles/day)	ROG_RUNEX (gms/mile)	TOG_RUNEX (gms/mile)	CO_RUNEX (gms/mile)	NOX_RUNEX (gms/mile)	CO2_RUNEX (gms/mile)	CO2_RUNEX(Pavl (gms/mile)	PM10_RUNEX (gms/mile)
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	5	91882.55084	0.130226479	0.190769196	1.255239513	0.14330451	1089.245746	648.7026829	0.013844096
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	5	390.5783024	0.018109024	0.020615919	0.117720139	0.307497299	503.6912106	305.6611624	0.011030116
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	5	13411.44198	0.074647598	0.134944204	1.229881979	0.116729515	1267.38379	779.3490726	0.013767031
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	5	16.6410155	0.020513796	0.023353592	0.124679759	0.356225293	504.8271139	302.2397554	0.010523412
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	5	34396.02161	0.074333375	0.136838612	1.182736137	0.121101177	1482.332163	1008.951159	0.013710989
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	5	14.2637459	0.023264966	0.026485616	0.158292255	0.395990432	502.1635774	343.262791	0.012172318
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	5	74101.91883	0.048094995	0.080086256	0.753788202	0.101151439	2513.497115	2262.147404	0.001436193
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	5	24090.5364	0.197388157	0.22471329	2.354926222	1.563892243	519.0386274	467.1347647	0.052568319
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	5	6190.951283	0.035138717	0.063969217	0.554653819	0.075572197	2513.497108	2262.147397	0.001056226
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	5	6220.790597	0.180822436	0.205854319	2.224117523	1.411822214	519.1270682	467.2143614	0.04894233
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	5	1165.661431	4.680262965	5.129990087	23.13459594	1.223129367	266.3883747	239.7495372	4.67E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	5	23306.64944	0.106754726	0.188297022	1.649191817	0.173089223	1899.785318	1331.769498	0.013285775
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	5	25.85566618	0.018942989	0.021565332	0.120202194	0.321945419	504.1343001	349.8222441	0.011476116
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	5	2770.257115	0.054939737	0.098946326	0.754955675	0.113285996	2513.497167	2262.147451	0.001014805
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	5	415.2464856	1.061711739	1.208688203	1.864899046	10.59071621	2408.073159	2167.265843	0.116483418
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	5	244.6135011	2.359099759	2.685655498	4.712242278	5.929165626	3956.382502	3560.744252	0.069697145
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	5	703.6700788	0.086122171	0.13381807	1.2583513	0.135567271	2513.497135	2262.147421	0.001035129
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	5	169.3055375	0.584686431	0.691452068	8.036032445	0.640131665	2513.497014	2262.147312	0.003018372
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	5	320.0450701	2.281404998	2.597205927	4.045577123	12.25299043	2617.433993	2355.690594	0.064330803
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	5	48.03555949	1.199056581	1.365034643	2.126266873	3.783993402	2560.316276	2304.284648	0.046345049
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	5	6.877321171	1.047124035	1.192071005	1.856847444	3.103733524	2559.771396	2303.794257	0.038962322
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	5	23.80874125	0.995140674	1.132891906	1.764666224	2.85399011	2559.757881	2303.782093	0.036385586
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	5	426.1069773	1.133389476	1.290277643	2.009820501	3.514264365	2559.829437	2303.846494	0.043226445
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	5	1268.078487	1.034979397	1.17824526	1.835311563	3.044791191	2559.77262	2303.795358	0.038358864
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	5	1785.668909	1.134503721	1.291546127	2.011796373	3.519246105	2559.834059	2303.850653	0.043280226
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	5	5302.720757	1.035373689	1.178694131	1.836010754	3.046596151	2559.773739	2303.796365	0.038378068
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	5	3.94291162	1.047124035	1.192071005	1.856847444	3.103733524	2559.771396	2303.794257	0.038962322
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	5	13.65004777	0.995140674	1.132891906	1.764666224	2.85399011	2559.757881	2303.782093	0.036385586
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	5	429.14924	0.858837391	0.977720994	1.521123895	2.417825919	2560.683311	2304.61498	0.03080891
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	5	47.70022326	0.83825816	0.954293106	1.4864691	2.097757598	2559.765456	2303.78891	0.028595357
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	5	1878.757019	0.08219084	0.12940792	1.206080691	0.130960338	2513.497325	2262.147592	0.001068516
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	5	54.88254701	2.497298356	2.842984081	4.986957157	6.412272862	3956.995143	3561.295629	0.074674107
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	5	1702.897665	2.572820808	2.928960644	5.142669251	6.777547722	3956.349186	3560.714268	0.078126837
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	5	146.9785664	2.57297047	2.929131022	5.142971295	6.778154139	3956.349062	3560.714156	0.078132823
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	5	1915.69622	2.233783942	2.542992979	4.460213611	5.436462056	3956.345781	3560.711203	0.064800747
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	5	620.1520578	2.572821142	2.928961024	5.14267002	6.777546862	3956.349171	3560.714254	0.078126863
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	5	392.8997288	3.09582926	3.524365954	6.195513859	8.847084591	3956.343601	3560.709241	0.098692997
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	5	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	5	343.1818616	3.09582926	3.524365954	6.195513859	8.847084591	3956.343601	3560.709241	0.098692997
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	5	89.41453697	1.708997568	1.945563641	3.364868756	7.357333926	3969.010071	3572.109064	0.068447285
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	5	912.5456513	2.07262574	2.359526634	4.135363836	4.793869554	3956.442531	3560.798277	0.058407338
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	5	380.2142127	2.073469467	2.360487153	4.137072505	4.797263857	3956.440317	3560.796285	0.058441851
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	5	260.7144383	1.925334395	2.19184665	3.834946575	4.600847491	3958.697325	3562.827592	0.053718147
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	5	2515.756668	2.58453921	2.942301153	5.165625869	6.8145493	3956.449922	3560.80493	0.078504499
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	5	283.4777972	2.590082931	2.948612257	5.176755182	6.835899493	3956.454722	3560.80925	0.078718489
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	5	12.84403673	1.692268737	1.92651914	3.370080043	3.2981857	3956.396053	3560.756448	0.043502668
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	5	94.96349422	2.388700977	3.046265797	116.8592847	3.328709587	2513.497282	2262.147554	9.72E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	5	364.0066665	0.913099221	1.038237621	11.70155538	1.194138634	2513.497	2262.1473	0.00164931
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	5	1779.190812	1.086094902	1.236446754	6.344351758	14.48360514	2335.741399	2102.167259	0.439697514
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	5	530.1046553	1.229526923	1.399722809	2.18029942	3.972950973	2559.918613	2303.926751	0.047970343

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San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	10	309016.9281	0.082169547	0.120417679	1.146751853	0.124047091	809.3352903	482.0010381	0.00871204
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	10	1313.58244	0.015409127	0.017542266	0.110889851	0.291755375	454.9392031	276.1467562	0.009385955
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	10	45105.00044	0.047383708	0.085560472	1.120010985	0.100593355	941.6338661	579.0347869	0.008672349
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	10	55.9666185	0.017411311	0.019821619	0.119390056	0.338787683	455.724536	272.8420649	0.008931862
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	10	115679.7689	0.04699033	0.086462389	1.0797824	0.104639981	1101.34353	749.6301995	0.008629392
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	10	47.9714441	0.019834369	0.02258011	0.147336486	0.374984207	453.8830033	310.3815846	0.010385573
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	10	193226.7453	0.038845741	0.064653123	0.612118599	0.103280767	2036.128194	1832.515374	0.00115654
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	10	80112.01041	0.174412337	0.198556847	1.944387436	1.417983433	519.0386897	467.1348207	0.046449406
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	10	16143.40648	0.028371165	0.051643217	0.450410218	0.077163064	2036.128185	1832.515366	8.51E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	10	20686.96495	0.159774834	0.18189302	1.836382627	1.280101177	519.1270404	467.2143363	0.043245477
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	10	3920.320966	4.042140518	4.426860993	21.18720203	1.190175833	242.2959809	218.0663828	4.02E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	10	78384.29291	0.067694193	0.119308445	1.50346671	0.148714362	1411.481915	989.4614855	0.008365999
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	10	86.9570854	0.016100954	0.018329866	0.113999522	0.305763893	455.2455147	315.9281583	0.009754575
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	10	13926.10546	0.044253574	0.079678247	0.611570864	0.116171214	2036.128467	1832.51562	8.17E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	10	2066.940529	0.798165336	0.908658146	1.476661105	9.085396493	2186.537711	1967.88394	0.100915042
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	10	934.4348842	1.37237377	1.56234307	2.935707996	4.457645774	3268.281135	2941.453021	0.06392239
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	10	3537.355797	0.069400353	0.107755499	1.019359051	0.139019948	2036.128397	1832.515558	8.34E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	10	593.4072622	0.471783328	0.557528587	6.518253473	0.654398591	2036.127946	1832.515151	0.002430641
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	10	1121.741567	1.327175913	1.510888751	2.520378285	9.212002914	2162.205029	1945.984526	0.059000676
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	10	239.1029195	0.697534639	0.79409009	1.324655715	2.844869457	2115.02133	1903.519197	0.042505132
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	10	34.23271401	0.609149975	0.693470877	1.156808493	2.333438716	2114.571217	1903.114096	0.0357341
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	10	118.5109449	0.578909371	0.659044252	1.099379964	2.145677445	2114.560053	1903.104048	0.033370859
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	10	2121.000013	0.659333706	0.750601235	1.252110092	2.642082661	2114.619164	1903.157247	0.039644919
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	10	6312.017007	0.602084999	0.68542794	1.143391726	2.289124886	2114.572228	1903.115005	0.035180641
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	10	8888.387142	0.659981903	0.751339158	1.253341053	2.645828016	2114.622982	1903.160683	0.039694244
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	10	26394.94632	0.602314373	0.685689065	1.143827319	2.290481885	2114.573153	1903.115838	0.035198254
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	10	19.62632869	0.609149975	0.693470877	1.156808493	2.333438716	2114.571217	1903.114096	0.0357341
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	10	67.94479564	0.578909371	0.659044252	1.099379964	2.145677445	2114.560053	1903.104048	0.033370859
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	10	2136.14325	0.499637316	0.568799051	0.948257864	1.803958379	2115.32453	1903.792077	0.027929635
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	10	237.4337421	0.487645131	0.555146861	0.926064274	1.577129208	2114.56631	1903.109679	0.02622609
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	10	9444.527831	0.066230109	0.104204594	0.977015945	0.134295687	2036.128238	1832.515414	8.60E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	10	209.6538672	1.452768899	1.653866805	3.106854261	4.820853865	3268.787224	2941.908502	0.068486986
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	10	6505.147818	1.496703044	1.703882485	3.20386227	5.095473607	3268.253613	2941.428252	0.07165364
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	10	561.4649194	1.496790108	1.7039816	3.204050442	5.095929521	3268.253511	2941.42816	0.07165913
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	10	7318.048138	1.29947302	1.479351116	2.778695149	4.087222998	3268.2508	2941.42572	0.059431683
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	10	2369.009535	1.496703239	1.703882706	3.203862749	5.09547296	3268.253601	2941.428241	0.071653664
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	10	1500.895131	1.800956003	2.050251318	3.859780228	6.651386	3268.248999	2941.4241	0.090515792
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	10	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	10	1310.970579	1.800956003	2.050251318	3.859780228	6.651386	3268.248999	2941.4241	0.090515792
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	10	341.5676655	0.994603171	1.13228	2.110553012	5.253891718	3278.712494	2950.841244	0.056566936
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	10	3485.966581	1.205721458	1.372622098	2.576315046	3.60411122	3268.330723	2941.497651	0.053568
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	10	1452.435873	1.206212284	1.373180867	2.57737954	3.606663113	3268.328894	2941.496005	0.053599653
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	10	995.9412089	1.120069279	1.275113613	2.390256345	3.443686833	3270.193359	2943.174023	0.048897292
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	10	9610.306793	1.503520063	1.711643142	3.218164151	5.123292012	3268.336829	2941.503146	0.072000011
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	10	1082.898292	1.506745047	1.71531454	3.225097668	5.139343443	3268.340794	2941.506715	0.072196271
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	10	49.0648142	0.984454014	1.120725957	2.099546319	2.47963111	3268.292329	2941.463096	0.039898256
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	10	464.1356643	1.948426643	2.463675965	95.12235645	3.382041544	2036.128088	1832.515279	7.83E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	10	1306.530328	0.735302539	0.836074285	9.479170921	1.224404689	2036.128245	1832.51542	0.00132816
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	10	6386.055766	0.921008276	1.048506614	4.995636943	12.58829302	2335.741404	2102.167263	0.372863404
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	10	2638.661276	0.715260341	0.814269452	1.358317774	2.986930916	2114.69283	1903.223547	0.043995762

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San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	15	782327.3374	0.054706236	0.08018233	1.049680232	0.108841201	623.9765006	371.610054	0.005783711
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	15	3325.550888	0.011598388	0.013203993	0.099433814	0.266007196	381.6321457	231.7667529	0.00706514
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	15	114190.7501	0.031724195	0.057213819	1.022623619	0.08796599	725.9347674	446.3947707	0.005762923
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	15	141.688726	0.013056552	0.014864016	0.109696338	0.310053118	381.8903795	228.6375902	0.006697905
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	15	292862.4292	0.031335258	0.057628558	0.987847955	0.091689301	849.0654504	577.9165747	0.005729547
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	15	121.4476244	0.014971411	0.017043956	0.129709578	0.34082117	381.2848573	260.9390361	0.007848287
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	15	440003.3388	0.025981178	0.043240903	0.41850449	0.108409186	1392.429664	1253.186698	7.74E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	15	173499.657	0.138437952	0.157602397	1.371557522	1.198500214	519.0386913	467.1348222	0.036868727
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	15	36760.70984	0.018975166	0.034539739	0.307944761	0.080994605	1392.429713	1253.186742	5.69E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	15	44802.03698	0.126819594	0.144375673	1.295371733	1.081960188	519.1271034	467.214393	0.034325643
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	15	9924.939085	3.131119716	3.427327988	18.30485526	1.14023355	205.0272021	184.5244819	3.10E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	15	198442.7742	0.045286153	0.07972986	1.373894574	0.129750387	1088.148651	762.8005468	0.005557336
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	15	220.1462037	0.012099379	0.013774338	0.103270116	0.279216783	381.7328698	264.9626082	0.007330523
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	15	17591.05974	0.02969671	0.053431895	0.419219916	0.121285725	1392.429649	1253.186684	5.47E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	15	2789.652413	0.405419653	0.461543309	0.886953788	6.717209537	1795.33079	1615.797711	0.07519341
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	15	1142.821508	0.697373925	0.793907128	1.703101286	3.35378834	2683.542122	2415.187909	0.058339735
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	15	4468.286524	0.046591197	0.072257676	0.698750884	0.14514041	1392.429734	1253.186761	5.58E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	15	1186.814489	0.315613977	0.3729759	4.457582411	0.686750904	1392.429516	1253.186564	0.001626052
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	15	2243.483134	0.674406562	0.767760534	1.462154787	6.930812705	1775.357759	1597.821983	0.053847858
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	15	322.7059517	0.354453342	0.403518149	0.768476584	2.140387662	1736.615852	1562.954267	0.03879295
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	15	46.20228217	0.309540534	0.352388335	0.67110286	1.755603733	1736.24627	1562.621643	0.032613266
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	15	159.9486419	0.294173722	0.33489439	0.637786671	1.614338232	1736.237103	1562.613393	0.030456418
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	15	2862.613845	0.335041477	0.381419218	0.72639047	1.987817443	1736.285639	1562.657075	0.036182534
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	15	8519.032139	0.305950455	0.348301304	0.66331935	1.722263441	1736.2471	1562.62239	0.032108144
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	15	11996.23759	0.335370859	0.381794194	0.72710459	1.990635327	1736.288773	1562.659896	0.036227551
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	15	35624.01618	0.306067012	0.348433994	0.663572052	1.723284404	1736.24786	1562.623074	0.032124218
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	15	26.48873169	0.309540534	0.352388335	0.67110286	1.755603733	1736.24627	1562.621643	0.032613266
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	15	91.70189134	0.294173722	0.33489439	0.637786671	1.614338232	1736.237103	1562.613393	0.030456418
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	15	2883.051959	0.25388923	0.289033561	0.550651167	1.348402245	1736.864806	1563.178325	0.02523768
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	15	320.4531415	0.247797653	0.282098765	0.537240508	1.186580948	1736.242241	1562.618017	0.023935637
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	15	11930.05889	0.044460815	0.069876844	0.669725408	0.14020814	1392.429599	1253.186639	5.76E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	15	256.4083948	0.738226838	0.840415061	1.802388895	3.627054347	2683.957665	2415.561898	0.062505682
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	15	7955.849001	0.760552045	0.865830609	1.858666448	3.833669349	2683.519524	2415.167572	0.065395777
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	15	686.6761898	0.760596286	0.865880974	1.858775613	3.834012364	2683.51944	2415.167496	0.065400787
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	15	8950.032742	0.660329293	0.751734635	1.612012942	3.075094238	2683.517214	2415.165493	0.054241223
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	15	2897.318042	0.760552143	0.865830721	1.858666726	3.833668862	2683.519514	2415.167562	0.065395798
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	15	1835.607024	0.915158672	1.041838485	2.239186146	5.004287452	2683.515736	2415.164162	0.082610604
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	15	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	15	1603.327743	0.915158672	1.041838485	2.239186146	5.004287452	2683.515736	2415.164162	0.082610604
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	15	417.7400492	0.505362947	0.575317247	1.237040965	3.775206553	2692.107171	2422.896454	0.046822074
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	15	4263.365648	0.612689286	0.697500113	1.494605552	2.71161658	2683.582838	2415.224554	0.048889644
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	15	1776.340955	0.6129387	0.697784053	1.4952231	2.713536542	2683.581336	2415.223202	0.048918533
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	15	1218.044246	0.56916139	0.647946918	1.387642232	2.581118147	2685.112223	2416.601001	0.044340519
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	15	11753.48383	0.764016124	0.869774199	1.866963442	3.854599016	2683.587851	2415.229066	0.065711897
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	15	1324.393471	0.765654904	0.871639826	1.870985805	3.866675593	2683.591107	2415.231996	0.065891017
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	15	60.00666916	0.500251881	0.569498686	1.218016248	1.865594156	2683.551313	2415.196182	0.036413746
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	15	506.1472101	1.297343173	1.649061224	65.05806055	3.548083622	1392.429656	1253.18669	5.24E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	15	2613.060631	0.49190326	0.559317599	6.482439482	1.284937261	1392.429536	1253.186582	8.89E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	15	12772.11182	0.679915778	0.774038937	3.239972707	9.872639778	2335.74118	2102.167062	0.275258919
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	15	3561.276877	0.363460686	0.413772324	0.788005057	2.247270103	1736.346124	1562.711512	0.040153397

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San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	20	2344703.159	0.038285856	0.056125416	0.960194743	0.097833686	498.3752537	296.8081102	0.004050621
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	20	9966.965245	0.009191383	0.010463778	0.090123513	0.246919975	332.2442147	201.8673598	0.005599051
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	20	342239.6246	0.02231483	0.040202339	0.933738835	0.078880277	579.8187673	356.5447576	0.00403957
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	20	424.65346	0.010329048	0.011758934	0.101062183	0.288574342	332.1473154	198.8564412	0.005298718
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	20	877734.251	0.021962958	0.040374721	0.903331915	0.082338393	678.1645155	461.5928985	0.004013132
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	20	363.989129	0.011879834	0.013524401	0.116073008	0.315659188	332.3745088	227.6289253	0.006230922
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	20	508420.4657	0.018069046	0.030099106	0.301841478	0.113895201	1006.068527	905.4616746	5.40E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	20	190211.668	0.112327901	0.127877847	1.012524793	1.0482917	519.0386751	467.1348076	0.029915112
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	20	42476.71941	0.013204965	0.02404133	0.222101547	0.085093309	1006.068519	905.4616668	3.97E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	20	49117.50708	0.102900817	0.117145735	0.956282142	0.946357621	519.1270257	467.2143231	0.027851664
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	20	29745.90911	2.559177659	2.799598957	16.48361342	1.113380078	178.7357879	160.8622091	2.51E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	20	594750.3083	0.031830431	0.055991841	1.255295503	0.11615688	869.1276581	609.2654507	0.003894194
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	20	659.797357	0.009581177	0.010907532	0.094250278	0.259470544	332.2064397	230.6264503	0.005804941
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	20	18246.24956	0.020689817	0.037244688	0.302773272	0.127086705	1006.068623	905.4617611	3.81E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	20	2958.527635	0.191803526	0.218355553	0.546271267	5.227346563	1473.276102	1325.948492	0.056691939
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	20	2502.24166	0.299815107	0.341316677	0.923459807	2.534972459	2117.047804	1905.343024	0.052393924
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	20	4634.710867	0.032447417	0.050368932	0.504658936	0.152082324	1006.068591	905.4617321	3.89E-04
San Diego (SD)	2035	Annual	PTO	DSL	AllMYr	20	60504.50749	0.263407474	0.299869358	0.810408732	2.049584724	2117.079925	1905.371932	0.043906958
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	20	1610.907651	0.220132701	0.260121401	3.221164052	0.718876982	1006.068514	905.4616623	0.001133891
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	20	3045.16347	0.289940975	0.330075729	0.792813198	5.238678636	1400.580678	1260.52261	0.048359846
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	20	342.2413896	0.152386636	0.173480585	0.416685281	1.61781938	1370.017167	1233.015451	0.034839289
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	20	48.99919932	0.133077715	0.151498848	0.363887059	1.326979123	1369.725604	1232.753044	0.02928942
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	20	169.6313476	0.126471213	0.143977848	0.345822272	1.220203108	1369.718372	1232.746535	0.027352392
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	20	3035.906015	0.144041084	0.16397981	0.393865243	1.502498655	1369.756662	1232.780996	0.032494919
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	20	9034.743181	0.131534267	0.149741751	0.359666664	1.301778749	1369.726259	1232.753633	0.028835778
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	20	12722.44593	0.144182692	0.16414102	0.394252456	1.504628563	1369.759135	1232.783221	0.032535348
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	20	37780.5638	0.131584377	0.149798797	0.359803685	1.302550447	1369.726858	1232.754172	0.028850214
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	20	28.0922626	0.133077715	0.151498848	0.363887059	1.326979123	1369.725604	1232.753044	0.02928942
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	20	97.25318838	0.126471213	0.143977848	0.345822272	1.220203108	1369.718372	1232.746535	0.027352392
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	20	3057.581378	0.109109881	0.124213294	0.29894707	1.018458645	1370.213567	1233.19221	0.022475166
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	20	339.8522025	0.106533206	0.121279945	0.291303882	0.896881294	1369.722425	1232.750183	0.021496189
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	20	12374.3999	0.030964974	0.048709146	0.483695945	0.146914173	1006.068684	905.461816	4.01E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	20	561.4138015	0.317378598	0.361311374	0.97729578	2.741521511	2117.375626	1905.638063	0.05613529
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	20	17419.56786	0.326976654	0.372238031	1.007810735	2.897692171	2117.029977	1905.326979	0.058730835
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	20	1503.497928	0.326995674	0.372259684	1.007869927	2.89795144	2117.02991	1905.326919	0.058735335
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	20	19596.36271	0.283888873	0.323185872	0.874069659	2.324320563	2117.028154	1905.325339	0.04871312
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	20	6343.76397	0.326976696	0.372238079	1.007810886	2.897691803	2117.029968	1905.326972	0.058730855
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	20	4019.116138	0.393445159	0.447907364	1.21413707	3.782507893	2117.026988	1905.324289	0.074191179
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	20	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	20	3510.533749	0.393445159	0.447907364	1.21413707	3.782507893	2117.026988	1905.324289	0.074191179
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	20	914.6542543	0.21640622	0.246362009	0.679524163	2.838711379	2123.804776	1911.424299	0.038431015
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	20	9334.765806	0.263407474	0.299869358	0.810408732	2.049584724	2117.079925	1905.371932	0.043906958
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	20	3889.351318	0.263514702	0.299991429	0.810743581	2.051035934	2117.07874	1905.370866	0.043932903
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	20	2666.944081	0.244626965	0.278489178	0.753087881	1.950131048	2118.286458	1906.457812	0.039605783
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	20	25734.6022	0.328465931	0.37393346	1.012309552	2.913511932	2117.08388	1905.375492	0.059014738
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	20	2899.79887	0.329170476	0.37473553	1.014490567	2.922640054	2117.086448	1905.377804	0.059175602
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	20	131.3863857	0.215068367	0.244838964	0.660435793	1.410115763	2117.055055	1905.34955	0.032702566
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	20	864.9969377	0.901667185	1.147053828	46.8897003	3.736202754	1006.068469	905.4616218	3.65E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	20	3448.329343	0.343017657	0.390027517	4.683739674	1.345469469	1006.068569	905.4617124	6.20E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	20	16854.73458	0.519812882	0.591772437	2.231256664	8.139813807	2335.74127	2102.167143	0.210442434
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	20	3776.863552	0.156259075	0.177889062	0.427274058	1.698606842	1369.804379	1232.823941	0.036061083

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San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	25	6689045.263	0.028261415	0.041438657	0.880591703	0.089349602	413.1080387	246.0271456	0.002992691
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	25	28434.08151	0.007667658	0.008729118	0.082349683	0.233102855	300.1599677	182.4435954	0.004670826
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	25	976352.2431	0.01654202	0.0297777	0.855188154	0.071924697	480.6259301	295.5488913	0.002986697
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	25	1211.46517	0.008620388	0.009813738	0.093359342	0.272899068	299.8323726	179.5095002	0.004422189
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	25	2504028.5	0.016233533	0.029831995	0.828247298	0.075150756	562.1459323	382.6248944	0.002965268
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	25	1038.399923	0.009907263	0.01127876	0.105136556	0.297561231	300.6005179	205.9894321	0.005195642
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	25	391640.5041	0.01304684	0.021782275	0.229413975	0.120221236	768.0121639	691.2109475	3.92E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	25	203577.2351	0.093169667	0.106067466	0.782271706	0.953149797	519.0386391	467.1347752	0.024812899
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	25	32720.16811	0.009550279	0.017396361	0.168807813	0.089819615	768.0121057	691.2108951	2.88E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	25	52568.83473	0.085350431	0.097165789	0.738818972	0.860467229	519.1270788	467.2143709	0.023101386
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	25	84860.08507	2.200290822	2.405716981	15.3517677	1.099883988	160.5105654	144.4595088	2.14E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	25	1696722.874	0.023580287	0.041453413	1.150247861	0.105796998	720.4425608	505.036312	0.002878428
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	25	1882.291274	0.007994312	0.009100993	0.086523105	0.245128687	300.0321935	208.3203805	0.004843489
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	25	20330.53998	0.015030514	0.027056634	0.231002151	0.132897527	768.0121122	691.210901	2.77E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	25	3081.18915	0.147569613	0.167998187	0.462541305	4.598112708	1321.44724	1189.302516	0.048981428
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	25	2581.241642	0.261959907	0.298221413	0.871732845	2.272708424	1975.252917	1777.727625	0.050013733
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	25	5164.139305	0.023572389	0.03659078	0.385031669	0.15903603	768.0121511	691.210936	2.83E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	25	2542.926221	0.159953994	0.189034262	2.458423775	0.751604943	768.0120206	691.2108185	8.24E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	25	4806.995178	0.2533325	0.288399768	0.748404315	4.696693655	1306.773076	1176.095768	0.046162918
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	25	356.4308343	0.133146023	0.151576612	0.393344943	1.450442477	1278.256637	1150.430973	0.033256583
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	25	51.03072284	0.116275081	0.132370328	0.343504177	1.18969207	1277.984602	1150.186142	0.027958838
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	25	176.6643211	0.110502728	0.125798944	0.326451277	1.093962924	1277.977855	1150.180069	0.026109806
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	25	3161.775715	0.125854195	0.143275421	0.371803154	1.347052643	1278.013579	1150.212222	0.031018715
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	25	9409.326716	0.114926512	0.130835085	0.339520185	1.167098885	1277.985213	1150.186692	0.027525804
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	25	13249.92288	0.125977923	0.143416276	0.372168677	1.348962193	1278.015887	1150.214298	0.031057307
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	25	39346.95887	0.114970295	0.130884929	0.339649531	1.167790744	1277.985772	1150.187195	0.027539585
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	25	29.2569774	0.116275081	0.132370328	0.343504177	1.18969207	1277.984602	1150.186142	0.027958838
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	25	101.2853388	0.110502728	0.125798944	0.326451277	1.093962924	1277.977855	1150.180069	0.026109806
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	25	3184.349746	0.09529393	0.108484886	0.282000751	0.917442275	1278.439882	1150.595894	0.021404453
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	25	353.9425907	0.09308213	0.105966919	0.274986697	0.804091446	1277.981636	1150.183473	0.020519644
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	25	13787.9417	0.022495393	0.035385023	0.369037873	0.153631576	768.0122276	691.2110049	2.92E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	25	579.1385803	0.277305799	0.315691544	0.922553233	2.457888254	1975.558782	1778.002904	0.053585134
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	25	17969.53294	0.285691987	0.325238581	0.951358914	2.597901757	1975.236284	1777.712655	0.056062766
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	25	1550.965888	0.285708606	0.3252575	0.95141479	2.598134203	1975.236222	1777.7126	0.056067062
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	25	20215.05287	0.248044548	0.282379836	0.825109252	2.083850222	1975.234584	1777.711125	0.046500144
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	25	6544.047277	0.285692025	0.325238623	0.951359056	2.597901428	1975.236276	1777.712649	0.056062785
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	25	4146.0064	0.343768059	0.391353767	1.146128022	3.391175916	1975.233495	1777.710146	0.070820766
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	25	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	25	3621.367209	0.343768059	0.391353767	1.146128022	3.391175916	1975.233495	1777.710146	0.070820766
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	25	943.5314289	0.188277388	0.214339475	0.636716099	2.632499014	1981.557323	1783.401591	0.035740405
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	25	9629.480076	0.230149167	0.262007308	0.765014248	1.837538096	1975.282887	1777.754598	0.041912319
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	25	4012.144687	0.230242857	0.262113966	0.76533034	1.838839167	1975.281781	1777.753603	0.041937086
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	25	2751.143995	0.21367718	0.243255204	0.710537974	1.753199432	1976.408609	1778.767748	0.037750239
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	25	26547.08691	0.286993226	0.326719942	0.955605733	2.612084832	1975.286577	1777.757919	0.056333772
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	25	2991.350401	0.287608814	0.327420741	0.95766458	2.620268574	1975.288973	1777.760076	0.056487328
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	25	135.5344751	0.187913444	0.213925152	0.623441939	1.264227531	1975.259683	1777.733714	0.031216929
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	25	1128.876181	0.654371841	0.834329866	35.81161964	3.896179534	768.012105	691.2108945	2.66E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	25	5193.431043	0.249331148	0.283501481	3.575471055	1.406001936	768.0120566	691.2108509	4.50E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	25	25384.43905	0.411565837	0.468540335	1.631606271	7.055216647	2335.741352	2102.167216	0.166619406
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	25	3933.453603	0.13652952	0.155428466	0.403340598	1.522871802	1278.058101	1150.252291	0.034422872
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	30	5839810.167	0.022027572	0.032294648	0.810314709	0.082788212	355.5239008	211.7328345	0.002332516

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San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	30	24824.12006	0.006733785	0.007665966	0.075734508	0.223762655	281.3822218	171.0755705	0.004101803
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	30	852395.5281	0.012933299	0.023262674	0.786214374	0.066583576	413.6325621	254.3530587	0.002329114
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	30	1057.658665	0.007589761	0.008640438	0.086476789	0.262200237	280.9196181	168.186443	0.003893486
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	30	2186119.385	0.012662642	0.023262554	0.762018197	0.069607609	483.789458	329.2915442	0.002311304
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	30	906.565677	0.008683988	0.009886142	0.096128781	0.285421499	282.0043666	193.3246305	0.004550573
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	30	346338.7045	0.009899374	0.016518257	0.1851933	0.125159185	619.4336872	557.4903185	2.97E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	30	171844.9671	0.078997988	0.089933954	0.632513921	0.894406656	519.0386911	467.134822	0.021038705
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	30	28935.36648	0.007243419	0.013192636	0.136269259	0.093508848	619.4335904	557.4902313	2.19E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	30	44374.75258	0.072368108	0.082386277	0.59737974	0.807436146	519.1271105	467.2143995	0.019587524
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	30	74086.3402	1.987278763	2.172450932	14.77334171	1.096677665	148.5195499	133.6675949	1.92E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	30	1481308.481	0.01843064	0.032372205	1.057823478	0.097880162	620.0220852	434.6407898	0.002244224
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	30	1643.317247	0.007028447	0.008001419	0.079817555	0.235395273	281.2018096	195.2654723	0.004258202
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	30	22986.57049	0.011397899	0.020511733	0.186417611	0.138588562	619.4336448	557.4902803	2.10E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	30	3704.880382	0.126724145	0.144267009	0.432233745	4.200762668	1240.373975	1116.336577	0.045445955
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	30	4357.854561	0.22844092	0.260062598	0.8355334	2.049209552	1854.073547	1668.666192	0.049669432
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	30	5838.79509	0.017879961	0.027738982	0.310718663	0.165846382	619.4336511	557.4902859	2.14E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	30	3050.842791	0.121155488	0.143198136	1.982421608	0.784328121	619.43355	557.490195	6.24E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	30	5767.130388	0.22091743	0.251497677	0.717326192	4.234819302	1226.604133	1103.943719	0.045845126
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	30	428.5792017	0.11610937	0.13218168	0.377010961	1.307805501	1199.837143	1079.853429	0.033027641
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	30	61.36030991	0.101397144	0.11543293	0.329239875	1.072697372	1199.581797	1079.623617	0.027766365
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	30	212.4245336	0.09636339	0.109702384	0.312895111	0.986382261	1199.575464	1079.617917	0.025930063
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	30	3801.779143	0.109750566	0.124942665	0.356363713	1.214583056	1199.608997	1079.648097	0.030805178
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	30	11313.95307	0.100221131	0.114094128	0.325421322	1.052326008	1199.582371	1079.624133	0.027336313
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	30	15931.95881	0.109858463	0.125065497	0.356714058	1.216304821	1199.611163	1079.650046	0.030843505
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	30	47311.53031	0.100259311	0.114137594	0.325545296	1.052949829	1199.582895	1079.624606	0.027349999
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	30	35.17914504	0.101397144	0.11543293	0.329239875	1.072697372	1199.581797	1079.623617	0.027766365
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	30	121.7874141	0.09636339	0.109702384	0.312895111	0.986382261	1199.575464	1079.617917	0.025930063
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	30	3828.922586	0.083068671	0.094567359	0.270094571	0.831496636	1200.009146	1080.008232	0.021209297
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	30	425.5872904	0.081171839	0.092407959	0.263567641	0.725016837	1199.579013	1079.621112	0.020378384
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	30	15589.23448	0.01706263	0.026824973	0.297811708	0.160210473	619.4335806	557.4902225	2.21E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	30	977.7471675	0.241823234	0.275297344	0.884243429	2.216178739	1854.360648	1668.924583	0.053216247
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	30	30337.57468	0.24913637	0.283622793	0.911852929	2.34242327	1854.057934	1668.652141	0.055676823
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	30	2618.462239	0.249150863	0.283639291	0.911906485	2.342632856	1854.057876	1668.652088	0.055681089
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	30	34128.63752	0.216306096	0.246248024	0.790845891	1.878923727	1854.056338	1668.650704	0.046180031
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	30	11048.1738	0.249136403	0.28362283	0.911853065	2.342422972	1854.057927	1668.652134	0.055676841
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	30	6999.613135	0.299781338	0.341278234	1.098534085	3.057686594	1854.055317	1668.649785	0.070333227
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	30	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	30	6113.876111	0.299781338	0.341278234	1.098534085	3.057686594	1854.055317	1668.649785	0.070333227
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	30	1592.94375	0.163535775	0.186173031	0.60565238	2.459571672	1859.991185	1673.992067	0.034585523
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	30	16257.24341	0.200700512	0.228482256	0.733246383	1.656834014	1854.101678	1668.69151	0.04162379
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	30	6773.617293	0.200782214	0.228575266	0.733549349	1.658007136	1854.10064	1668.690576	0.041648385
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	30	4644.697038	0.186285481	0.212071839	0.680675445	1.585530948	1855.158339	1669.642505	0.037436199
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	30	44818.87395	0.250271109	0.284914607	0.915923395	2.355211576	1854.105142	1668.694628	0.055945962
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	30	5050.23233	0.25080793	0.285525736	0.917896747	2.362590526	1854.107391	1668.696652	0.056098462
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	30	228.8199295	0.163869046	0.186552435	0.597552984	1.139902992	1854.079897	1668.671908	0.031002028
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	30	2061.53981	0.498380241	0.632842877	28.9232878	4.053252835	619.433544	557.4901896	2.01E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	30	6499.960939	0.18891213	0.214802148	2.88376576	1.466534229	619.4335856	557.4902271	3.41E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	30	31770.49241	0.337467441	0.384184222	1.266889661	6.428667875	2335.741247	2102.167123	0.136621203
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	30	4729.659285	0.119059934	0.135540672	0.386591537	1.373112103	1199.650787	1079.685708	0.034185901
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	35	6707664.628	0.018105598	0.026546774	0.747688631	0.0779856	317.5552633	189.1205649	0.00191782
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	35	28513.22862	0.006226806	0.007088804	0.070032223	0.218442008	273.6931863	166.4206386	0.003792747

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San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	35	979069.9715	0.010650951	0.019150256	0.725077723	0.062707481	369.4605817	227.1906634	0.001915659
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	35	1214.837286	0.007049595	0.008025495	0.080318185	0.255995819	273.1752702	163.5499056	0.003616385
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	35	2510998.55	0.010414151	0.019128804	0.703060382	0.065564118	432.1250133	294.1261362	0.001900459
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	35	1041.290408	0.008003214	0.009111126	0.088569782	0.278606923	274.3896503	188.1386718	0.00418807
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	35	129414.2094	0.007738789	0.012959297	0.15676888	0.132326239	527.8464973	475.0618475	2.35E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	35	90689.2631	0.068471826	0.077950618	0.535233022	0.873660443	519.0386733	467.134806	0.018235382
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	35	10812.09566	0.005677173	0.01034833	0.11535397	0.098863502	527.8465167	475.061865	1.73E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	35	23418.28134	0.062725349	0.071408636	0.505502461	0.788707171	519.1270939	467.2143845	0.016977565
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	35	85096.30494	1.887387479	2.062624588	14.74585831	1.104205629	141.6716625	127.5044963	1.82E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	35	1701445.827	0.015173784	0.026643691	0.975747478	0.092168207	553.810045	388.2256666	0.001845609
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	35	1887.530846	0.006511911	0.007413377	0.073947722	0.22980933	273.4911433	189.9197475	0.003945093
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	35	28568.82038	0.008976227	0.016166606	0.158533668	0.144861468	527.8465654	475.0619088	1.66E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	35	4368.542015	0.109099403	0.124202411	0.411132871	3.875328117	1173.093308	1055.783977	0.044188841
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	35	7839.889322	0.199258145	0.226840231	0.814861471	1.864475844	1753.509693	1578.158724	0.05136102
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	35	7256.736629	0.014074205	0.021863818	0.264242043	0.173353048	527.846575	475.0619175	1.69E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	35	3131.305914	0.095500581	0.112954835	1.687191075	0.819064241	527.8465561	475.0619005	4.93E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	35	5919.233815	0.192695763	0.219369458	0.699578827	3.853055578	1160.073849	1044.066465	0.047406471
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	35	505.351325	0.10127668	0.11529579	0.367683334	1.189908452	1134.758686	1021.282817	0.034152461
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	35	72.35188687	0.088443904	0.100686653	0.321094153	0.97599503	1134.517189	1021.06547	0.028712003
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	35	250.4765025	0.084053201	0.095688171	0.305153774	0.897461119	1134.511199	1021.060079	0.026813162
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	35	4482.798324	0.095730197	0.108981542	0.34754692	1.105089895	1134.542914	1021.088622	0.031854308
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	35	13340.64078	0.087418124	0.09951888	0.317370074	0.957460119	1134.517732	1021.065959	0.028267304
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	35	18785.87777	0.09582431	0.109088683	0.347888597	1.106656445	1134.544962	1021.090466	0.03189394
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	35	55786.52541	0.087451427	0.099556793	0.317490981	0.958027704	1134.518228	1021.066405	0.028281456
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	35	41.48084528	0.088443904	0.100686652	0.321094153	0.97599503	1134.517189	1021.06547	0.028712003
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	35	143.6034013	0.084053201	0.095688171	0.305153774	0.897461119	1134.511199	1021.060079	0.026813162
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	35	4514.804019	0.072434104	0.082460713	0.263228528	0.760621726	1134.921359	1021.429224	0.021889696
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	35	501.8234675	0.070802333	0.080603066	0.257046715	0.659657465	1134.514556	1021.063101	0.021072409
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	35	19375.05182	0.013431572	0.02114329	0.253265699	0.16746206	527.8465849	475.0619264	1.75E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	35	1758.991603	0.210930902	0.240128775	0.862366366	2.016392965	1753.781222	1578.4031	0.055028629
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	35	54578.05544	0.217309802	0.247390668	0.88929278	2.131256708	1753.494927	1578.145435	0.057573005
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	35	4710.679043	0.217322443	0.247405059	0.88934501	2.131447401	1753.494873	1578.145385	0.057577416
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	35	61398.27229	0.188673516	0.214790436	0.771279576	1.709541076	1753.493418	1578.144076	0.047752781
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	35	19875.94092	0.217309831	0.2473907	0.889292912	2.131256437	1753.494921	1578.145429	0.057573024
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	35	12592.47905	0.261484998	0.297680766	1.071355258	2.782039928	1753.492452	1578.143207	0.072728561
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	35	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	35	10999.016	0.261484998	0.297680766	1.071355258	2.782039928	1753.492452	1578.143207	0.072728561
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	35	2865.745638	0.14218138	0.161862678	0.586333007	2.319929354	1759.106363	1583.195727	0.034966369
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	35	29247.18741	0.175061508	0.199294201	0.715105137	1.507472476	1753.536299	1578.182669	0.043041368
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	35	12185.90688	0.175132772	0.19937533	0.715400608	1.508539843	1753.535317	1578.181786	0.043066802
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	35	8355.926112	0.162451868	0.184939086	0.663500294	1.447125595	1754.535647	1579.082082	0.038663661
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	35	80630.27492	0.218299581	0.248517456	0.893262538	2.142892164	1753.539575	1578.185617	0.057851311
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	35	9085.494242	0.218767824	0.249050515	0.895187067	2.149605911	1753.541702	1578.187532	0.058009003
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	35	411.6527747	0.142935172	0.162720813	0.582768928	1.037142147	1753.515699	1578.16413	0.032057862
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	35	3666.724905	0.392717964	0.500057762	24.6533147	4.217258153	527.8465528	475.0618976	1.59E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	35	6369.93243	0.149199128	0.169646581	2.45738325	1.527066616	527.8465362	475.0618826	2.69E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	35	31134.93916	0.286566037	0.326236394	1.044527873	6.158094089	2335.741273	2102.167145	0.116014158
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	35	5576.891219	0.103850316	0.118225679	0.377026878	1.249327745	1134.582437	1021.124193	0.035350168
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	40	4062306.231	0.01569681	0.023016186	0.691693283	0.074656824	294.3685846	175.3117186	0.001663451
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	40	17268.2267	0.006065153	0.006904774	0.06507603	0.216853091	276.2122576	167.9456809	0.003693974
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	40	592945.8831	0.009239355	0.016610711	0.670693476	0.060057826	342.4871995	210.6041369	0.001661742

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San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	40	735.731634	0.006907724	0.007863984	0.074799867	0.253966749	275.7124887	165.0689372	0.003543606
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	40	1520714.909	0.009030443	0.016586504	0.650398292	0.062776831	400.5761989	272.6524479	0.001648414
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	40	630.62791	0.007759955	0.008834193	0.082150633	0.276733851	276.8843835	189.8376955	0.004053159
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	40	38200.1248	0.006218755	0.010532439	0.139311271	0.141339191	475.2331339	427.7098205	1.93E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	40	49785.44337	0.060668363	0.069066894	0.473997529	0.883228172	519.0386876	467.1348189	0.016157167
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	40	3191.484295	0.004599701	0.008405636	0.102508279	0.10559725	475.2331273	427.7098146	1.42E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	40	12855.87159	0.055576787	0.063270475	0.447668446	0.797344564	519.1270369	467.2143332	0.015042698
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	40	51536.15498	1.883790857	2.058247303	15.31573436	1.12147318	139.4311108	125.4879997	1.81E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	40	1030432.29	0.013161333	0.023108976	0.902607074	0.088300834	513.3782697	359.8827528	0.001600918
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	40	1143.129314	0.006359479	0.007239844	0.06878024	0.228075011	276.0173304	191.6711263	0.00385253
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	40	35565.23729	0.007363443	0.013279136	0.142411854	0.151279872	475.233184	427.7098656	1.37E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	40	5422.865126	0.094695382	0.107804393	0.399238695	3.621243845	1119.605051	1007.644546	0.045210079
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	40	7398.578091	0.174411584	0.198554312	0.80971706	1.7185073	1673.561357	1506.205221	0.055088499
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	40	9033.888597	0.011530498	0.017960775	0.237370412	0.181033849	475.2332198	427.7098979	1.39E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	40	2113.797306	0.078517365	0.092911719	1.517733258	0.853188217	475.2331273	427.7098145	4.06E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	40	3995.795752	0.168667501	0.19201511	0.695162222	3.551402481	1107.182226	996.4640032	0.050846952
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	40	627.3150008	0.08864795	0.100918943	0.365362063	1.09675133	1083.021264	974.7191379	0.036631044
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	40	89.81360435	0.077415362	0.088131497	0.31906701	0.899585044	1082.790779	974.5117009	0.03079575
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	40	310.9275856	0.073572158	0.083756302	0.303227267	0.8271995	1082.785062	974.5065557	0.028759102
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	40	5564.696271	0.083793088	0.095392052	0.345352775	1.01857316	1082.81533	974.5337973	0.034166105
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	40	16560.32876	0.076517492	0.08710934	0.315366442	0.882501219	1082.791296	974.5121668	0.030318778
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	40	23319.7428	0.083875466	0.095485833	0.345692294	1.020017066	1082.817285	974.5355568	0.034208613
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	40	69250.28688	0.076546642	0.087142525	0.315486586	0.883024368	1082.79177	974.5125929	0.030333956
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	40	51.49201199	0.077415362	0.088131497	0.31906701	0.899585044	1082.790779	974.5117009	0.03079575
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	40	178.2612676	0.073572158	0.083756302	0.303227267	0.8271995	1082.785062	974.5065557	0.028759102
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	40	5604.426359	0.063390228	0.072164949	0.261402622	0.704817546	1083.176521	974.8588693	0.023445652
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	40	622.9357148	0.061973612	0.07055224	0.255423919	0.608013332	1082.788266	974.5094393	0.02260172
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	40	24119.94347	0.011005303	0.017368682	0.227510271	0.174881831	475.2331886	427.7098697	1.44E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	40	1659.977099	0.184628802	0.210185837	0.856922045	1.858530933	1673.820505	1506.438455	0.059022281
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	40	51505.82982	0.190212284	0.216542206	0.883678466	1.964402072	1673.547264	1506.192538	0.061751312
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	40	4445.5126	0.190223349	0.216554802	0.883730367	1.964577835	1673.547212	1506.19249	0.061756044
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	40	57942.1333	0.165146808	0.18800707	0.766410307	1.575702269	1673.545823	1506.191241	0.051218395
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	40	18757.11442	0.190212308	0.216542234	0.883678598	1.964401823	1673.547257	1506.192532	0.061751333
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	40	11883.64221	0.228879039	0.260561363	1.064591541	2.564235917	1673.544901	1506.190411	0.078006769
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	40	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	40	10379.87597	0.228879039	0.260561363	1.064591541	2.564235917	1673.544901	1506.190411	0.078006769
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	40	2704.431404	0.124214203	0.141408415	0.578757979	2.213572059	1678.902855	1511.01257	0.036882942
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	40	27600.84882	0.153232154	0.174443144	0.710590511	1.389453482	1673.586749	1506.228074	0.046165056
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	40	11499.95618	0.153294532	0.174514156	0.710884116	1.390437286	1673.585812	1506.227231	0.046192335
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	40	7885.566916	0.142176342	0.161856943	0.659012521	1.337983373	1674.540533	1507.08648	0.041432627
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	40	76091.55703	0.191078642	0.217528489	0.887623162	1.975126596	1673.589876	1506.230888	0.062049816
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	40	8574.067296	0.191488497	0.217995077	0.889535542	1.981314729	1673.591906	1506.232715	0.062218953
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	40	388.4806373	0.125111823	0.142430287	0.579089772	0.955944995	1673.567089	1506.21038	0.034384432
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	40	3196.37094	0.322388797	0.411761876	22.19542052	4.38559198	475.2332243	427.7099018	1.31E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	40	4592.139952	0.122827632	0.1396609	2.21244248	1.587599136	475.2331824	427.7098642	2.22E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	40	22445.45065	0.252010046	0.28689668	0.914447646	6.201352347	2335.741221	2102.167099	0.10202441
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	40	6922.84228	0.090900666	0.103483488	0.374646619	1.151518727	1082.853052	974.5677465	0.037915674
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	45	2980490.841	0.014370436	0.021068705	0.642229988	0.072477215	283.351908	168.7507012	0.001522058
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	45	12669.5998	0.006225796	0.007087655	0.060749191	0.218886095	289.2261902	175.8243	0.003791436
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	45	435041.0093	0.008451699	0.015195928	0.622870966	0.058369898	329.6668	202.7204663	0.001520283
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	45	539.802137	0.007140695	0.008129206	0.069849022	0.255971046	288.8200003	172.9163982	0.003663119

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San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	45	1115739.91	0.0082648	0.015180921	0.603908411	0.060971003	385.5817271	262.4464243	0.001508272
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	45	462.688099	0.007922345	0.009019063	0.076667998	0.279674283	289.7724887	198.6150652	0.004128681
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	45	47027.71461	0.00536131	0.009068309	0.132952303	0.145373557	452.0558035	406.8502231	1.66E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	45	53734.86473	0.054949932	0.062556841	0.439308569	0.921183925	519.0386453	467.1347808	0.014634238
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	45	3928.997867	0.003961702	0.007237632	0.097829207	0.108611403	452.0557942	406.8502148	1.22E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	45	13875.71383	0.05033827	0.057306772	0.41490631	0.831609516	519.1270621	467.2143559	0.013624815
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	45	37811.78462	1.973243477	2.156010223	16.59291143	1.146330742	141.7369817	127.5632835	1.89E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	45	756022.2986	0.012041573	0.021142535	0.838177122	0.085885858	494.1604031	346.4107566	0.001464712
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	45	838.707493	0.006548124	0.007454604	0.064216046	0.230071755	289.0677559	200.7188509	0.003966548
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	45	32433.06647	0.006337993	0.011413037	0.135681078	0.156458976	452.0558464	406.8502617	1.17E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	45	4440.607313	0.083512089	0.095072959	0.396551207	3.433104731	1079.909429	971.9184862	0.048509677
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	45	10358.48879	0.153901236	0.175204842	0.820100165	1.61130392	1614.228537	1452.805683	0.060851867
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	45	8238.289466	0.009939345	0.015434833	0.226151631	0.187231578	452.0558466	406.8502619	1.19E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	45	1014.149057	0.067333614	0.079696709	1.443097867	0.88658318	452.0557926	406.8502134	3.48E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	45	1917.086617	0.148832642	0.169434633	0.704076377	3.329860012	1067.929262	961.1363356	0.056166568
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	45	513.6878046	0.078223182	0.089051138	0.370047148	1.028334135	1044.62488	940.1623916	0.04046339
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	45	73.54543282	0.068311517	0.077767462	0.323158447	0.843467414	1044.402565	939.9623088	0.034017607
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	45	254.6084641	0.064920264	0.073906779	0.307115589	0.775597402	1044.397051	939.9573461	0.031767884
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	45	4556.748376	0.073939239	0.084174195	0.349781278	0.955032851	1044.426246	939.9836218	0.037740569
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	45	13560.71338	0.067519234	0.076865508	0.319410427	0.827449306	1044.403065	939.9627582	0.033490733
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	45	19095.7772	0.074011929	0.084256948	0.350125151	0.956386683	1044.428132	939.9853189	0.037787524
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	45	56706.80248	0.067544956	0.076894791	0.319532111	0.82793982	1044.403521	939.9631692	0.0335075
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	45	42.16513006	0.068311517	0.077767462	0.323158447	0.843467414	1044.402565	939.9623088	0.034017607
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	45	145.972341	0.064920264	0.073906779	0.307115589	0.775597402	1044.397051	939.9573461	0.031767884
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	45	4589.28205	0.055937043	0.063680066	0.264616855	0.664084095	1044.774632	940.297169	0.025877164
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	45	510.1017501	0.054685677	0.06225548	0.258699253	0.570084436	1044.400142	939.9601274	0.024966315
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	45	21995.73689	0.009485364	0.014926197	0.216757548	0.180868981	452.0559134	406.850322	1.23E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	45	2324.075513	0.162916936	0.18546853	0.867910466	1.742592643	1614.478498	1453.030648	0.065197202
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	45	72111.49959	0.167843814	0.191077406	0.895009988	1.841859362	1614.214943	1452.793449	0.068211746
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	45	6224.005731	0.167853578	0.191088521	0.895062554	1.842024161	1614.214893	1452.793404	0.068216972
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	45	81122.74156	0.145725974	0.165897928	0.776238085	1.477407308	1614.213554	1452.792199	0.056576872
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	45	26261.17574	0.167843836	0.191077431	0.895010122	1.841859128	1614.214937	1452.793443	0.068211768
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	45	16637.86921	0.20196346	0.229920025	1.078242934	2.404274562	1614.212665	1452.791398	0.086167851
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	45	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	45	14532.49903	0.20196346	0.229920025	1.078242934	2.404274562	1614.212665	1452.791398	0.086167851
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	45	3786.379227	0.109634245	0.124810242	0.582927296	2.140499788	1619.380663	1457.442597	0.040335244
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	45	38642.97702	0.135212452	0.153929084	0.719702504	1.302777034	1614.253028	1452.827726	0.050994852
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	45	16100.68391	0.135267494	0.153991746	0.719999874	1.303699466	1614.252125	1452.826913	0.051024985
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	45	11040.30471	0.125458903	0.142825411	0.667212126	1.258104283	1615.172998	1453.655699	0.045743096
San Diego (SD)	2035	Annual	T7 tractc	DSL	AllMYr	45	106533.111	0.168608291	0.191947705	0.899005268	1.851914872	1614.256044	1452.83044	0.068541478
San Diego (SD)	2035	Annual	T7 tractc	DSL	AllMYr	45	12004.24986	0.168969948	0.192359424	0.90094217	1.857716979	1614.258003	1452.832202	0.068728311
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	45	543.8980677	0.110398998	0.125680856	0.586515514	0.896311536	1614.234066	1452.810659	0.037981737
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	45	3382.102157	0.274436329	0.352327014	21.04582919	4.583586233	452.0557959	406.8502163	1.12E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	45	2001.852756	0.105402039	0.119847176	2.104540566	1.648131262	452.0558502	406.8502652	1.90E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	45	9784.65118	0.229515123	0.261287716	0.850071245	6.56509718	2335.741234	2102.167111	0.092917512
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	45	5668.88987	0.080210984	0.0913141	0.37945076	1.079685049	1044.462631	940.0163675	0.041882418
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	50	1950172.565	0.013851275	0.02030911	0.596896479	0.07175887	282.8231074	168.4358236	0.001469168
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	50	8289.878151	0.006738292	0.007671098	0.056969003	0.224769818	314.2437793	190.9699181	0.004103098
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	50	284652.8131	0.008129518	0.014624629	0.579298674	0.057900418	329.0602187	202.3477049	0.001466913
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	50	353.199336	0.00778719	0.008865198	0.065402206	0.262229868	314.0174673	188.0021097	0.003994766
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	50	730042.6348	0.007962149	0.014628093	0.561367735	0.060412139	384.8711075	261.9628231	0.001455792

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San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	50	302.742633	0.008523873	0.009703862	0.071988692	0.287763231	314.5481531	215.4883884	0.004431194
San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	50	347246.0776	0.004901753	0.00821486	0.135332506	0.146651518	454.3217965	408.8896168	1.48E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	50	207487.3379	0.050877585	0.057920746	0.426111927	0.995561343	519.0386902	467.1348211	0.013549693
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	50	29011.1748	0.003597959	0.006559516	0.099580606	0.109566182	454.3217562	408.8895806	1.09E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	50	53578.52363	0.0466077	0.053059765	0.402442737	0.898754701	519.1270787	467.2143708	0.012615079
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	50	24740.72585	2.175346186	2.376563391	18.95979305	1.183927241	149.0086708	134.1078037	2.08E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	50	494674.8778	0.011584807	0.020352637	0.779371598	0.085304877	493.2526865	345.7747434	0.001413488
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	50	548.7768537	0.007110864	0.008095246	0.060180296	0.236022604	314.1555032	218.1119251	0.004307124
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	50	31564.03868	0.005646582	0.010185942	0.136053583	0.163219078	454.3218173	408.8896356	1.05E-04
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	50	4969.76152	0.075549516	0.0860081	0.403070349	3.324715309	1054.006369	948.6057323	0.054087632
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	50	10772.57377	0.137727101	0.15679182	0.846010788	1.542865704	1575.511233	1417.96011	0.068651125
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	50	8017.548527	0.008838787	0.013777478	0.226772508	0.195321264	454.321809	408.8896281	1.07E-04
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	50	507.9166217	0.060371247	0.071395235	1.452535811	0.915948776	454.3217474	408.8895726	3.12E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	50	960.1352104	0.133191186	0.151628027	0.72632129	3.188428172	1042.314957	938.0834615	0.063365322
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	50	574.9001907	0.070002375	0.079692375	0.381738588	0.984656866	1019.569531	917.612578	0.0456495
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	50	82.30929949	0.061132369	0.069594549	0.333368464	0.807642139	1019.352549	917.4172942	0.038377573
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	50	284.9482764	0.058097518	0.066139601	0.31681874	0.742654825	1019.347167	917.4124505	0.035839508
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	50	5099.742464	0.06616865	0.075327971	0.360832429	0.914468967	1019.375662	917.438096	0.0425777
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	50	15176.64355	0.06042335	0.068787385	0.329502027	0.792304382	1019.353036	917.4177328	0.037783171
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	50	21371.28009	0.066233701	0.075402027	0.361187166	0.915765297	1019.377503	917.4397524	0.042630673
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	50	63464.13378	0.06044637	0.068813591	0.329627556	0.792774062	1019.353482	917.4181339	0.037802087
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	50	47.18963755	0.061132369	0.069594549	0.333368464	0.807642139	1019.352549	917.4172942	0.038377573
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	50	163.366788	0.058097518	0.066139601	0.31681874	0.742654825	1019.347167	917.4124505	0.035839508
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	50	5136.152935	0.05007455	0.057006064	0.272871225	0.638421375	1019.715692	917.7441228	0.029184231
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	50	570.8868125	0.048938526	0.055712787	0.266872716	0.545870778	1019.350183	917.4151651	0.028166196
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	50	21406.37429	0.008436454	0.013323254	0.217352616	0.188683743	454.3218386	408.8896547	1.10E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	50	2416.981416	0.145795302	0.165976853	0.895331629	1.668578095	1575.755199	1418.179679	0.073553393
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	50	74994.18731	0.150204394	0.170996269	0.923287346	1.763628578	1575.497966	1417.948169	0.076954304
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	50	6472.812995	0.150213132	0.171006216	0.923341573	1.763786377	1575.497917	1417.948125	0.0769602
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	50	84365.6575	0.130411011	0.148463009	0.800762908	1.414656191	1575.49661	1417.946949	0.063828213
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	50	27310.97736	0.150204414	0.170996291	0.923287484	1.763628354	1575.49796	1417.948164	0.07695433
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	50	17302.97507	0.180738261	0.205756752	1.112309438	2.302155861	1575.495742	1417.946168	0.097211806
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	50	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	50	15113.44183	0.180738261	0.205756752	1.112309438	2.302155861	1575.495742	1417.946168	0.097211806
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	50	3937.741339	0.098441504	0.112068159	0.598840959	2.10071254	1580.539786	1422.485807	0.045323273
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	50	40187.74639	0.1210024	0.137752022	0.742441116	1.24744313	1575.535138	1417.981624	0.057530757
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	50	16744.31557	0.121051658	0.137808098	0.742747882	1.248326383	1575.534256	1417.98083	0.057564752
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	50	11481.64556	0.11229955	0.127844489	0.688099109	1.207488325	1576.433042	1418.789738	0.051595068
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	50	110791.8172	0.150888529	0.171775104	0.927408854	1.773256992	1575.538081	1417.984273	0.077326298
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	50	12484.12483	0.151212178	0.172143554	0.929406952	1.778812661	1575.539992	1417.985993	0.077537076
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	50	565.6406232	0.098796698	0.11247252	0.605046155	0.85824177	1575.516629	1417.964967	0.042849777
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	50	3538.636693	0.243785688	0.315289022	21.14798392	4.751722135	454.3217885	408.8896096	1.00E-04
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	50	1017.088211	0.094281202	0.107202255	2.115089625	1.708663775	454.3217887	408.8896098	1.70E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	50	4971.320894	0.216473681	0.246440897	0.839091963	7.306522824	2335.74121	2102.167089	0.087637786
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	50	6344.409654	0.071781271	0.081717513	0.391439302	1.033826711	1019.411174	917.4700563	0.047250401
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	55	1690896.5	0.014177259	0.020766438	0.559260703	0.071234452	293.8435582	174.9989083	0.001496002
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	55	7187.736527	0.007693505	0.008758543	0.053678411	0.234480798	354.2913415	215.2146635	0.004684236
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	55	246808.1508	0.008291246	0.014915553	0.543249318	0.057629398	341.8538774	210.2140737	0.001492844
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	55	306.241359	0.008958924	0.010199139	0.061404068	0.272629044	354.3530149	212.1509829	0.004595855
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	55	632983.2771	0.008135967	0.014948832	0.526016345	0.060032386	399.8385422	272.1501495	0.001482273
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	55	262.4929	0.009673695	0.011012859	0.068031376	0.301050492	354.2084842	242.4988283	0.005016183

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San Diego (SD)	2035	Annual	LHD1	GAS	AllMYr	55	95509.06358	0.004450096	0.007537244	0.14140233	0.157551317	482.4155221	434.1739699	1.38E-04
San Diego (SD)	2035	Annual	LHD1	DSL	AllMYr	55	124950.7492	0.048154883	0.054821129	0.432551772	1.121178709	519.0386845	467.1348161	0.012824584
San Diego (SD)	2035	Annual	LHD2	GAS	AllMYr	55	7979.442057	0.00329161	0.006015244	0.104046919	0.11770965	482.4154933	434.173944	1.02E-04
San Diego (SD)	2035	Annual	LHD2	DSL	AllMYr	55	32265.47227	0.044113498	0.050220283	0.408524841	1.012157147	519.1270807	467.2143726	0.011939986
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	55	21451.4394	2.500556419	2.734955094	22.52387103	1.21935823	162.2408045	146.0167241	2.40E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	55	428907.6806	0.011828682	0.020764613	0.730601716	0.085062137	512.4253627	359.2139715	0.001438786
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	55	475.81679	0.008146298	0.009274019	0.056616736	0.245870357	354.3154072	245.9543673	0.004933944
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	55	41282.88779	0.005208647	0.009449085	0.143716355	0.17073177	482.415536	434.1739824	9.77E-05
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	55	7282.735719	0.070807661	0.080609812	0.418796176	3.287253378	1041.895704	937.706134	0.061943943
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	55	13136.49433	0.125889178	0.143315246	0.887448927	1.513192652	1557.409446	1401.668502	0.078486273
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	55	10486.22348	0.008100704	0.012787714	0.239544723	0.204311569	482.415537	434.1739833	9.97E-05
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	55	756.0014461	0.0556685	0.066099085	1.531365624	0.963939514	482.4154326	434.1738893	2.91E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	55	1429.099904	0.121743135	0.138595292	0.761896962	3.127106959	1030.339312	927.3053811	0.072443211
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	55	842.4641327	0.06398553	0.072842655	0.400436383	0.965719525	1007.855219	907.0696971	0.052189372
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	55	120.6168196	0.055877919	0.063612757	0.34969706	0.792109221	1007.64073	906.876657	0.043875649
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	55	417.5658774	0.053103919	0.060454769	0.332336721	0.72837177	1007.63541	906.871869	0.040973974
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	55	7473.210448	0.060481321	0.06885338	0.378506227	0.896881509	1007.663578	906.8972199	0.048677497
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	55	22239.99583	0.055229841	0.06287497	0.345641243	0.777066446	1007.641212	906.8770906	0.043196092
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	55	31317.67433	0.060540781	0.06892107	0.37887834	0.898152908	1007.665397	906.8988572	0.04873806
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	55	93000.93702	0.055250882	0.062898924	0.34577292	0.777527093	1007.641652	906.8774871	0.043217718
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	55	69.15213756	0.055877919	0.063612757	0.34969706	0.792109221	1007.64073	906.876657	0.043875649
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	55	239.3992238	0.053103919	0.060454769	0.332336721	0.72837177	1007.63541	906.871869	0.040973974
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	55	7526.566694	0.045802749	0.052142943	0.286165732	0.627829385	1007.999701	907.1997306	0.033366854
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	55	836.5828907	0.044732161	0.050924161	0.279944309	0.535372358	1007.638392	906.8745525	0.032201363
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	55	27997.58984	0.007736313	0.012365486	0.229594273	0.197368514	482.4155247	434.1739723	1.03E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	55	2947.360897	0.133263901	0.151710808	0.939185534	1.636487288	1557.650609	1401.885548	0.084090853
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	55	91450.82113	0.137294023	0.156298794	0.968510539	1.72970972	1557.396332	1401.656699	0.087978988
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	55	7893.199255	0.13730201	0.156307886	0.968567423	1.729864484	1557.396283	1401.656655	0.087985729
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	55	102878.7554	0.119201922	0.135702314	0.839984778	1.387448919	1557.394991	1401.655492	0.072972418
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	55	33304.06522	0.137294041	0.156298815	0.968510684	1.7297095	1557.396326	1401.656693	0.087979017
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	55	21099.91901	0.165203442	0.188071544	1.166791053	2.257879816	1557.394133	1401.65472	0.111138635
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	55	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	55	18429.91724	0.165203442	0.188071544	1.166791053	2.257879816	1557.394133	1401.65472	0.111138635
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	55	4801.834539	0.090635983	0.103182167	0.626498967	2.094210316	1562.380223	1406.142201	0.05184703
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	55	49006.49688	0.110602	0.125911958	0.778806348	1.223451771	1557.433076	1401.689769	0.065772771
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	55	20418.66794	0.110647024	0.125963214	0.779128139	1.224318037	1557.432205	1401.688984	0.065811636
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	55	14001.16398	0.102698284	0.116914179	0.72167347	1.186135497	1558.320664	1402.488598	0.058988544
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	55	135103.8396	0.137919355	0.157010687	0.972833922	1.739152957	1557.435986	1401.692387	0.088404275
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	55	15223.62609	0.138215186	0.157347468	0.974929887	1.744601776	1557.437875	1401.694088	0.08864525
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	55	689.7641179	0.090304922	0.10280528	0.634681695	0.841735698	1557.414781	1401.673303	0.048988554
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	55	5194.456466	0.228409849	0.294592464	22.506034	4.895520549	482.41552	434.173968	9.36E-05
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	55	1260.98374	0.087907209	0.099954715	2.245879586	1.769196177	482.4155087	434.1739578	1.59E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	55	6163.432962	0.211445874	0.240717078	0.879470798	8.548599989	2335.741259	2102.167133	0.085602309
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	55	9297.157425	0.065611525	0.074693727	0.410612245	1.013943715	1007.698681	906.9288129	0.054019623
San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	60	1926917.21	0.015208905	0.022280671	0.52303153	0.072906413	316.0295503	188.2118398	0.001607
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	60	8191.023417	0.009270536	0.010553889	0.050842445	0.249252645	414.5301537	251.6831671	0.005643832
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	60	281258.3923	0.008856273	0.015950273	0.508831151	0.059199677	367.670948	226.0897733	0.0016024
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	60	348.987514	0.010873408	0.012378651	0.057806199	0.288458751	415.0249313	248.4752311	0.00557797
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	60	721337.0443	0.008718533	0.016026288	0.49209192	0.061531675	430.0338317	292.7026349	0.0015921
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	60	299.132492	0.01158929	0.013193635	0.064759377	0.32125223	413.8647613	283.1273917	0.005994725
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	60	24445.69939	3.042581169	3.3267819	28.81996631	1.279076485	183.2156188	164.8940569	2.91E-04

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San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	60	488775.9806	0.012640294	0.022216208	0.683956064	0.087599047	551.1250802	386.3429746	0.001544811
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	60	542.2328064	0.009847684	0.011210933	0.053485147	0.260854361	414.7231432	287.8344208	0.005964012
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	60	47638.57079	0.00502626	0.009161577	0.160817956	0.177107631	541.2091677	487.0882509	9.50E-05
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	60	8751.427242	0.069286529	0.078878103	0.443728692	3.316924635	1043.577627	939.2198647	0.07207861
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	60	4001.835106	0.118387469	0.134775121	0.944414583	1.522284764	1559.923176	1403.930859	0.090357311
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	60	12100.62379	0.007776921	0.012403889	0.26804949	0.211941446	541.2091936	487.0882743	9.69E-05
San Diego (SD)	2035	Annual	SBUS	GAS	AllMYr	60	420.7502839	0.054243188	0.064346756	1.72083361	0.993224505	541.2091227	487.0882104	2.82E-04
San Diego (SD)	2035	Annual	SBUS	DSL	AllMYr	60	795.3612108	0.114488487	0.130336428	0.810803394	3.145896375	1032.002327	928.8020943	0.083400236
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	60	1012.361837	0.060172645	0.068501976	0.426140535	0.97152211	1009.481943	908.533749	0.060083007
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	60	144.9413219	0.052548165	0.059822086	0.372144237	0.796868658	1009.267108	908.3403973	0.050511835
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	60	501.7753779	0.049939467	0.056852282	0.353669531	0.732748237	1009.26178	908.3356016	0.047171282
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	60	8980.314722	0.056877252	0.064750422	0.402802674	0.902270477	1009.289993	908.3609934	0.056039962
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	60	26725.082	0.051938707	0.059128264	0.367828075	0.781735497	1009.267591	908.3408316	0.049729495
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	60	37633.43396	0.056933168	0.064814078	0.403198673	0.903549515	1009.291815	908.3626334	0.056109685
San Diego (SD)	2035	Annual	T6 instal	DSL	AllMYr	60	111756.211	0.051958494	0.05915079	0.367968205	0.782198912	1009.268032	908.3412288	0.049754391
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	60	83.09788187	0.052548165	0.059822086	0.372144237	0.796868658	1009.267108	908.3403973	0.050511835
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	60	287.6782861	0.049939467	0.056852282	0.353669531	0.732748237	1009.26178	908.3356016	0.047171282
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	60	9044.431193	0.043121639	0.049090704	0.304500377	0.632308124	1009.626658	908.6639923	0.038425034
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	60	1005.294539	0.042066581	0.047889601	0.297914032	0.538589176	1009.264766	908.3382894	0.037071814
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	60	32307.94022	0.007430511	0.011993842	0.256914997	0.204739132	541.209238	487.0883142	1.00E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	60	897.8690971	0.125322734	0.142670393	0.999472181	1.646320223	1560.164728	1404.148255	0.096809583
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	60	27859.11501	0.129112702	0.146984982	1.030679569	1.740102787	1559.91004	1403.919036	0.101285798
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	60	2404.544247	0.129120212	0.146993533	1.030740104	1.740258482	1559.909992	1403.918992	0.101293558
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	60	31340.46303	0.112098704	0.127615842	0.893903694	1.395785491	1559.908698	1403.917828	0.084009486
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	60	10145.58177	0.129112718	0.146985002	1.030679723	1.740102567	1559.910034	1403.919031	0.101285831
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	60	6427.77247	0.155359004	0.1768644	1.241687777	2.271446427	1559.907838	1403.917054	0.127948338
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	60	0	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	60	5614.396652	0.155359004	0.1768644	1.241687777	2.271446427	1559.907838	1403.917054	0.127948338
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	60	1462.806556	0.086217679	0.098152265	0.665901321	2.120993116	1564.901976	1408.411779	0.059906516
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	60	14929.09102	0.10401125	0.118408891	0.828798199	1.230802956	1559.946844	1403.95216	0.075720893
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	60	6220.239593	0.104053591	0.118457093	0.829140646	1.231674427	1559.945971	1403.951374	0.075765636
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	60	4265.24369	0.096655104	0.110034479	0.767935209	1.194045801	1560.835865	1404.752278	0.067923522
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	60	41157.34949	0.12970077	0.147654454	1.035280471	1.749602765	1559.949759	1403.954783	0.101775409
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	60	4637.648354	0.129978972	0.147971166	1.037510977	1.755084324	1559.951651	1403.956486	0.102052832
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	60	210.1262477	0.084923671	0.096679135	0.675422135	0.846793319	1559.928519	1403.935667	0.056398066
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	60	1282.000741	0.216330048	0.285005025	25.0964644	5.118698123	541.2092116	487.0882904	9.10E-05
San Diego (SD)	2035	Annual	UBUS	GAS	AllMYr	60	2063.928681	0.085437218	0.097146217	2.519592951	1.829728655	541.2092057	487.0882851	1.54E-04
San Diego (SD)	2035	Annual	UBUS	DSL	AllMYr	60	10088.06506	0.213891541	0.243501289	0.978793141	10.51462939	2335.74145	2102.167305	0.086592412
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	60	11172.09267	0.061701749	0.070242744	0.436969588	1.020036058	1009.325153	908.3926374	0.062190083

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San Diego (SD)	2035	Annual	LDA	GAS	AllMYr	65	20,565,369.59	0.017132493	0.025136923	0.489030745	0.076434517	352.1952397	209.7505541	0.001821065
San Diego (SD)	2035	Annual	LDA	DSL	AllMYr	65	87,420.16	0.011793197	0.013425771	0.048448742	0.269829086	503.374384	305.4693559	0.007178929
San Diego (SD)	2035	Annual	LDT1	GAS	AllMYr	65	3,001,780.53	0.009929242	0.017924637	0.476775408	0.062368775	409.7786813	251.9837295	0.001814241
San Diego (SD)	2035	Annual	LDT1	DSL	AllMYr	65	3,724.63	0.013922277	0.015849585	0.054566279	0.310342428	504.5080122	302.0487093	0.007142015
San Diego (SD)	2035	Annual	LDT2	GAS	AllMYr	65	7,698,598.31	0.009818822	0.018063037	0.460327342	0.064636329	479.2792736	326.2218634	0.001803976
San Diego (SD)	2035	Annual	LDT2	DSL	AllMYr	65	3,192.55	0.014665248	0.01669541	0.062182701	0.349544996	501.8498299	343.0491148	0.007568677
San Diego (SD)	2035	Annual	MCY	GAS	AllMYr	65	260,901.07	3.908216609	4.266343563	39.64565465	1.360308264	214.895164	193.4056476	3.72E-04
San Diego (SD)	2035	Annual	MDV	GAS	AllMYr	65	5,216,549.29	0.014164488	0.02498226	0.64042158	0.092591843	614.2482714	430.593957	0.00174962
San Diego (SD)	2035	Annual	MDV	DSL	AllMYr	65	5,787.08	0.012563775	0.014303022	0.050761309	0.281663863	503.8165784	349.6019688	0.007608482
San Diego (SD)	2035	Annual	MH	GAS	AllMYr	65	7,444.13	0.005146733	0.00934381	0.191893855	0.180437738	641.4979625	577.3481662	9.62E-05
San Diego (SD)	2035	Annual	MH	DSL	AllMYr	65	1,377.23	0.070986112	0.080812966	0.477867871	3.408872239	1059.052175	953.1469579	0.084491632
San Diego (SD)	2035	Annual	Motor C	DSL	AllMYr	65	2,191.89	0.115221972	0.131171445	1.016907757	1.570142039	1583.052423	1424.747181	0.104264239
San Diego (SD)	2035	Annual	OBUS	GAS	AllMYr	65	1,890.88	0.007995344	0.012646414	0.319846424	0.215926514	641.4979679	577.3481711	9.81E-05
San Diego (SD)	2035	Annual	T6 Ag	DSL	AllMYr	65	159.32	0.058563723	0.06667034	0.458851041	1.002064623	1024.449704	922.0047336	0.069330405
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	65	22.81	0.051143109	0.058222537	0.400709993	0.821920451	1024.231683	921.8085151	0.05828613
San Diego (SD)	2035	Annual	T6 CAIR	DSL	AllMYr	65	78.97	0.048604164	0.055332141	0.380817171	0.755784226	1024.226276	921.8036482	0.054431432
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	65	1,413.25	0.055356443	0.063019096	0.433721769	0.930635871	1024.254907	921.8294165	0.064665093
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	65	4,205.77	0.050549947	0.057547267	0.396062523	0.806311537	1024.232173	921.8089558	0.05738338
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	65	5,922.43	0.055410864	0.063081051	0.434148165	0.931955119	1024.256756	921.8310808	0.064745548
San Diego (SD)	2035	Annual	T6 instat	DSL	AllMYr	65	17,587.25	0.050569205	0.05756919	0.396213409	0.806789521	1024.232621	921.8093589	0.057412108
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	65	13.08	0.051143109	0.058222537	0.400709993	0.821920451	1024.231683	921.8085151	0.05828613
San Diego (SD)	2035	Annual	T6 OOS	DSL	AllMYr	65	45.27	0.048604164	0.055332141	0.380817171	0.755784226	1024.226276	921.8036482	0.054431432
San Diego (SD)	2035	Annual	T6 Publi	DSL	AllMYr	65	1,423.34	0.042031221	0.047849346	0.32787516	0.651857594	1024.596565	922.1369081	0.044358769
San Diego (SD)	2035	Annual	T6 utility	DSL	AllMYr	65	158.20	0.040941786	0.046609107	0.320781884	0.555521232	1024.229307	921.8063759	0.042777551
San Diego (SD)	2035	Annual	T6TS	GAS	AllMYr	65	5,048.52	0.007636392	0.012228753	0.306560329	0.208588758	641.4979245	577.3481321	1.01E-04
San Diego (SD)	2035	Annual	T7 Ag	DSL	AllMYr	65	491.78	0.121971799	0.138855609	1.07619157	1.6980769	1583.297556	1424.967801	0.111709582
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	65	15,259.00	0.125660429	0.143054833	1.109794434	1.794807781	1583.039092	1424.735183	0.116874733
San Diego (SD)	2035	Annual	T7 CAIR	DSL	AllMYr	65	1,317.02	0.125667739	0.143063155	1.109859615	1.79496837	1583.039043	1424.735138	0.116883688
San Diego (SD)	2035	Annual	T7 NNO	DSL	AllMYr	65	17,165.80	0.10910136	0.124203593	0.962519656	1.439665909	1583.03773	1424.733957	0.096939417
San Diego (SD)	2035	Annual	T7 NOO	DSL	AllMYr	65	5,556.94	0.125660445	0.143054852	1.1097946	1.794807553	1583.039086	1424.735177	0.116874772
San Diego (SD)	2035	Annual	T7 other	DSL	AllMYr	65	3,520.62	0.151204947	0.172135322	1.336999612	2.342855693	1583.036857	1424.733172	0.147640915
San Diego (SD)	2035	Annual	T7 POAI	DSL	AllMYr	65	-	0	0	0	0	0	0	0
San Diego (SD)	2035	Annual	T7 POL/	DSL	AllMYr	65	3,075.12	0.151204947	0.172135322	1.336999612	2.342855693	1583.036857	1424.733172	0.147640915
San Diego (SD)	2035	Annual	T7 Publi	DSL	AllMYr	65	801.21	0.085186594	0.096978453	0.71704802	2.181060938	1588.105044	1429.29454	0.069501729
San Diego (SD)	2035	Annual	T7 Singl	DSL	AllMYr	65	8,176.96	0.101230151	0.115242821	0.89241667	1.269496687	1583.076442	1424.768798	0.087375124
San Diego (SD)	2035	Annual	T7 singl	DSL	AllMYr	65	3,406.95	0.10127136	0.115289735	0.892785403	1.270395555	1583.075556	1424.768	0.087426754
San Diego (SD)	2035	Annual	T7 SWC	DSL	AllMYr	65	2,336.16	0.094170011	0.107205389	0.826884325	1.231219236	1583.978644	1425.58078	0.078400004
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	65	22,542.71	0.126232773	0.143706403	1.114748501	1.804606417	1583.079399	1424.771459	0.117439701
San Diego (SD)	2035	Annual	T7 tract	DSL	AllMYr	65	2,540.13	0.126503537	0.144014647	1.11715022	1.810260304	1583.08132	1424.773188	0.117759821
San Diego (SD)	2035	Annual	T7 utility	DSL	AllMYr	65	115.09	0.082652945	0.094094086	0.727267473	0.873414633	1583.057845	1424.752061	0.065078313
San Diego (SD)	2035	Annual	T7IS	GAS	AllMYr	65	687.13	0.222189215	0.288924964	29.79582343	5.278053892	641.4978935	577.3481042	9.22E-05
San Diego (SD)	2035	Annual	All Other	DSL	AllMYr	65	1,758.17	0.06005194	0.068364562	0.470511332	1.052103742	1024.290589	921.8615297	0.071761782

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ATTACHMENT 3

AERMOD Data Sheets

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```
 **MODELOPTs:  RegDFAULT CONC                                              ELEV

                                              ***     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 RURAL Dispersion Only.

 **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.

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates ANNUAL Averages

 **This Run Includes:    859 Source(s);       1 Source Group(s); and    3528 Receptor
(s)

 **The Model Assumes A Pollutant Type of:  PM_10

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =     9.00 ;  Decay Coef.
=    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;
```


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```
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.3 MB of RAM.

 **Detailed Error/Message File:   Otay Mesa Ex CP Buildout.err
 **File for Summary of Results:   Otay Mesa Ex CP Buildout.sum
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** 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 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

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\AERMET\Otay Mesa.SFC
Met Version: 11059
Profile file: ..\AERMET\Otay Mesa.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN
Year: 1990 Year: 1990

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
90	01	01	1	01	-28.1	0.276	-9.000	-9.000	-999.	334.	67.5	1.00	1.62	0.62	2.10	331.	10.0	283.1	2.0
90	01	01	1	02	-11.6	0.130	-9.000	-9.000	-999.	122.	17.2	1.00	1.62	1.00	1.50	328.	10.0	282.0	2.0
90	01	01	1	03	-29.4	0.261	-9.000	-9.000	-999.	306.	54.4	1.00	1.62	1.00	2.10	344.	10.0	282.5	2.0
90	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	08	-29.3	0.262	-9.000	-9.000	-999.	308.	55.3	1.00	1.62	1.00	2.10	3.	10.0	283.1	2.0
90	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	286.4	2.0
90	01	01	1	10	-42.2	0.382	-9.000	-9.000	-999.	543.	119.1	1.00	1.62	1.00	2.60	171.	10.0	288.1	2.0
90	01	01	1	11	-42.1	0.382	-9.000	-9.000	-999.	544.	119.8	1.00	1.62	1.00	2.60	184.	10.0	289.2	2.0
90	01	01	1	12	-61.1	0.582	-9.000	-9.000	-999.	1021.	291.2	1.00	1.62	1.00	3.60	216.	10.0	289.9	2.0
90	01	01	1	13	-64.0	0.773	-9.000	-9.000	-999.	1562.	652.3	1.00	1.62	1.00	4.60	203.	10.0	289.9	2.0
90	01	01	1	14	-64.0	0.773	-9.000	-9.000	-999.	1564.	652.3	1.00	1.62	1.00	4.60	229.	10.0	289.9	2.0
90	01	01	1	15	-61.5	0.680	-9.000	-9.000	-999.	1302.	462.4	1.00	1.62	1.00	4.10	232.	10.0	289.2	2.0
90	01	01	1	16	-23.5	0.610	-9.000	-9.000	-999.	1103.	873.9	1.00	1.62	0.52	3.60	264.	10.0	288.8	2.0
90	01	01	1	17	48.0	0.561	-9.000	-9.000	-999.	971.	-332.9	1.00	1.62	0.32	3.10	201.	10.0	288.1	2.0

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 90 01 01   1 18   50.2  0.644 -9.000 -9.000 -999. 1187.   -480.1  1.00   1.62   0.26
3.60  227.   10.0  288.1    2.0
 90 01 01   1 19  142.8  0.513 -9.000 -9.000 -999.  860.    -85.3  1.00   1.62   0.24
2.60  224.   10.0  287.5    2.0
 90 01 01   1 20  160.1  0.517 -9.000 -9.000 -999.  856.    -78.1  1.00   1.62   0.23
2.60  217.   10.0  287.5    2.0
 90 01 01   1 21  158.4  0.594 -9.000 -9.000 -999. 1052.   -119.4  1.00   1.62   0.23
3.10  220.   10.0  287.5    2.0
 90 01 01   1 22  122.9  0.665 -9.000 -9.000 -999. 1244.   -215.6  1.00   1.62   0.24
3.60  222.   10.0  287.5    2.0
 90 01 01   1 23   43.4  0.642 -9.000 -9.000 -999. 1184.   -549.7  1.00   1.62   0.27
3.60  190.   10.0  287.5    2.0
 90 01 01   1 24    2.5  0.713 -9.000 -9.000 -999. 1382.  -8888.0  1.00   1.62   0.36
4.10  230.   10.0  287.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 90 01 01 01   10.0 1  331.    2.10   283.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	9850.75860 AT	(503685.74, 3604615.94, 0.00, 0.00, 0.00)	GC	UCART6
	2ND HIGHEST VALUE IS	9615.16327 AT	(503535.74, 3604465.94, 0.00, 0.00, 0.00)	GC	UCART6
	3RD HIGHEST VALUE IS	9444.09226 AT	(498321.32, 3603284.90, 0.00, 0.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	8716.78565 AT	(503535.74, 3604315.94, 0.00, 0.00, 0.00)	GC	UCART6
	5TH HIGHEST VALUE IS	8648.80363 AT	(498621.32, 3603284.90, 0.00, 0.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	8575.10203 AT	(503537.15, 3602835.14, 0.00, 0.00, 0.00)	GC	UCART5
	7TH HIGHEST VALUE IS	8483.28469 AT	(505613.59, 3601933.99, 0.00, 0.00, 0.00)	GC	UCART7
	8TH HIGHEST VALUE IS	8307.34260 AT	(500854.52, 3602984.79, 0.00, 0.00, 0.00)	GC	UCART3
	9TH HIGHEST VALUE IS	8176.96142 AT	(498621.32, 3603134.90, 0.00, 0.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	7922.98830 AT	(503535.74, 3604165.94, 0.00, 0.00, 0.00)	GC	UCART6

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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**MODELOPTs: RegDFAULT CONC ELEV

*** 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
ALL HIGH 1ST HIGH VALUE IS	142352.41215	ON 92092408:	AT (503685.74, 3604615.94, 0.00, 0.00, 0.00)	GC	UCART6

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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**MODELOPTs: RegDFAULT CONC ELEV

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 12293 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 1462 Calm Hours Identified

A Total of 10831 Missing Hours Identified (41.18 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
Data May Not Be Acceptable for Regulatory Applications.
See Section 5.3.2 of "Meteorological Monitoring Guidance
for Regulatory Modeling Applications" (EPA-454/R-99-005).

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
*** NONE ***

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```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.0
** Lakes Environmental Software Inc.
** Date: 10/21/2012
** File: C:\AERMOD\Otay Mesa CPU\Otay Mesa Ex CP Buildout\Otay Mesa Ex CP
Buildout.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE L:\DRAFT\3957-1\Air\HRA\AERMOD\Otay Mesa Existing\Otay Mesa Existing
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Otay Mesa Ex CP Buildout.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_A
** DESCRSRC I_905_Sempre-Border
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 74.4202451
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 5
** 505727.82, 3601420.01, 0.00, 4.27, 23.26
** 505711.10, 3601611.75, 0.00, 4.27, 23.26
** 505726.41, 3601719.49, 0.00, 4.27, 23.26
** 505690.91, 3601898.02, 0.00, 4.27, 23.26
** 505643.14, 3601999.74, 0.00, 4.27, 23.26
** -------------------------------------------------------------------
   LOCATION L0003988     VOLUME   505725.647 3601444.921 0.0
   LOCATION L0003989     VOLUME   505721.305 3601494.732 0.0
   LOCATION L0003990     VOLUME   505716.962 3601544.543 0.0
   LOCATION L0003991     VOLUME   505712.620 3601594.354 0.0
   LOCATION L0003992     VOLUME   505715.679 3601643.964 0.0
   LOCATION L0003993     VOLUME   505722.711 3601693.468 0.0
   LOCATION L0003994     VOLUME   505721.781 3601742.751 0.0
   LOCATION L0003995     VOLUME   505712.030 3601791.791 0.0
```


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```
   LOCATION L0003996     VOLUME   505702.279 3601840.831 0.0
   LOCATION L0003997     VOLUME   505692.529 3601889.871 0.0
   LOCATION L0003998     VOLUME   505673.187 3601935.758 0.0
   LOCATION L0003999     VOLUME   505651.936 3601981.017 0.0
** End of LINE VOLUME Source ID = I_905_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_B
** DESCRSRC I-905_Simpre-SR-125
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 118.8344204
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 3
** 505643.15, 3601999.73, 0.00, 4.27, 23.26
** 505606.12, 3602064.34, 0.00, 4.27, 23.26
** 505217.50, 3602534.52, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0004000     VOLUME   505630.716 3602021.424 0.0
   LOCATION L0004001     VOLUME   505605.780 3602064.754 0.0
   LOCATION L0004002     VOLUME   505573.926 3602103.293 0.0
   LOCATION L0004003     VOLUME   505542.071 3602141.832 0.0
   LOCATION L0004004     VOLUME   505510.216 3602180.371 0.0
   LOCATION L0004005     VOLUME   505478.361 3602218.911 0.0
   LOCATION L0004006     VOLUME   505446.507 3602257.450 0.0
   LOCATION L0004007     VOLUME   505414.652 3602295.989 0.0
   LOCATION L0004008     VOLUME   505382.797 3602334.528 0.0
   LOCATION L0004009     VOLUME   505350.942 3602373.068 0.0
   LOCATION L0004010     VOLUME   505319.088 3602411.607 0.0
   LOCATION L0004011     VOLUME   505287.233 3602450.146 0.0
   LOCATION L0004012     VOLUME   505255.378 3602488.685 0.0
   LOCATION L0004013     VOLUME   505223.523 3602527.225 0.0
** End of LINE VOLUME Source ID = I_905_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_C
** DESCRSRC I-905_SR-125-LaMedia
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 139.6028609
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 9
** 505216.54, 3602535.58, 0.00, 4.27, 23.26
** 505081.69, 3602686.63, 0.00, 4.27, 23.26
** 504972.76, 3602784.06, 0.00, 4.27, 23.26
** 504860.21, 3602857.56, 0.00, 4.27, 23.26
** 504755.12, 3602907.67, 0.00, 4.27, 23.26
** 504705.68, 3602926.33, 0.00, 4.27, 23.26
** 504548.75, 3602963.98, 0.00, 4.27, 23.26
** 504475.80, 3602970.59, 0.00, 4.27, 23.26
** 503524.10, 3602978.42, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0004014     VOLUME   505199.887 3602554.225 0.0
   LOCATION L0004015     VOLUME   505166.590 3602591.525 0.0
   LOCATION L0004016     VOLUME   505133.292 3602628.824 0.0
   LOCATION L0004017     VOLUME   505099.994 3602666.124 0.0
```


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```
   LOCATION L0004018     VOLUME   505064.909 3602701.638 0.0
   LOCATION L0004019     VOLUME   505027.641 3602734.970 0.0
   LOCATION L0004020     VOLUME   504990.372 3602768.303 0.0
   LOCATION L0004021     VOLUME   504950.680 3602798.475 0.0
   LOCATION L0004022     VOLUME   504908.817 3602825.815 0.0
   LOCATION L0004023     VOLUME   504866.954 3602853.154 0.0
   LOCATION L0004024     VOLUME   504822.348 3602875.612 0.0
   LOCATION L0004025     VOLUME   504777.217 3602897.132 0.0
   LOCATION L0004026     VOLUME   504731.244 3602916.681 0.0
   LOCATION L0004027     VOLUME   504683.630 3602931.620 0.0
   LOCATION L0004028     VOLUME   504635.010 3602943.285 0.0
   LOCATION L0004029     VOLUME   504586.390 3602954.951 0.0
   LOCATION L0004030     VOLUME   504537.505 3602965.002 0.0
   LOCATION L0004031     VOLUME   504487.709 3602969.515 0.0
   LOCATION L0004032     VOLUME   504437.759 3602970.907 0.0
   LOCATION L0004033     VOLUME   504387.760 3602971.318 0.0
   LOCATION L0004034     VOLUME   504337.762 3602971.729 0.0
   LOCATION L0004035     VOLUME   504287.764 3602972.140 0.0
   LOCATION L0004036     VOLUME   504237.765 3602972.552 0.0
   LOCATION L0004037     VOLUME   504187.767 3602972.963 0.0
   LOCATION L0004038     VOLUME   504137.769 3602973.374 0.0
   LOCATION L0004039     VOLUME   504087.771 3602973.785 0.0
   LOCATION L0004040     VOLUME   504037.772 3602974.196 0.0
   LOCATION L0004041     VOLUME   503987.774 3602974.607 0.0
   LOCATION L0004042     VOLUME   503937.776 3602975.018 0.0
   LOCATION L0004043     VOLUME   503887.777 3602975.429 0.0
   LOCATION L0004044     VOLUME   503837.779 3602975.840 0.0
   LOCATION L0004045     VOLUME   503787.781 3602976.252 0.0
   LOCATION L0004046     VOLUME   503737.782 3602976.663 0.0
   LOCATION L0004047     VOLUME   503687.784 3602977.074 0.0
   LOCATION L0004048     VOLUME   503637.786 3602977.485 0.0
   LOCATION L0004049     VOLUME   503587.787 3602977.896 0.0
   LOCATION L0004050     VOLUME   503537.789 3602978.307 0.0
** End of LINE VOLUME Source ID = I_905_C
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_H
** DESCRSRC I-905_Caliente-I-805
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 254.9975084
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 10
** 498211.33, 3603374.87, 0.00, 0.00, 23.26
** 498078.80, 3603426.47, 0.00, 0.00, 23.26
** 497995.68, 3603450.70, 0.00, 0.00, 23.26
** 497904.40, 3603469.28, 0.00, 0.00, 23.26
** 497830.42, 3603476.97, 0.00, 0.00, 23.26
** 497760.84, 3603476.12, 0.00, 0.00, 23.26
** 497323.89, 3603436.67, 0.00, 0.00, 23.26
** 497063.85, 3603415.73, 0.00, 0.00, 23.26
** 496939.49, 3603412.66, 0.00, 0.00, 23.26
** 496187.94, 3603420.71, 0.00, 0.00, 23.26
** ----------------------------------------------------------------------
   LOCATION L0003123     VOLUME   498188.033 3603383.937 0.0
   LOCATION L0003124     VOLUME   498141.441 3603402.079 0.0
   LOCATION L0003125     VOLUME   498094.848 3603420.221 0.0
   LOCATION L0003126     VOLUME   498047.332 3603435.644 0.0
```


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   LOCATION L0003127     VOLUME   497999.330 3603449.638 0.0
   LOCATION L0003128     VOLUME   497950.410 3603459.915 0.0
   LOCATION L0003129     VOLUME   497901.369 3603469.594 0.0
   LOCATION L0003130     VOLUME   497851.637 3603474.761 0.0
   LOCATION L0003131     VOLUME   497801.753 3603476.619 0.0
   LOCATION L0003132     VOLUME   497751.793 3603475.307 0.0
   LOCATION L0003133     VOLUME   497701.996 3603470.810 0.0
   LOCATION L0003134     VOLUME   497652.199 3603466.313 0.0
   LOCATION L0003135     VOLUME   497602.401 3603461.816 0.0
   LOCATION L0003136     VOLUME   497552.604 3603457.320 0.0
   LOCATION L0003137     VOLUME   497502.806 3603452.823 0.0
   LOCATION L0003138     VOLUME   497453.009 3603448.326 0.0
   LOCATION L0003139     VOLUME   497403.212 3603443.829 0.0
   LOCATION L0003140     VOLUME   497353.414 3603439.332 0.0
   LOCATION L0003141     VOLUME   497303.600 3603435.032 0.0
   LOCATION L0003142     VOLUME   497253.761 3603431.020 0.0
   LOCATION L0003143     VOLUME   497203.923 3603427.007 0.0
   LOCATION L0003144     VOLUME   497154.084 3603422.995 0.0
   LOCATION L0003145     VOLUME   497104.245 3603418.982 0.0
   LOCATION L0003146     VOLUME   497054.379 3603415.496 0.0
   LOCATION L0003147     VOLUME   497004.394 3603414.264 0.0
   LOCATION L0003148     VOLUME   496954.409 3603413.031 0.0
   LOCATION L0003149     VOLUME   496904.416 3603413.038 0.0
   LOCATION L0003150     VOLUME   496854.419 3603413.573 0.0
   LOCATION L0003151     VOLUME   496804.421 3603414.108 0.0
   LOCATION L0003152     VOLUME   496754.424 3603414.643 0.0
   LOCATION L0003153     VOLUME   496704.427 3603415.179 0.0
   LOCATION L0003154     VOLUME   496654.430 3603415.714 0.0
   LOCATION L0003155     VOLUME   496604.433 3603416.249 0.0
   LOCATION L0003156     VOLUME   496554.436 3603416.784 0.0
   LOCATION L0003157     VOLUME   496504.439 3603417.319 0.0
   LOCATION L0003158     VOLUME   496454.442 3603417.854 0.0
   LOCATION L0003159     VOLUME   496404.444 3603418.389 0.0
   LOCATION L0003160     VOLUME   496354.447 3603418.924 0.0
   LOCATION L0003161     VOLUME   496304.450 3603419.459 0.0
   LOCATION L0003162     VOLUME   496254.453 3603419.995 0.0
   LOCATION L0003163     VOLUME   496204.456 3603420.530 0.0
** End of LINE VOLUME Source ID = I_905_H
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_805_C
** DESCRSRC I-805_I-905_Palm
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 268.259023
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 496187.85, 3603420.77, 0.00, 4.27, 23.26
** 496520.01, 3605148.83, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0003928     VOLUME   496192.572 3603445.321 0.0
   LOCATION L0003929     VOLUME   496202.010 3603494.423 0.0
   LOCATION L0003930     VOLUME   496211.448 3603543.524 0.0
   LOCATION L0003931     VOLUME   496220.886 3603592.625 0.0
   LOCATION L0003932     VOLUME   496230.324 3603641.726 0.0
   LOCATION L0003933     VOLUME   496239.761 3603690.827 0.0
   LOCATION L0003934     VOLUME   496249.199 3603739.928 0.0
   LOCATION L0003935     VOLUME   496258.637 3603789.030 0.0
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   LOCATION L0003936     VOLUME   496268.075 3603838.131 0.0
   LOCATION L0003937     VOLUME   496277.513 3603887.232 0.0
   LOCATION L0003938     VOLUME   496286.951 3603936.333 0.0
   LOCATION L0003939     VOLUME   496296.389 3603985.434 0.0
   LOCATION L0003940     VOLUME   496305.827 3604034.535 0.0
   LOCATION L0003941     VOLUME   496315.265 3604083.637 0.0
   LOCATION L0003942     VOLUME   496324.703 3604132.738 0.0
   LOCATION L0003943     VOLUME   496334.141 3604181.839 0.0
   LOCATION L0003944     VOLUME   496343.579 3604230.940 0.0
   LOCATION L0003945     VOLUME   496353.017 3604280.041 0.0
   LOCATION L0003946     VOLUME   496362.455 3604329.142 0.0
   LOCATION L0003947     VOLUME   496371.893 3604378.244 0.0
   LOCATION L0003948     VOLUME   496381.331 3604427.345 0.0
   LOCATION L0003949     VOLUME   496390.769 3604476.446 0.0
   LOCATION L0003950     VOLUME   496400.207 3604525.547 0.0
   LOCATION L0003951     VOLUME   496409.645 3604574.648 0.0
   LOCATION L0003952     VOLUME   496419.083 3604623.749 0.0
   LOCATION L0003953     VOLUME   496428.521 3604672.851 0.0
   LOCATION L0003954     VOLUME   496437.959 3604721.952 0.0
   LOCATION L0003955     VOLUME   496447.397 3604771.053 0.0
   LOCATION L0003956     VOLUME   496456.835 3604820.154 0.0
   LOCATION L0003957     VOLUME   496466.273 3604869.255 0.0
   LOCATION L0003958     VOLUME   496475.711 3604918.356 0.0
   LOCATION L0003959     VOLUME   496485.149 3604967.458 0.0
   LOCATION L0003960     VOLUME   496494.587 3605016.559 0.0
   LOCATION L0003961     VOLUME   496504.025 3605065.660 0.0
   LOCATION L0003962     VOLUME   496513.463 3605114.761 0.0
** End of LINE VOLUME Source ID = I_805_C
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_805_D
** DESCRSRC I-805_N_Of_Palm
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 303.4572029
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 5
** 496519.99, 3605148.63, 0.00, 4.27, 23.26
** 496549.94, 3605316.11, 0.00, 4.27, 23.26
** 496568.64, 3605434.29, 0.00, 4.27, 23.26
** 496577.42, 3605558.92, 0.00, 4.27, 23.26
** 496593.26, 3606374.43, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0003963     VOLUME   496524.391 3605173.242 0.0
   LOCATION L0003964     VOLUME   496533.192 3605222.461 0.0
   LOCATION L0003965     VOLUME   496541.993 3605271.681 0.0
   LOCATION L0003966     VOLUME   496550.698 3605320.916 0.0
   LOCATION L0003967     VOLUME   496558.515 3605370.301 0.0
   LOCATION L0003968     VOLUME   496566.332 3605419.686 0.0
   LOCATION L0003969     VOLUME   496571.119 3605469.418 0.0
   LOCATION L0003970     VOLUME   496574.632 3605519.294 0.0
   LOCATION L0003971     VOLUME   496577.623 3605569.194 0.0
   LOCATION L0003972     VOLUME   496578.594 3605619.184 0.0
   LOCATION L0003973     VOLUME   496579.565 3605669.175 0.0
   LOCATION L0003974     VOLUME   496580.536 3605719.165 0.0
   LOCATION L0003975     VOLUME   496581.507 3605769.156 0.0
   LOCATION L0003976     VOLUME   496582.478 3605819.147 0.0
   LOCATION L0003977     VOLUME   496583.449 3605869.137 0.0
```


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```
   LOCATION L0003978     VOLUME   496584.421 3605919.128 0.0
   LOCATION L0003979     VOLUME   496585.392 3605969.118 0.0
   LOCATION L0003980     VOLUME   496586.363 3606019.109 0.0
   LOCATION L0003981     VOLUME   496587.334 3606069.099 0.0
   LOCATION L0003982     VOLUME   496588.305 3606119.090 0.0
   LOCATION L0003983     VOLUME   496589.276 3606169.081 0.0
   LOCATION L0003984     VOLUME   496590.247 3606219.071 0.0
   LOCATION L0003985     VOLUME   496591.218 3606269.062 0.0
   LOCATION L0003986     VOLUME   496592.189 3606319.052 0.0
   LOCATION L0003987     VOLUME   496593.160 3606369.043 0.0
** End of LINE VOLUME Source ID = I_805_D
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MEASA_A
** DESCRSRC Otay Mesa Rd Calinete to Corporate
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 168.743579
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 498669.75, 3603440.25, 0.00, 4.27, 18.60
** 499484.05, 3603427.60, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004261     VOLUME   498689.746 3603439.942 0.0
   LOCATION L0004262     VOLUME   498729.741 3603439.320 0.0
   LOCATION L0004263     VOLUME   498769.736 3603438.699 0.0
   LOCATION L0004264     VOLUME   498809.731 3603438.077 0.0
   LOCATION L0004265     VOLUME   498849.726 3603437.456 0.0
   LOCATION L0004266     VOLUME   498889.722 3603436.834 0.0
   LOCATION L0004267     VOLUME   498929.717 3603436.213 0.0
   LOCATION L0004268     VOLUME   498969.712 3603435.592 0.0
   LOCATION L0004269     VOLUME   499009.707 3603434.970 0.0
   LOCATION L0004270     VOLUME   499049.702 3603434.349 0.0
   LOCATION L0004271     VOLUME   499089.697 3603433.727 0.0
   LOCATION L0004272     VOLUME   499129.693 3603433.106 0.0
   LOCATION L0004273     VOLUME   499169.688 3603432.484 0.0
   LOCATION L0004274     VOLUME   499209.683 3603431.863 0.0
   LOCATION L0004275     VOLUME   499249.678 3603431.241 0.0
   LOCATION L0004276     VOLUME   499289.673 3603430.620 0.0
   LOCATION L0004277     VOLUME   499329.668 3603429.998 0.0
   LOCATION L0004278     VOLUME   499369.664 3603429.377 0.0
   LOCATION L0004279     VOLUME   499409.659 3603428.756 0.0
   LOCATION L0004280     VOLUME   499449.654 3603428.134 0.0
** End of LINE VOLUME Source ID = OTAY_MEASA_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_B
** DESCRSRC Otay Mesa Rd Corporate to Innovative
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 77.88165185
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 499484.06, 3603427.60, 0.00, 4.27, 18.60
** 499886.35, 3603425.24, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
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   LOCATION L0004281     VOLUME   499504.056 3603427.483 0.0
   LOCATION L0004282     VOLUME   499544.055 3603427.249 0.0
   LOCATION L0004283     VOLUME   499584.055 3603427.015 0.0
   LOCATION L0004284     VOLUME   499624.054 3603426.780 0.0
   LOCATION L0004285     VOLUME   499664.053 3603426.546 0.0
   LOCATION L0004286     VOLUME   499704.053 3603426.312 0.0
   LOCATION L0004287     VOLUME   499744.052 3603426.078 0.0
   LOCATION L0004288     VOLUME   499784.051 3603425.844 0.0
   LOCATION L0004289     VOLUME   499824.051 3603425.610 0.0
   LOCATION L0004290     VOLUME   499864.050 3603425.375 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MES_C
** DESCRSRC Otay Mesa Rd Innovated to Heritage
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 90.86192715
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 499886.36, 3603425.25, 0.00, 4.27, 18.60
** 500293.21, 3603418.28, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004291     VOLUME   499906.355 3603424.905 0.0
   LOCATION L0004292     VOLUME   499946.349 3603424.220 0.0
   LOCATION L0004293     VOLUME   499986.344 3603423.536 0.0
   LOCATION L0004294     VOLUME   500026.338 3603422.851 0.0
   LOCATION L0004295     VOLUME   500066.332 3603422.167 0.0
   LOCATION L0004296     VOLUME   500106.326 3603421.482 0.0
   LOCATION L0004297     VOLUME   500146.320 3603420.798 0.0
   LOCATION L0004298     VOLUME   500186.314 3603420.113 0.0
   LOCATION L0004299     VOLUME   500226.308 3603419.429 0.0
   LOCATION L0004300     VOLUME   500266.303 3603418.744 0.0
** End of LINE VOLUME Source ID = OTAY_MES_C
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_D
** DESCRSRC Otay Mesa Rd-905 E-Heritage to Cactus
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 160.0900621
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 500293.22, 3603418.33, 0.00, 4.27, 18.60
** 501102.99, 3603404.90, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004301     VOLUME   500313.219 3603417.999 0.0
   LOCATION L0004302     VOLUME   500353.214 3603417.335 0.0
   LOCATION L0004303     VOLUME   500393.208 3603416.672 0.0
   LOCATION L0004304     VOLUME   500433.203 3603416.009 0.0
   LOCATION L0004305     VOLUME   500473.197 3603415.345 0.0
   LOCATION L0004306     VOLUME   500513.192 3603414.682 0.0
   LOCATION L0004307     VOLUME   500553.186 3603414.019 0.0
   LOCATION L0004308     VOLUME   500593.181 3603413.356 0.0
   LOCATION L0004309     VOLUME   500633.175 3603412.692 0.0
   LOCATION L0004310     VOLUME   500673.170 3603412.029 0.0
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   LOCATION L0004311     VOLUME   500713.164 3603411.366 0.0
   LOCATION L0004312     VOLUME   500753.159 3603410.703 0.0
   LOCATION L0004313     VOLUME   500793.153 3603410.039 0.0
   LOCATION L0004314     VOLUME   500833.148 3603409.376 0.0
   LOCATION L0004315     VOLUME   500873.142 3603408.713 0.0
   LOCATION L0004316     VOLUME   500913.137 3603408.050 0.0
   LOCATION L0004317     VOLUME   500953.131 3603407.386 0.0
   LOCATION L0004318     VOLUME   500993.126 3603406.723 0.0
   LOCATION L0004319     VOLUME   501033.120 3603406.060 0.0
   LOCATION L0004320     VOLUME   501073.115 3603405.397 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_D
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_E
** DESCRSRC Otay Mesa R-905 F Cactus to Britannia
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 102.7605129
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 501102.95, 3603404.89, 0.00, 4.27, 18.60
** 501903.08, 3603388.31, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004321     VOLUME   501122.943 3603404.472 0.0
   LOCATION L0004322     VOLUME   501162.935 3603403.644 0.0
   LOCATION L0004323     VOLUME   501202.926 3603402.816 0.0
   LOCATION L0004324     VOLUME   501242.917 3603401.987 0.0
   LOCATION L0004325     VOLUME   501282.909 3603401.159 0.0
   LOCATION L0004326     VOLUME   501322.900 3603400.330 0.0
   LOCATION L0004327     VOLUME   501362.892 3603399.502 0.0
   LOCATION L0004328     VOLUME   501402.883 3603398.674 0.0
   LOCATION L0004329     VOLUME   501442.875 3603397.845 0.0
   LOCATION L0004330     VOLUME   501482.866 3603397.017 0.0
   LOCATION L0004331     VOLUME   501522.857 3603396.188 0.0
   LOCATION L0004332     VOLUME   501562.849 3603395.360 0.0
   LOCATION L0004333     VOLUME   501602.840 3603394.532 0.0
   LOCATION L0004334     VOLUME   501642.832 3603393.703 0.0
   LOCATION L0004335     VOLUME   501682.823 3603392.875 0.0
   LOCATION L0004336     VOLUME   501722.814 3603392.046 0.0
   LOCATION L0004337     VOLUME   501762.806 3603391.218 0.0
   LOCATION L0004338     VOLUME   501802.797 3603390.390 0.0
   LOCATION L0004339     VOLUME   501842.789 3603389.561 0.0
   LOCATION L0004340     VOLUME   501882.780 3603388.733 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_E
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_F
** DESCRSRC Otay Mesa Rd Britannia to La Media
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 126.5576843
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 501903.09, 3603388.31, 0.00, 4.27, 18.60
** 503536.98, 3603371.42, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
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   LOCATION L0004341     VOLUME   501923.093 3603388.105 0.0
   LOCATION L0004342     VOLUME   501963.091 3603387.691 0.0
   LOCATION L0004343     VOLUME   502003.089 3603387.278 0.0
   LOCATION L0004344     VOLUME   502043.087 3603386.864 0.0
   LOCATION L0004345     VOLUME   502083.084 3603386.450 0.0
   LOCATION L0004346     VOLUME   502123.082 3603386.037 0.0
   LOCATION L0004347     VOLUME   502163.080 3603385.623 0.0
   LOCATION L0004348     VOLUME   502203.078 3603385.210 0.0
   LOCATION L0004349     VOLUME   502243.076 3603384.796 0.0
   LOCATION L0004350     VOLUME   502283.074 3603384.383 0.0
   LOCATION L0004351     VOLUME   502323.072 3603383.969 0.0
   LOCATION L0004352     VOLUME   502363.069 3603383.556 0.0
   LOCATION L0004353     VOLUME   502403.067 3603383.142 0.0
   LOCATION L0004354     VOLUME   502443.065 3603382.729 0.0
   LOCATION L0004355     VOLUME   502483.063 3603382.315 0.0
   LOCATION L0004356     VOLUME   502523.061 3603381.902 0.0
   LOCATION L0004357     VOLUME   502563.059 3603381.488 0.0
   LOCATION L0004358     VOLUME   502603.057 3603381.074 0.0
   LOCATION L0004359     VOLUME   502643.054 3603380.661 0.0
   LOCATION L0004360     VOLUME   502683.052 3603380.247 0.0
   LOCATION L0004361     VOLUME   502723.050 3603379.834 0.0
   LOCATION L0004362     VOLUME   502763.048 3603379.420 0.0
   LOCATION L0004363     VOLUME   502803.046 3603379.007 0.0
   LOCATION L0004364     VOLUME   502843.044 3603378.593 0.0
   LOCATION L0004365     VOLUME   502883.042 3603378.180 0.0
   LOCATION L0004366     VOLUME   502923.039 3603377.766 0.0
   LOCATION L0004367     VOLUME   502963.037 3603377.353 0.0
   LOCATION L0004368     VOLUME   503003.035 3603376.939 0.0
   LOCATION L0004369     VOLUME   503043.033 3603376.525 0.0
   LOCATION L0004370     VOLUME   503083.031 3603376.112 0.0
   LOCATION L0004371     VOLUME   503123.029 3603375.698 0.0
   LOCATION L0004372     VOLUME   503163.027 3603375.285 0.0
   LOCATION L0004373     VOLUME   503203.025 3603374.871 0.0
   LOCATION L0004374     VOLUME   503243.022 3603374.458 0.0
   LOCATION L0004375     VOLUME   503283.020 3603374.044 0.0
   LOCATION L0004376     VOLUME   503323.018 3603373.631 0.0
   LOCATION L0004377     VOLUME   503363.016 3603373.217 0.0
   LOCATION L0004378     VOLUME   503403.014 3603372.804 0.0
   LOCATION L0004379     VOLUME   503443.012 3603372.390 0.0
   LOCATION L0004380     VOLUME   503483.010 3603371.976 0.0
   LOCATION L0004381     VOLUME   503523.007 3603371.563 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_F
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_D
** DESCRSRC I-905 Britannia to La Media
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 192.6921869
** Vertical Dimension = 4.27
** SZINIT = 1.98
** Nodes = 2
** 503524.08, 3602978.42, 0.00, 4.27, 23.26
** 501899.68, 3602983.74, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0004051     VOLUME   503499.078 3602978.506 0.0
   LOCATION L0004052     VOLUME   503449.079 3602978.669 0.0
   LOCATION L0004053     VOLUME   503399.079 3602978.833 0.0
   LOCATION L0004054     VOLUME   503349.079 3602978.996 0.0
```


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   LOCATION L0004055     VOLUME   503299.079 3602979.160 0.0
   LOCATION L0004056     VOLUME   503249.080 3602979.323 0.0
   LOCATION L0004057     VOLUME   503199.080 3602979.487 0.0
   LOCATION L0004058     VOLUME   503149.080 3602979.650 0.0
   LOCATION L0004059     VOLUME   503099.080 3602979.814 0.0
   LOCATION L0004060     VOLUME   503049.081 3602979.978 0.0
   LOCATION L0004061     VOLUME   502999.081 3602980.141 0.0
   LOCATION L0004062     VOLUME   502949.081 3602980.305 0.0
   LOCATION L0004063     VOLUME   502899.081 3602980.468 0.0
   LOCATION L0004064     VOLUME   502849.082 3602980.632 0.0
   LOCATION L0004065     VOLUME   502799.082 3602980.795 0.0
   LOCATION L0004066     VOLUME   502749.082 3602980.959 0.0
   LOCATION L0004067     VOLUME   502699.083 3602981.122 0.0
   LOCATION L0004068     VOLUME   502649.083 3602981.286 0.0
   LOCATION L0004069     VOLUME   502599.083 3602981.449 0.0
   LOCATION L0004070     VOLUME   502549.083 3602981.613 0.0
   LOCATION L0004071     VOLUME   502499.084 3602981.776 0.0
   LOCATION L0004072     VOLUME   502449.084 3602981.940 0.0
   LOCATION L0004073     VOLUME   502399.084 3602982.104 0.0
   LOCATION L0004074     VOLUME   502349.084 3602982.267 0.0
   LOCATION L0004075     VOLUME   502299.085 3602982.431 0.0
   LOCATION L0004076     VOLUME   502249.085 3602982.594 0.0
   LOCATION L0004077     VOLUME   502199.085 3602982.758 0.0
   LOCATION L0004078     VOLUME   502149.085 3602982.921 0.0
   LOCATION L0004079     VOLUME   502099.086 3602983.085 0.0
   LOCATION L0004080     VOLUME   502049.086 3602983.248 0.0
   LOCATION L0004081     VOLUME   501999.086 3602983.412 0.0
   LOCATION L0004082     VOLUME   501949.087 3602983.575 0.0
** End of LINE VOLUME Source ID = I_905_D
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_E
** DESCRSRC I-905 Britannia to Cactus
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 222.6766229
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 7
** 501899.91, 3602983.63, 0.00, 4.27, 23.26
** 501741.38, 3602983.82, 0.00, 4.27, 23.26
** 501643.61, 3602988.14, 0.00, 4.27, 23.26
** 501570.98, 3602994.32, 0.00, 4.27, 23.26
** 501500.02, 3603003.34, 0.00, 4.27, 23.26
** 501181.43, 3603050.59, 0.00, 4.27, 23.26
** 501097.47, 3603057.67, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0004083     VOLUME   501874.908 3602983.656 0.0
   LOCATION L0004084     VOLUME   501824.908 3602983.718 0.0
   LOCATION L0004085     VOLUME   501774.909 3602983.780 0.0
   LOCATION L0004086     VOLUME   501724.925 3602984.548 0.0
   LOCATION L0004087     VOLUME   501674.973 3602986.753 0.0
   LOCATION L0004088     VOLUME   501625.071 3602989.716 0.0
   LOCATION L0004089     VOLUME   501575.251 3602993.961 0.0
   LOCATION L0004090     VOLUME   501525.632 3603000.087 0.0
   LOCATION L0004091     VOLUME   501476.099 3603006.889 0.0
   LOCATION L0004092     VOLUME   501426.640 3603014.224 0.0
   LOCATION L0004093     VOLUME   501377.181 3603021.559 0.0
   LOCATION L0004094     VOLUME   501327.722 3603028.894 0.0
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   LOCATION L0004095     VOLUME   501278.263 3603036.230 0.0
   LOCATION L0004096     VOLUME   501228.804 3603043.565 0.0
   LOCATION L0004097     VOLUME   501179.329 3603050.767 0.0
   LOCATION L0004098     VOLUME   501129.506 3603054.967 0.0
** End of LINE VOLUME Source ID = I_905_E
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_I
** DESCRSRC I-905 Cactus to Heritage
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 258.4589152
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 10
** 501097.64, 3603057.51, 0.00, 4.27, 23.26
** 501002.41, 3603058.87, 0.00, 4.27, 23.26
** 500933.39, 3603058.05, 0.00, 4.27, 23.26
** 500801.94, 3603045.25, 0.00, 4.27, 23.26
** 500707.24, 3603030.49, 0.00, 4.27, 23.26
** 500621.35, 3603014.98, 0.00, 4.27, 23.26
** 500570.58, 3603004.14, 0.00, 4.27, 23.26
** 500421.36, 3602979.21, 0.00, 4.27, 23.26
** 500340.77, 3602978.08, 0.00, 4.27, 23.26
** 500288.38, 3602980.72, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0004099     VOLUME   501072.641 3603057.865 0.0
   LOCATION L0004100     VOLUME   501022.647 3603058.584 0.0
   LOCATION L0004101     VOLUME   500972.651 3603058.519 0.0
   LOCATION L0004102     VOLUME   500922.704 3603057.009 0.0
   LOCATION L0004103     VOLUME   500872.939 3603052.165 0.0
   LOCATION L0004104     VOLUME   500823.174 3603047.321 0.0
   LOCATION L0004105     VOLUME   500773.617 3603040.839 0.0
   LOCATION L0004106     VOLUME   500724.213 3603033.139 0.0
   LOCATION L0004107     VOLUME   500674.941 3603024.661 0.0
   LOCATION L0004108     VOLUME   500625.736 3603015.775 0.0
   LOCATION L0004109     VOLUME   500576.812 3603005.471 0.0
   LOCATION L0004110     VOLUME   500527.549 3602996.951 0.0
   LOCATION L0004111     VOLUME   500478.232 3602988.711 0.0
   LOCATION L0004112     VOLUME   500428.916 3602980.471 0.0
   LOCATION L0004113     VOLUME   500379.025 3602978.615 0.0
   LOCATION L0004114     VOLUME   500329.044 3602978.669 0.0
** End of LINE VOLUME Source ID = I_905_I
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_F
** DESCRSRC I-905 Heritage to Caliente
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 292.4888703
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 17
** 500288.74, 3602980.97, 0.00, 4.27, 23.26
** 500241.20, 3602987.73, 0.00, 4.27, 23.26
** 500196.90, 3602998.23, 0.00, 4.27, 23.26
** 500151.81, 3603011.83, 0.00, 4.27, 23.26
** 500095.46, 3603034.57, 0.00, 4.27, 23.26
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** 499913.77, 3603116.43, 0.00, 4.27, 23.26
** 499814.72, 3603160.10, 0.00, 4.27, 23.26
** 499720.10, 3603197.13, 0.00, 4.27, 23.26
** 499605.86, 3603221.81, 0.00, 4.27, 23.26
** 499557.27, 3603227.77, 0.00, 4.27, 23.26
** 499504.42, 3603229.04, 0.00, 4.27, 23.26
** 499452.20, 3603228.40, 0.00, 4.27, 23.26
** 498924.78, 3603183.28, 0.00, 4.27, 23.26
** 498846.17, 3603179.72, 0.00, 4.27, 23.26
** 498783.51, 3603183.83, 0.00, 4.27, 23.26
** 498727.72, 3603190.92, 0.00, 4.27, 23.26
** 498650.17, 3603206.84, 0.00, 4.27, 23.26
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   LOCATION L0004115     VOLUME   500263.986 3602984.490 0.0
   LOCATION L0004116     VOLUME   500214.942 3602993.952 0.0
   LOCATION L0004117     VOLUME   500166.782 3603007.313 0.0
   LOCATION L0004118     VOLUME   500119.944 3603024.686 0.0
   LOCATION L0004119     VOLUME   500073.945 3603044.259 0.0
   LOCATION L0004120     VOLUME   500028.359 3603064.800 0.0
   LOCATION L0004121     VOLUME   499982.774 3603085.341 0.0
   LOCATION L0004122     VOLUME   499937.188 3603105.882 0.0
   LOCATION L0004123     VOLUME   499891.522 3603126.243 0.0
   LOCATION L0004124     VOLUME   499845.771 3603146.415 0.0
   LOCATION L0004125     VOLUME   499799.760 3603165.959 0.0
   LOCATION L0004126     VOLUME   499753.198 3603184.179 0.0
   LOCATION L0004127     VOLUME   499705.967 3603200.183 0.0
   LOCATION L0004128     VOLUME   499657.095 3603210.743 0.0
   LOCATION L0004129     VOLUME   499608.223 3603221.302 0.0
   LOCATION L0004130     VOLUME   499558.631 3603227.604 0.0
   LOCATION L0004131     VOLUME   499508.655 3603228.936 0.0
   LOCATION L0004132     VOLUME   499458.660 3603228.483 0.0
   LOCATION L0004133     VOLUME   499408.819 3603224.693 0.0
   LOCATION L0004134     VOLUME   499359.001 3603220.430 0.0
   LOCATION L0004135     VOLUME   499309.183 3603216.168 0.0
   LOCATION L0004136     VOLUME   499259.365 3603211.905 0.0
   LOCATION L0004137     VOLUME   499209.547 3603207.642 0.0
   LOCATION L0004138     VOLUME   499159.729 3603203.380 0.0
   LOCATION L0004139     VOLUME   499109.911 3603199.117 0.0
   LOCATION L0004140     VOLUME   499060.093 3603194.854 0.0
   LOCATION L0004141     VOLUME   499010.275 3603190.592 0.0
   LOCATION L0004142     VOLUME   498960.457 3603186.329 0.0
   LOCATION L0004143     VOLUME   498910.602 3603182.635 0.0
   LOCATION L0004144     VOLUME   498860.653 3603180.374 0.0
   LOCATION L0004145     VOLUME   498810.744 3603182.046 0.0
   LOCATION L0004146     VOLUME   498760.984 3603186.697 0.0
   LOCATION L0004147     VOLUME   498711.588 3603194.235 0.0
   LOCATION L0004148     VOLUME   498662.609 3603204.290 0.0
** End of LINE VOLUME Source ID = I_905_F
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_G
** DESCRSRC I-905 Caleinte to A st
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 254.9975084
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 3
** 498650.21, 3603207.27, 0.00, 4.27, 23.26
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** 498597.78, 3603220.84, 0.00, 4.27, 23.26
** 498212.50, 3603374.25, 0.00, 4.27, 23.26
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   LOCATION L0003164     VOLUME   498626.003 3603213.532 0.0
   LOCATION L0003165     VOLUME   498578.411 3603228.549 0.0
   LOCATION L0003166     VOLUME   498531.958 3603247.045 0.0
   LOCATION L0003167     VOLUME   498485.506 3603265.542 0.0
   LOCATION L0003168     VOLUME   498439.053 3603284.038 0.0
   LOCATION L0003169     VOLUME   498392.600 3603302.535 0.0
   LOCATION L0003170     VOLUME   498346.147 3603321.032 0.0
   LOCATION L0003171     VOLUME   498299.694 3603339.528 0.0
   LOCATION L0003172     VOLUME   498253.241 3603358.025 0.0
** End of LINE VOLUME Source ID = I_905_G
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_805_A
** DESCRSRC I-805 Border to I-5
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 147.1097868
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 4
** 497206.21, 3600559.02, 0.00, 4.27, 23.26
** 496667.63, 3600985.46, 0.00, 4.27, 23.26
** 496283.14, 3601298.39, 0.00, 4.27, 23.26
** 496232.20, 3601369.95, 0.00, 4.27, 23.26
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   LOCATION L0003861     VOLUME   497186.614 3600574.540 0.0
   LOCATION L0003862     VOLUME   497147.414 3600605.577 0.0
   LOCATION L0003863     VOLUME   497108.214 3600636.615 0.0
   LOCATION L0003864     VOLUME   497069.014 3600667.653 0.0
   LOCATION L0003865     VOLUME   497029.814 3600698.691 0.0
   LOCATION L0003866     VOLUME   496990.613 3600729.729 0.0
   LOCATION L0003867     VOLUME   496951.413 3600760.767 0.0
   LOCATION L0003868     VOLUME   496912.213 3600791.804 0.0
   LOCATION L0003869     VOLUME   496873.013 3600822.842 0.0
   LOCATION L0003870     VOLUME   496833.813 3600853.880 0.0
   LOCATION L0003871     VOLUME   496794.613 3600884.918 0.0
   LOCATION L0003872     VOLUME   496755.412 3600915.956 0.0
   LOCATION L0003873     VOLUME   496716.212 3600946.994 0.0
   LOCATION L0003874     VOLUME   496677.012 3600978.031 0.0
   LOCATION L0003875     VOLUME   496638.132 3601009.468 0.0
   LOCATION L0003876     VOLUME   496599.352 3601041.030 0.0
   LOCATION L0003877     VOLUME   496560.573 3601072.591 0.0
   LOCATION L0003878     VOLUME   496521.793 3601104.153 0.0
   LOCATION L0003879     VOLUME   496483.014 3601135.715 0.0
   LOCATION L0003880     VOLUME   496444.234 3601167.277 0.0
   LOCATION L0003881     VOLUME   496405.455 3601198.839 0.0
   LOCATION L0003882     VOLUME   496366.675 3601230.401 0.0
   LOCATION L0003883     VOLUME   496327.896 3601261.963 0.0
   LOCATION L0003884     VOLUME   496289.116 3601293.524 0.0
   LOCATION L0003885     VOLUME   496258.613 3601332.845 0.0
** End of LINE VOLUME Source ID = I_805_A
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_805_B
** DESCRSRC I-905 I-5 tp I-905
** PREFIX
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** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 124.0265306
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 10
** 496233.15, 3601368.93, 0.00, 4.27, 23.26
** 496191.62, 3601457.47, 0.00, 4.27, 23.26
** 496142.10, 3601600.12, 0.00, 4.27, 23.26
** 496081.40, 3601944.25, 0.00, 4.27, 23.26
** 496050.11, 3602067.94, 0.00, 4.27, 23.26
** 496012.85, 3602297.42, 0.00, 4.27, 23.26
** 496011.20, 3602426.18, 0.00, 4.27, 23.26
** 496026.32, 3602582.36, 0.00, 4.27, 23.26
** 496041.43, 3602631.06, 0.00, 4.27, 23.26
** 496187.68, 3603420.44, 0.00, 4.27, 23.26
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   LOCATION L0003886     VOLUME   496222.533 3601391.564 0.0
   LOCATION L0003887     VOLUME   496201.303 3601436.833 0.0
   LOCATION L0003888     VOLUME   496182.702 3601483.172 0.0
   LOCATION L0003889     VOLUME   496166.304 3601530.406 0.0
   LOCATION L0003890     VOLUME   496149.906 3601577.641 0.0
   LOCATION L0003891     VOLUME   496137.550 3601625.926 0.0
   LOCATION L0003892     VOLUME   496128.864 3601675.166 0.0
   LOCATION L0003893     VOLUME   496120.179 3601724.406 0.0
   LOCATION L0003894     VOLUME   496111.494 3601773.646 0.0
   LOCATION L0003895     VOLUME   496102.808 3601822.886 0.0
   LOCATION L0003896     VOLUME   496094.123 3601872.125 0.0
   LOCATION L0003897     VOLUME   496085.438 3601921.365 0.0
   LOCATION L0003898     VOLUME   496074.837 3601970.195 0.0
   LOCATION L0003899     VOLUME   496062.573 3602018.667 0.0
   LOCATION L0003900     VOLUME   496050.309 3602067.140 0.0
   LOCATION L0003901     VOLUME   496042.227 3602116.479 0.0
   LOCATION L0003902     VOLUME   496034.215 3602165.833 0.0
   LOCATION L0003903     VOLUME   496026.203 3602215.187 0.0
   LOCATION L0003904     VOLUME   496018.191 3602264.541 0.0
   LOCATION L0003905     VOLUME   496012.640 3602314.109 0.0
   LOCATION L0003906     VOLUME   496011.999 3602364.105 0.0
   LOCATION L0003907     VOLUME   496011.358 3602414.101 0.0
   LOCATION L0003908     VOLUME   496014.856 3602463.924 0.0
   LOCATION L0003909     VOLUME   496019.672 3602513.691 0.0
   LOCATION L0003910     VOLUME   496024.489 3602563.459 0.0
   LOCATION L0003911     VOLUME   496035.510 3602611.977 0.0
   LOCATION L0003912     VOLUME   496046.900 3602660.577 0.0
   LOCATION L0003913     VOLUME   496056.009 3602709.740 0.0
   LOCATION L0003914     VOLUME   496065.117 3602758.903 0.0
   LOCATION L0003915     VOLUME   496074.226 3602808.067 0.0
   LOCATION L0003916     VOLUME   496083.335 3602857.230 0.0
   LOCATION L0003917     VOLUME   496092.443 3602906.393 0.0
   LOCATION L0003918     VOLUME   496101.552 3602955.557 0.0
   LOCATION L0003919     VOLUME   496110.660 3603004.720 0.0
   LOCATION L0003920     VOLUME   496119.769 3603053.883 0.0
   LOCATION L0003921     VOLUME   496128.877 3603103.047 0.0
   LOCATION L0003922     VOLUME   496137.986 3603152.210 0.0
   LOCATION L0003923     VOLUME   496147.094 3603201.373 0.0
   LOCATION L0003924     VOLUME   496156.203 3603250.537 0.0
   LOCATION L0003925     VOLUME   496165.312 3603299.700 0.0
   LOCATION L0003926     VOLUME   496174.420 3603348.863 0.0
   LOCATION L0003927     VOLUME   496183.529 3603398.027 0.0
** End of LINE VOLUME Source ID = I_805_B
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SR_125_A
** DESCRSRC SR-125 I-905 to Lone Star
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 87.6817597
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 15
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** 505208.82, 3602550.85, 0.00, 4.27, 23.26
** 505179.25, 3602619.06, 0.00, 4.27, 23.26
** 505156.13, 3602748.82, 0.00, 4.27, 23.26
** 505159.89, 3602881.66, 0.00, 4.27, 23.26
** 505137.33, 3603019.51, 0.00, 4.27, 23.26
** 505103.49, 3603121.02, 0.00, 4.27, 23.26
** 504989.45, 3603258.87, 0.00, 4.27, 23.26
** 504812.76, 3603362.88, 0.00, 4.27, 23.26
** 504756.06, 3603552.47, 0.00, 4.27, 23.26
** 504693.64, 3603722.94, 0.00, 4.27, 23.26
** 504609.05, 3603856.80, 0.00, 4.27, 23.26
** 504487.60, 3603989.97, 0.00, 4.27, 23.26
** 504369.35, 3604092.24, 0.00, 4.27, 23.26
** 503730.11, 3604589.33, 0.00, 4.27, 23.26
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   LOCATION L0004149     VOLUME   505205.653 3602558.161 0.0
   LOCATION L0004150     VOLUME   505185.763 3602604.035 0.0
   LOCATION L0004151     VOLUME   505173.350 3602652.162 0.0
   LOCATION L0004152     VOLUME   505164.579 3602701.386 0.0
   LOCATION L0004153     VOLUME   505156.179 3602750.639 0.0
   LOCATION L0004154     VOLUME   505157.593 3602800.619 0.0
   LOCATION L0004155     VOLUME   505159.008 3602850.599 0.0
   LOCATION L0004156     VOLUME   505156.830 3602900.338 0.0
   LOCATION L0004157     VOLUME   505148.756 3602949.681 0.0
   LOCATION L0004158     VOLUME   505140.681 3602999.025 0.0
   LOCATION L0004159     VOLUME   505128.082 3603047.252 0.0
   LOCATION L0004160     VOLUME   505112.270 3603094.686 0.0
   LOCATION L0004161     VOLUME   505089.314 3603138.157 0.0
   LOCATION L0004162     VOLUME   505057.442 3603176.682 0.0
   LOCATION L0004163     VOLUME   505025.571 3603215.208 0.0
   LOCATION L0004164     VOLUME   504993.700 3603253.734 0.0
   LOCATION L0004165     VOLUME   504952.105 3603280.851 0.0
   LOCATION L0004166     VOLUME   504909.016 3603306.216 0.0
   LOCATION L0004167     VOLUME   504865.928 3603331.580 0.0
   LOCATION L0004168     VOLUME   504822.839 3603356.944 0.0
   LOCATION L0004169     VOLUME   504801.783 3603399.574 0.0
   LOCATION L0004170     VOLUME   504787.457 3603447.478 0.0
   LOCATION L0004171     VOLUME   504773.132 3603495.382 0.0
   LOCATION L0004172     VOLUME   504758.806 3603543.286 0.0
   LOCATION L0004173     VOLUME   504742.163 3603590.419 0.0
   LOCATION L0004174     VOLUME   504724.970 3603637.370 0.0
   LOCATION L0004175     VOLUME   504707.776 3603684.321 0.0
   LOCATION L0004176     VOLUME   504688.894 3603730.441 0.0
   LOCATION L0004177     VOLUME   504662.184 3603772.709 0.0
   LOCATION L0004178     VOLUME   504635.475 3603814.978 0.0
   LOCATION L0004179     VOLUME   504608.692 3603857.190 0.0
   LOCATION L0004180     VOLUME   504575.000 3603894.133 0.0
   LOCATION L0004181     VOLUME   504541.307 3603931.077 0.0
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   LOCATION L0004182     VOLUME   504507.615 3603968.020 0.0
   LOCATION L0004183     VOLUME   504472.247 3604003.244 0.0
   LOCATION L0004184     VOLUME   504434.429 3604035.952 0.0
   LOCATION L0004185     VOLUME   504396.611 3604068.659 0.0
   LOCATION L0004186     VOLUME   504358.332 3604100.805 0.0
   LOCATION L0004187     VOLUME   504318.862 3604131.498 0.0
   LOCATION L0004188     VOLUME   504279.391 3604162.192 0.0
   LOCATION L0004189     VOLUME   504239.921 3604192.885 0.0
   LOCATION L0004190     VOLUME   504200.451 3604223.579 0.0
   LOCATION L0004191     VOLUME   504160.980 3604254.273 0.0
   LOCATION L0004192     VOLUME   504121.510 3604284.966 0.0
   LOCATION L0004193     VOLUME   504082.040 3604315.660 0.0
   LOCATION L0004194     VOLUME   504042.569 3604346.353 0.0
   LOCATION L0004195     VOLUME   504003.099 3604377.047 0.0
   LOCATION L0004196     VOLUME   503963.629 3604407.740 0.0
   LOCATION L0004197     VOLUME   503924.158 3604438.434 0.0
   LOCATION L0004198     VOLUME   503884.688 3604469.127 0.0
   LOCATION L0004199     VOLUME   503845.218 3604499.821 0.0
   LOCATION L0004200     VOLUME   503805.747 3604530.514 0.0
   LOCATION L0004201     VOLUME   503766.277 3604561.208 0.0
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SR_125_B
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** PREFIX
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** Configuration = Adjacent
** Emission Rate = 118.2719418
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 16
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** 503641.63, 3604670.27, 0.00, 4.27, 23.26
** 503499.13, 3604838.92, 0.00, 4.27, 23.26
** 503415.86, 3604960.59, 0.00, 4.27, 23.26
** 503332.13, 3605119.23, 0.00, 4.27, 23.26
** 503287.01, 3605229.39, 0.00, 4.27, 23.26
** 503244.01, 3605347.27, 0.00, 4.27, 23.26
** 503209.31, 3605475.96, 0.00, 4.27, 23.26
** 503184.71, 3605619.41, 0.00, 4.27, 23.26
** 503173.79, 3605712.19, 0.00, 4.27, 23.26
** 503185.97, 3606077.43, 0.00, 4.27, 23.26
** 503345.61, 3606634.50, 0.00, 4.27, 23.26
** 503362.60, 3606848.49, 0.00, 4.27, 23.26
** 503365.99, 3607001.34, 0.00, 4.27, 23.26
** 503352.41, 3607188.16, 0.00, 4.27, 23.26
** 503315.04, 3607358.00, 0.00, 4.27, 23.26
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   LOCATION L0004202     VOLUME   503713.494 3604605.122 0.0
   LOCATION L0004203     VOLUME   503676.452 3604638.706 0.0
   LOCATION L0004204     VOLUME   503639.696 3604672.567 0.0
   LOCATION L0004205     VOLUME   503607.425 3604710.758 0.0
   LOCATION L0004206     VOLUME   503575.154 3604748.949 0.0
   LOCATION L0004207     VOLUME   503542.883 3604787.140 0.0
   LOCATION L0004208     VOLUME   503510.612 3604825.331 0.0
   LOCATION L0004209     VOLUME   503480.937 3604865.500 0.0
   LOCATION L0004210     VOLUME   503452.697 3604906.762 0.0
   LOCATION L0004211     VOLUME   503424.457 3604948.023 0.0
   LOCATION L0004212     VOLUME   503399.626 3604991.341 0.0
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   LOCATION L0004213     VOLUME   503376.288 3605035.561 0.0
   LOCATION L0004214     VOLUME   503352.950 3605079.780 0.0
   LOCATION L0004215     VOLUME   503330.086 3605124.220 0.0
   LOCATION L0004216     VOLUME   503311.133 3605170.489 0.0
   LOCATION L0004217     VOLUME   503292.181 3605216.758 0.0
   LOCATION L0004218     VOLUME   503274.550 3605263.539 0.0
   LOCATION L0004219     VOLUME   503257.416 3605310.511 0.0
   LOCATION L0004220     VOLUME   503241.176 3605357.767 0.0
   LOCATION L0004221     VOLUME   503228.160 3605406.043 0.0
   LOCATION L0004222     VOLUME   503215.143 3605454.319 0.0
   LOCATION L0004223     VOLUME   503204.646 3605503.149 0.0
   LOCATION L0004224     VOLUME   503196.195 3605552.430 0.0
   LOCATION L0004225     VOLUME   503187.744 3605601.710 0.0
   LOCATION L0004226     VOLUME   503180.965 3605651.232 0.0
   LOCATION L0004227     VOLUME   503175.123 3605700.890 0.0
   LOCATION L0004228     VOLUME   503175.080 3605750.790 0.0
   LOCATION L0004229     VOLUME   503176.746 3605800.763 0.0
   LOCATION L0004230     VOLUME   503178.411 3605850.735 0.0
   LOCATION L0004231     VOLUME   503180.077 3605900.707 0.0
   LOCATION L0004232     VOLUME   503181.742 3605950.680 0.0
   LOCATION L0004233     VOLUME   503183.407 3606000.652 0.0
   LOCATION L0004234     VOLUME   503185.073 3606050.624 0.0
   LOCATION L0004235     VOLUME   503192.351 3606099.712 0.0
   LOCATION L0004236     VOLUME   503206.126 3606147.777 0.0
   LOCATION L0004237     VOLUME   503219.900 3606195.843 0.0
   LOCATION L0004238     VOLUME   503233.675 3606243.908 0.0
   LOCATION L0004239     VOLUME   503247.450 3606291.973 0.0
   LOCATION L0004240     VOLUME   503261.225 3606340.038 0.0
   LOCATION L0004241     VOLUME   503274.999 3606388.103 0.0
   LOCATION L0004242     VOLUME   503288.774 3606436.168 0.0
   LOCATION L0004243     VOLUME   503302.549 3606484.233 0.0
   LOCATION L0004244     VOLUME   503316.324 3606532.298 0.0
   LOCATION L0004245     VOLUME   503330.098 3606580.364 0.0
   LOCATION L0004246     VOLUME   503343.873 3606628.429 0.0
   LOCATION L0004247     VOLUME   503349.069 3606678.047 0.0
   LOCATION L0004248     VOLUME   503353.024 3606727.891 0.0
   LOCATION L0004249     VOLUME   503356.980 3606777.734 0.0
   LOCATION L0004250     VOLUME   503360.936 3606827.577 0.0
   LOCATION L0004251     VOLUME   503363.241 3606877.504 0.0
   LOCATION L0004252     VOLUME   503364.351 3606927.492 0.0
   LOCATION L0004253     VOLUME   503365.462 3606977.480 0.0
   LOCATION L0004254     VOLUME   503364.097 3607027.405 0.0
   LOCATION L0004255     VOLUME   503360.470 3607077.273 0.0
   LOCATION L0004256     VOLUME   503356.843 3607127.142 0.0
   LOCATION L0004257     VOLUME   503353.217 3607177.010 0.0
   LOCATION L0004258     VOLUME   503344.065 3607226.074 0.0
   LOCATION L0004259     VOLUME   503333.322 3607274.906 0.0
   LOCATION L0004260     VOLUME   503322.579 3607323.738 0.0
** End of LINE VOLUME Source ID = SR_125_B
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_G
** DESCRSRC Otay Mesa Rd La Media to Peter Piper
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 108.1689609
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
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** 503536.85, 3603371.47, 0.00, 4.27, 18.60
** 504346.71, 3603357.97, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004382     VOLUME   503556.849 3603371.139 0.0
   LOCATION L0004383     VOLUME   503596.843 3603370.472 0.0
   LOCATION L0004384     VOLUME   503636.838 3603369.805 0.0
   LOCATION L0004385     VOLUME   503676.832 3603369.138 0.0
   LOCATION L0004386     VOLUME   503716.827 3603368.472 0.0
   LOCATION L0004387     VOLUME   503756.821 3603367.805 0.0
   LOCATION L0004388     VOLUME   503796.815 3603367.138 0.0
   LOCATION L0004389     VOLUME   503836.810 3603366.471 0.0
   LOCATION L0004390     VOLUME   503876.804 3603365.805 0.0
   LOCATION L0004391     VOLUME   503916.799 3603365.138 0.0
   LOCATION L0004392     VOLUME   503956.793 3603364.471 0.0
   LOCATION L0004393     VOLUME   503996.788 3603363.804 0.0
   LOCATION L0004394     VOLUME   504036.782 3603363.138 0.0
   LOCATION L0004395     VOLUME   504076.777 3603362.471 0.0
   LOCATION L0004396     VOLUME   504116.771 3603361.804 0.0
   LOCATION L0004397     VOLUME   504156.765 3603361.137 0.0
   LOCATION L0004398     VOLUME   504196.760 3603360.471 0.0
   LOCATION L0004399     VOLUME   504236.754 3603359.804 0.0
   LOCATION L0004400     VOLUME   504276.749 3603359.137 0.0
   LOCATION L0004401     VOLUME   504316.743 3603358.470 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_G
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_H
** DESCRSRC Otay Mesa Rd Peter Piper to SR-125
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 48.6760324
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 504346.91, 3603357.30, 0.00, 4.27, 18.60
** 504818.32, 3603354.57, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004402     VOLUME   504366.905 3603357.187 0.0
   LOCATION L0004403     VOLUME   504406.904 3603356.956 0.0
   LOCATION L0004404     VOLUME   504446.903 3603356.724 0.0
   LOCATION L0004405     VOLUME   504486.903 3603356.492 0.0
   LOCATION L0004406     VOLUME   504526.902 3603356.260 0.0
   LOCATION L0004407     VOLUME   504566.901 3603356.028 0.0
   LOCATION L0004408     VOLUME   504606.901 3603355.796 0.0
   LOCATION L0004409     VOLUME   504646.900 3603355.565 0.0
   LOCATION L0004410     VOLUME   504686.899 3603355.333 0.0
   LOCATION L0004411     VOLUME   504726.899 3603355.101 0.0
   LOCATION L0004412     VOLUME   504766.898 3603354.869 0.0
   LOCATION L0004413     VOLUME   504806.897 3603354.637 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_H
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = AIRWAY_A
** DESCRSRC Airway Rd Cactus to Heritage
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 127.6393739
** Vertical Dimension = 12.80
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** SZINIT = 5.95
** Nodes = 11
** 501090.80, 3602603.27, 0.00, 4.27, 18.60
** 501009.15, 3602602.87, 0.00, 4.27, 18.60
** 500877.77, 3602601.66, 0.00, 4.27, 18.60
** 500791.49, 3602586.75, 0.00, 4.27, 18.60
** 500741.51, 3602568.32, 0.00, 4.27, 18.60
** 500680.50, 3602535.50, 0.00, 4.27, 18.60
** 500608.78, 3602491.74, 0.00, 4.27, 18.60
** 500547.64, 3602469.68, 0.00, 4.27, 18.60
** 500476.05, 3602454.77, 0.00, 4.27, 18.60
** 500380.83, 3602450.58, 0.00, 4.27, 18.60
** 500285.92, 3602449.79, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004458     VOLUME   501070.800 3602603.168 0.0
   LOCATION L0004459     VOLUME   501030.800 3602602.972 0.0
   LOCATION L0004460     VOLUME   500990.801 3602602.697 0.0
   LOCATION L0004461     VOLUME   500950.803 3602602.330 0.0
   LOCATION L0004462     VOLUME   500910.805 3602601.962 0.0
   LOCATION L0004463     VOLUME   500870.908 3602600.474 0.0
   LOCATION L0004464     VOLUME   500831.492 3602593.663 0.0
   LOCATION L0004465     VOLUME   500792.076 3602586.851 0.0
   LOCATION L0004466     VOLUME   500754.518 3602573.118 0.0
   LOCATION L0004467     VOLUME   500718.494 3602555.938 0.0
   LOCATION L0004468     VOLUME   500683.269 3602536.986 0.0
   LOCATION L0004469     VOLUME   500649.036 3602516.303 0.0
   LOCATION L0004470     VOLUME   500614.888 3602495.472 0.0
   LOCATION L0004471     VOLUME   500577.886 3602480.595 0.0
   LOCATION L0004472     VOLUME   500539.961 3602468.078 0.0
   LOCATION L0004473     VOLUME   500500.801 3602459.922 0.0
   LOCATION L0004474     VOLUME   500461.346 3602454.122 0.0
   LOCATION L0004475     VOLUME   500421.385 3602452.365 0.0
   LOCATION L0004476     VOLUME   500381.424 3602450.609 0.0
   LOCATION L0004477     VOLUME   500341.425 3602450.254 0.0
   LOCATION L0004478     VOLUME   500301.427 3602449.920 0.0
** End of LINE VOLUME Source ID = AIRWAY_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SIMPRE_A
** DESCRSRC Simpre Viva Rd  Paseo de las Americas to SR-905
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 155.7633037
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 6
** 506013.40, 3602159.82, 0.00, 4.27, 18.60
** 505963.36, 3602159.59, 0.00, 4.27, 18.60
** 505900.59, 3602152.40, 0.00, 4.27, 18.60
** 505861.29, 3602142.26, 0.00, 4.27, 18.60
** 505820.91, 3602118.56, 0.00, 4.27, 18.60
** 505643.93, 3601999.70, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004428     VOLUME   505993.399 3602159.729 0.0
   LOCATION L0004429     VOLUME   505953.464 3602158.452 0.0
   LOCATION L0004430     VOLUME   505913.724 3602153.901 0.0
   LOCATION L0004431     VOLUME   505874.659 3602145.706 0.0
   LOCATION L0004432     VOLUME   505838.700 3602128.999 0.0
   LOCATION L0004433     VOLUME   505804.828 3602107.757 0.0
```


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```
   LOCATION L0004434     VOLUME   505771.622 3602085.456 0.0
   LOCATION L0004435     VOLUME   505738.415 3602063.156 0.0
   LOCATION L0004436     VOLUME   505705.208 3602040.855 0.0
   LOCATION L0004437     VOLUME   505672.001 3602018.555 0.0
** End of LINE VOLUME Source ID = SIMPRE_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SIMPRE_B
** DESCRSRC Simpre Viva Rd I-905 to Otay Center
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 139.5379596
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 6
** 505643.80, 3601999.73, 0.00, 4.27, 18.60
** 505411.63, 3601836.76, 0.00, 4.27, 18.60
** 505322.64, 3601784.06, 0.00, 4.27, 18.60
** 505279.51, 3601764.21, 0.00, 4.27, 18.60
** 505183.00, 3601738.88, 0.00, 4.27, 18.60
** 505146.03, 3601738.88, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004414     VOLUME   505627.431 3601988.237 0.0
   LOCATION L0004415     VOLUME   505594.691 3601965.257 0.0
   LOCATION L0004416     VOLUME   505561.951 3601942.277 0.0
   LOCATION L0004417     VOLUME   505529.211 3601919.296 0.0
   LOCATION L0004418     VOLUME   505496.471 3601896.316 0.0
   LOCATION L0004419     VOLUME   505463.731 3601873.336 0.0
   LOCATION L0004420     VOLUME   505430.991 3601850.356 0.0
   LOCATION L0004421     VOLUME   505397.566 3601828.436 0.0
   LOCATION L0004422     VOLUME   505363.150 3601808.051 0.0
   LOCATION L0004423     VOLUME   505328.734 3601787.666 0.0
   LOCATION L0004424     VOLUME   505292.739 3601770.292 0.0
   LOCATION L0004425     VOLUME   505254.906 3601757.747 0.0
   LOCATION L0004426     VOLUME   505216.216 3601747.595 0.0
   LOCATION L0004427     VOLUME   505177.341 3601738.878 0.0
** End of LINE VOLUME Source ID = SIMPRE_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_VLLY_A
** DESCRSRC Otay Valley Rd Main to Avenida De Las Vista
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 188.213992
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 6
** 499484.79, 3606165.58, 0.00, 4.27, 23.26
** 499736.78, 3605436.57, 0.00, 4.27, 23.26
** 499824.09, 3605382.01, 0.00, 4.27, 23.26
** 499917.94, 3605161.55, 0.00, 4.27, 23.26
** 499922.31, 3604862.52, 0.00, 4.27, 23.26
** 499963.78, 3604674.81, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0004479     VOLUME   499492.958 3606141.952 0.0
   LOCATION L0004480     VOLUME   499509.292 3606094.695 0.0
   LOCATION L0004481     VOLUME   499525.627 3606047.439 0.0
   LOCATION L0004482     VOLUME   499541.961 3606000.182 0.0
```


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```
   LOCATION L0004483     VOLUME   499558.296 3605952.926 0.0
   LOCATION L0004484     VOLUME   499574.631 3605905.669 0.0
   LOCATION L0004485     VOLUME   499590.965 3605858.413 0.0
   LOCATION L0004486     VOLUME   499607.300 3605811.156 0.0
   LOCATION L0004487     VOLUME   499623.635 3605763.900 0.0
   LOCATION L0004488     VOLUME   499639.969 3605716.643 0.0
   LOCATION L0004489     VOLUME   499656.304 3605669.387 0.0
   LOCATION L0004490     VOLUME   499672.639 3605622.130 0.0
   LOCATION L0004491     VOLUME   499688.973 3605574.874 0.0
   LOCATION L0004492     VOLUME   499705.308 3605527.617 0.0
   LOCATION L0004493     VOLUME   499721.643 3605480.361 0.0
   LOCATION L0004494     VOLUME   499739.892 3605434.628 0.0
   LOCATION L0004495     VOLUME   499782.291 3605408.129 0.0
   LOCATION L0004496     VOLUME   499824.366 3605381.350 0.0
   LOCATION L0004497     VOLUME   499843.952 3605335.346 0.0
   LOCATION L0004498     VOLUME   499863.538 3605289.342 0.0
   LOCATION L0004499     VOLUME   499883.124 3605243.337 0.0
   LOCATION L0004500     VOLUME   499902.710 3605197.333 0.0
   LOCATION L0004501     VOLUME   499918.105 3605150.442 0.0
   LOCATION L0004502     VOLUME   499918.834 3605100.447 0.0
   LOCATION L0004503     VOLUME   499919.564 3605050.453 0.0
   LOCATION L0004504     VOLUME   499920.294 3605000.458 0.0
   LOCATION L0004505     VOLUME   499921.024 3604950.463 0.0
   LOCATION L0004506     VOLUME   499921.754 3604900.469 0.0
   LOCATION L0004507     VOLUME   499924.907 3604850.756 0.0
   LOCATION L0004508     VOLUME   499935.694 3604801.934 0.0
   LOCATION L0004509     VOLUME   499946.480 3604753.111 0.0
   LOCATION L0004510     VOLUME   499957.267 3604704.288 0.0
** End of LINE VOLUME Source ID = OTAY_VLLY_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAYVLLY_B
** DESCRSRC Otay Valley Rd - Avenida De Las Vistas to Datsun St
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 167.6618894
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 3
** 499963.81, 3604674.58, 0.00, 4.27, 23.26
** 500127.01, 3604037.48, 0.00, 4.27, 23.26
** 500192.82, 3603832.01, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0004511     VOLUME   499970.016 3604650.363 0.0
   LOCATION L0004512     VOLUME   499982.424 3604601.927 0.0
   LOCATION L0004513     VOLUME   499994.831 3604553.491 0.0
   LOCATION L0004514     VOLUME   500007.238 3604505.054 0.0
   LOCATION L0004515     VOLUME   500019.645 3604456.618 0.0
   LOCATION L0004516     VOLUME   500032.052 3604408.182 0.0
   LOCATION L0004517     VOLUME   500044.459 3604359.746 0.0
   LOCATION L0004518     VOLUME   500056.867 3604311.310 0.0
   LOCATION L0004519     VOLUME   500069.274 3604262.874 0.0
   LOCATION L0004520     VOLUME   500081.681 3604214.437 0.0
   LOCATION L0004521     VOLUME   500094.088 3604166.001 0.0
   LOCATION L0004522     VOLUME   500106.495 3604117.565 0.0
   LOCATION L0004523     VOLUME   500118.903 3604069.129 0.0
   LOCATION L0004524     VOLUME   500132.296 3604020.977 0.0
   LOCATION L0004525     VOLUME   500147.548 3603973.360 0.0
   LOCATION L0004526     VOLUME   500162.800 3603925.743 0.0
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```
   LOCATION L0004527     VOLUME   500178.052 3603878.126 0.0
** End of LINE VOLUME Source ID = OTAYVLLY_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = BRITANNIA
** DESCRSRC Britannia Rd I-905 to Airway Rd
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 112.4957193
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 501899.95, 3602983.67, 0.00, 0.00, 18.60
** 501897.37, 3602585.68, 0.00, 0.00, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004438     VOLUME   501899.819 3602963.673 0.0
   LOCATION L0004439     VOLUME   501899.560 3602923.674 0.0
   LOCATION L0004440     VOLUME   501899.300 3602883.675 0.0
   LOCATION L0004441     VOLUME   501899.041 3602843.676 0.0
   LOCATION L0004442     VOLUME   501898.781 3602803.677 0.0
   LOCATION L0004443     VOLUME   501898.521 3602763.677 0.0
   LOCATION L0004444     VOLUME   501898.262 3602723.678 0.0
   LOCATION L0004445     VOLUME   501898.002 3602683.679 0.0
   LOCATION L0004446     VOLUME   501897.743 3602643.680 0.0
   LOCATION L0004447     VOLUME   501897.483 3602603.681 0.0
** End of LINE VOLUME Source ID = BRITANNIA
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = LA_MEDIA
** DESCRSRC La Media Rd I-905 to Airway Rd
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 163.335131
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503523.52, 3602979.00, 0.00, 4.27, 18.60
** 503531.27, 3602574.83, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004448     VOLUME   503523.903 3602959.008 0.0
   LOCATION L0004449     VOLUME   503524.671 3602919.015 0.0
   LOCATION L0004450     VOLUME   503525.438 3602879.023 0.0
   LOCATION L0004451     VOLUME   503526.205 3602839.030 0.0
   LOCATION L0004452     VOLUME   503526.973 3602799.038 0.0
   LOCATION L0004453     VOLUME   503527.740 3602759.045 0.0
   LOCATION L0004454     VOLUME   503528.508 3602719.052 0.0
   LOCATION L0004455     VOLUME   503529.275 3602679.060 0.0
   LOCATION L0004456     VOLUME   503530.042 3602639.067 0.0
   LOCATION L0004457     VOLUME   503530.810 3602599.074 0.0
** End of LINE VOLUME Source ID = LA_MEDIA
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = HERITAGE_A
** DESCRSRC Heritage Rd 905 to Airway
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 112.4957193
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** Vertical Dimension = 4.27
** SZINIT = 1.98
** Nodes = 2
** 500285.82, 3602449.97, 0.00, 12.80, 18.60
** 500288.14, 3602980.60, 0.00, 12.80, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004528     VOLUME   500285.911 3602469.965 0.0
   LOCATION L0004529     VOLUME   500286.086 3602509.965 0.0
   LOCATION L0004530     VOLUME   500286.260 3602549.964 0.0
   LOCATION L0004531     VOLUME   500286.435 3602589.964 0.0
   LOCATION L0004532     VOLUME   500286.610 3602629.963 0.0
   LOCATION L0004533     VOLUME   500286.784 3602669.963 0.0
   LOCATION L0004534     VOLUME   500286.959 3602709.963 0.0
   LOCATION L0004535     VOLUME   500287.133 3602749.962 0.0
   LOCATION L0004536     VOLUME   500287.308 3602789.962 0.0
   LOCATION L0004537     VOLUME   500287.482 3602829.962 0.0
   LOCATION L0004538     VOLUME   500287.657 3602869.961 0.0
   LOCATION L0004539     VOLUME   500287.831 3602909.961 0.0
   LOCATION L0004540     VOLUME   500288.006 3602949.960 0.0
** End of LINE VOLUME Source ID = HERITAGE_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SEMPRE_C
** DESCRSRC Sempre Viva Rd - Britannia to LA Media
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 113.5774089
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 501891.81, 3601775.81, 0.00, 4.27, 18.60
** 503522.07, 3601770.85, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004549     VOLUME   501911.810 3601775.750 0.0
   LOCATION L0004550     VOLUME   501951.810 3601775.629 0.0
   LOCATION L0004551     VOLUME   501991.810 3601775.507 0.0
   LOCATION L0004552     VOLUME   502031.810 3601775.385 0.0
   LOCATION L0004553     VOLUME   502071.810 3601775.263 0.0
   LOCATION L0004554     VOLUME   502111.810 3601775.142 0.0
   LOCATION L0004555     VOLUME   502151.809 3601775.020 0.0
   LOCATION L0004556     VOLUME   502191.809 3601774.898 0.0
   LOCATION L0004557     VOLUME   502231.809 3601774.776 0.0
   LOCATION L0004558     VOLUME   502271.809 3601774.655 0.0
   LOCATION L0004559     VOLUME   502311.809 3601774.533 0.0
   LOCATION L0004560     VOLUME   502351.808 3601774.411 0.0
   LOCATION L0004561     VOLUME   502391.808 3601774.289 0.0
   LOCATION L0004562     VOLUME   502431.808 3601774.167 0.0
   LOCATION L0004563     VOLUME   502471.808 3601774.046 0.0
   LOCATION L0004564     VOLUME   502511.808 3601773.924 0.0
   LOCATION L0004565     VOLUME   502551.807 3601773.802 0.0
   LOCATION L0004566     VOLUME   502591.807 3601773.680 0.0
   LOCATION L0004567     VOLUME   502631.807 3601773.559 0.0
   LOCATION L0004568     VOLUME   502671.807 3601773.437 0.0
   LOCATION L0004569     VOLUME   502711.807 3601773.315 0.0
   LOCATION L0004570     VOLUME   502751.807 3601773.193 0.0
   LOCATION L0004571     VOLUME   502791.806 3601773.071 0.0
   LOCATION L0004572     VOLUME   502831.806 3601772.950 0.0
   LOCATION L0004573     VOLUME   502871.806 3601772.828 0.0
   LOCATION L0004574     VOLUME   502911.806 3601772.706 0.0
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```
   LOCATION L0004575     VOLUME   502951.806 3601772.584 0.0
   LOCATION L0004576     VOLUME   502991.805 3601772.463 0.0
   LOCATION L0004577     VOLUME   503031.805 3601772.341 0.0
   LOCATION L0004578     VOLUME   503071.805 3601772.219 0.0
   LOCATION L0004579     VOLUME   503111.805 3601772.097 0.0
   LOCATION L0004580     VOLUME   503151.805 3601771.976 0.0
   LOCATION L0004581     VOLUME   503191.805 3601771.854 0.0
   LOCATION L0004582     VOLUME   503231.804 3601771.732 0.0
   LOCATION L0004583     VOLUME   503271.804 3601771.610 0.0
   LOCATION L0004584     VOLUME   503311.804 3601771.488 0.0
   LOCATION L0004585     VOLUME   503351.804 3601771.367 0.0
   LOCATION L0004586     VOLUME   503391.804 3601771.245 0.0
   LOCATION L0004587     VOLUME   503431.803 3601771.123 0.0
   LOCATION L0004588     VOLUME   503471.803 3601771.001 0.0
   LOCATION L0004589     VOLUME   503511.803 3601770.880 0.0
** End of LINE VOLUME Source ID = SEMPRE_C
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = LA_MEDIA_C
** DESCRSRC La Media Otay Rd to Aviator
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 139.5379596
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503536.96, 3603372.70, 0.00, 4.27, 18.60
** 503531.06, 3604200.29, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004590     VOLUME   503536.817 3603392.699 0.0
   LOCATION L0004591     VOLUME   503536.532 3603432.698 0.0
   LOCATION L0004592     VOLUME   503536.246 3603472.697 0.0
   LOCATION L0004593     VOLUME   503535.961 3603512.696 0.0
   LOCATION L0004594     VOLUME   503535.676 3603552.695 0.0
   LOCATION L0004595     VOLUME   503535.391 3603592.694 0.0
   LOCATION L0004596     VOLUME   503535.106 3603632.693 0.0
   LOCATION L0004597     VOLUME   503534.820 3603672.692 0.0
   LOCATION L0004598     VOLUME   503534.535 3603712.691 0.0
   LOCATION L0004599     VOLUME   503534.250 3603752.690 0.0
   LOCATION L0004600     VOLUME   503533.965 3603792.689 0.0
   LOCATION L0004601     VOLUME   503533.679 3603832.688 0.0
   LOCATION L0004602     VOLUME   503533.394 3603872.687 0.0
   LOCATION L0004603     VOLUME   503533.109 3603912.686 0.0
   LOCATION L0004604     VOLUME   503532.824 3603952.685 0.0
   LOCATION L0004605     VOLUME   503532.539 3603992.684 0.0
   LOCATION L0004606     VOLUME   503532.253 3604032.683 0.0
   LOCATION L0004607     VOLUME   503531.968 3604072.682 0.0
   LOCATION L0004608     VOLUME   503531.683 3604112.681 0.0
   LOCATION L0004609     VOLUME   503531.398 3604152.680 0.0
   LOCATION L0004610     VOLUME   503531.113 3604192.679 0.0
** End of LINE VOLUME Source ID = LA_MEDIA_C
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = LA_MEDIA_D
** DESCRSRC La Media Aviator to Lone Star
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 201.1942673
```


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```
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503529.34, 3604201.46, 0.00, 4.27, 18.60
** 503539.23, 3604587.25, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004622     VOLUME   503529.852 3604221.454 0.0
   LOCATION L0004623     VOLUME   503530.878 3604261.441 0.0
   LOCATION L0004624     VOLUME   503531.903 3604301.428 0.0
   LOCATION L0004625     VOLUME   503532.929 3604341.415 0.0
   LOCATION L0004626     VOLUME   503533.955 3604381.402 0.0
   LOCATION L0004627     VOLUME   503534.980 3604421.388 0.0
   LOCATION L0004628     VOLUME   503536.006 3604461.375 0.0
   LOCATION L0004629     VOLUME   503537.032 3604501.362 0.0
   LOCATION L0004630     VOLUME   503538.057 3604541.349 0.0
   LOCATION L0004631     VOLUME   503539.083 3604581.336 0.0
** End of LINE VOLUME Source ID = LA_MEDIA_D
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = LONE_STAR_A
** DESCRSRC Lone Star Rd - Peter Piper to 125
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 118.985857
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503539.39, 3604587.02, 0.00, 4.27, 18.60
** 503732.34, 3604587.72, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004632     VOLUME   503559.388 3604587.091 0.0
   LOCATION L0004633     VOLUME   503599.388 3604587.237 0.0
   LOCATION L0004634     VOLUME   503639.388 3604587.384 0.0
   LOCATION L0004635     VOLUME   503679.387 3604587.530 0.0
   LOCATION L0004636     VOLUME   503719.387 3604587.677 0.0
** End of LINE VOLUME Source ID = LONE_STAR_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = LONE_STAR_B
** DESCRSRC Lone Star Rd East of 125
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 117.9041674
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503732.81, 3604587.63, 0.00, 4.27, 18.60
** 505151.76, 3604561.51, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0004637     VOLUME   503752.809 3604587.259 0.0
   LOCATION L0004638     VOLUME   503792.802 3604586.523 0.0
   LOCATION L0004639     VOLUME   503832.796 3604585.787 0.0
   LOCATION L0004640     VOLUME   503872.789 3604585.051 0.0
   LOCATION L0004641     VOLUME   503912.782 3604584.315 0.0
   LOCATION L0004642     VOLUME   503952.775 3604583.579 0.0
   LOCATION L0004643     VOLUME   503992.769 3604582.843 0.0
   LOCATION L0004644     VOLUME   504032.762 3604582.107 0.0
   LOCATION L0004645     VOLUME   504072.755 3604581.371 0.0
```


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```
   LOCATION L0004646     VOLUME   504112.748 3604580.635 0.0
   LOCATION L0004647     VOLUME   504152.741 3604579.899 0.0
   LOCATION L0004648     VOLUME   504192.735 3604579.163 0.0
   LOCATION L0004649     VOLUME   504232.728 3604578.427 0.0
   LOCATION L0004650     VOLUME   504272.721 3604577.691 0.0
   LOCATION L0004651     VOLUME   504312.714 3604576.955 0.0
   LOCATION L0004652     VOLUME   504352.708 3604576.219 0.0
   LOCATION L0004653     VOLUME   504392.701 3604575.483 0.0
   LOCATION L0004654     VOLUME   504432.694 3604574.747 0.0
   LOCATION L0004655     VOLUME   504472.687 3604574.011 0.0
   LOCATION L0004656     VOLUME   504512.680 3604573.275 0.0
   LOCATION L0004657     VOLUME   504552.674 3604572.539 0.0
   LOCATION L0004658     VOLUME   504592.667 3604571.803 0.0
   LOCATION L0004659     VOLUME   504632.660 3604571.067 0.0
   LOCATION L0004660     VOLUME   504672.653 3604570.331 0.0
   LOCATION L0004661     VOLUME   504712.647 3604569.595 0.0
   LOCATION L0004662     VOLUME   504752.640 3604568.859 0.0
   LOCATION L0004663     VOLUME   504792.633 3604568.123 0.0
   LOCATION L0004664     VOLUME   504832.626 3604567.387 0.0
   LOCATION L0004665     VOLUME   504872.620 3604566.651 0.0
   LOCATION L0004666     VOLUME   504912.613 3604565.915 0.0
   LOCATION L0004667     VOLUME   504952.606 3604565.179 0.0
   LOCATION L0004668     VOLUME   504992.599 3604564.443 0.0
   LOCATION L0004669     VOLUME   505032.592 3604563.707 0.0
   LOCATION L0004670     VOLUME   505072.586 3604562.971 0.0
   LOCATION L0004671     VOLUME   505112.579 3604562.235 0.0
** End of LINE VOLUME Source ID = LONE_STAR_B
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = AUIRWAY_A
** DESCRSRC Airway Rd La Media to Harvest
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 117.9041674
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503531.93, 3602573.02, 0.00, 4.27, 18.60
** 504214.09, 3602560.00, 0.00, 4.27, 18.60
** ------------------------------------------------------------------
   LOCATION L0004691     VOLUME   503551.931 3602572.634 0.0
   LOCATION L0004692     VOLUME   503591.924 3602571.871 0.0
   LOCATION L0004693     VOLUME   503631.916 3602571.108 0.0
   LOCATION L0004694     VOLUME   503671.909 3602570.345 0.0
   LOCATION L0004695     VOLUME   503711.902 3602569.581 0.0
   LOCATION L0004696     VOLUME   503751.895 3602568.818 0.0
   LOCATION L0004697     VOLUME   503791.887 3602568.055 0.0
   LOCATION L0004698     VOLUME   503831.880 3602567.292 0.0
   LOCATION L0004699     VOLUME   503871.873 3602566.528 0.0
   LOCATION L0004700     VOLUME   503911.866 3602565.765 0.0
   LOCATION L0004701     VOLUME   503951.858 3602565.002 0.0
   LOCATION L0004702     VOLUME   503991.851 3602564.239 0.0
   LOCATION L0004703     VOLUME   504031.844 3602563.475 0.0
   LOCATION L0004704     VOLUME   504071.836 3602562.712 0.0
   LOCATION L0004705     VOLUME   504111.829 3602561.949 0.0
   LOCATION L0004706     VOLUME   504151.822 3602561.186 0.0
   LOCATION L0004707     VOLUME   504191.815 3602560.422 0.0
** End of LINE VOLUME Source ID = AUIRWAY_A
** Source Parameters **
```


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** LINE VOLUME Source ID = I_905_A
   SRCPARAM L0003988     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003989     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003990     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003991     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003992     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003993     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003994     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003995     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003996     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003997     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003998     6.2016870917      4.27     23.26      5.95
   SRCPARAM L0003999     6.2016870917      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_B
   SRCPARAM L0004000     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004001     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004002     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004003     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004004     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004005     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004006     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004007     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004008     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004009     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004010     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004011     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004012     8.4881728857      4.27     23.26      5.95
   SRCPARAM L0004013     8.4881728857      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_C
   SRCPARAM L0004014     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004015     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004016     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004017     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004018     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004019     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004020     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004021     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004022     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004023     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004024     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004025     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004026     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004027     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004028     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004029     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004030     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004031     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004032     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004033     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004034     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004035     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004036     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004037     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004038     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004039     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004040     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004041     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004042     3.7730502946      4.27     23.26      5.95
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```
   SRCPARAM L0004043     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004044     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004045     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004046     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004047     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004048     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004049     3.7730502946      4.27     23.26      5.95
   SRCPARAM L0004050     3.7730502946      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_H
   SRCPARAM L0003123     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003124     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003125     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003126     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003127     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003128     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003129     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003130     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003131     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003132     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003133     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003134     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003135     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003136     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003137     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003138     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003139     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003140     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003141     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003142     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003143     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003144     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003145     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003146     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003147     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003148     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003149     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003150     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003151     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003152     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003153     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003154     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003155     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003156     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003157     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003158     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003159     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003160     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003161     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003162     6.2194514244      0.00     23.26      5.95
   SRCPARAM L0003163     6.2194514244      0.00     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_805_C
   SRCPARAM L0003928     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003929     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003930     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003931     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003932     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003933     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003934     7.6645435143      4.27     23.26      5.95
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   SRCPARAM L0003935     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003936     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003937     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003938     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003939     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003940     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003941     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003942     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003943     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003944     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003945     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003946     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003947     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003948     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003949     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003950     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003951     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003952     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003953     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003954     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003955     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003956     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003957     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003958     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003959     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003960     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003961     7.6645435143      4.27     23.26      5.95
   SRCPARAM L0003962     7.6645435143      4.27     23.26      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = I_805_D
   SRCPARAM L0003963     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003964     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003965     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003966     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003967     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003968     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003969     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003970     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003971     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003972     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003973     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003974     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003975     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003976     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003977     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003978     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003979     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003980     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003981     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003982     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003983     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003984     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003985     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003986     12.138288116      4.27     23.26      5.95
   SRCPARAM L0003987     12.138288116      4.27     23.26      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MEASA_A
   SRCPARAM L0004261     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004262     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004263     8.43717895      4.27     18.60      5.95
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```
   SRCPARAM L0004264     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004265     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004266     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004267     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004268     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004269     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004270     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004271     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004272     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004273     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004274     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004275     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004276     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004277     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004278     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004279     8.43717895      4.27     18.60      5.95
   SRCPARAM L0004280     8.43717895      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_B
   SRCPARAM L0004281     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004282     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004283     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004284     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004285     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004286     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004287     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004288     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004289     7.788165185      4.27     18.60      5.95
   SRCPARAM L0004290     7.788165185      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MES_C
   SRCPARAM L0004291     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004292     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004293     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004294     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004295     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004296     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004297     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004298     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004299     9.086192715      4.27     18.60      5.95
   SRCPARAM L0004300     9.086192715      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_D
   SRCPARAM L0004301     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004302     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004303     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004304     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004305     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004306     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004307     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004308     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004309     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004310     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004311     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004312     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004313     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004314     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004315     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004316     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004317     8.004503105      4.27     18.60      5.95
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   SRCPARAM L0004318     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004319     8.004503105      4.27     18.60      5.95
   SRCPARAM L0004320     8.004503105      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_E
   SRCPARAM L0004321     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004322     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004323     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004324     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004325     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004326     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004327     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004328     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004329     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004330     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004331     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004332     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004333     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004334     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004335     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004336     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004337     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004338     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004339     5.138025645      4.27     18.60      5.95
   SRCPARAM L0004340     5.138025645      4.27     18.60      5.95
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** LINE VOLUME Source ID = OTAY_MESA_F
   SRCPARAM L0004341     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004342     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004343     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004344     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004345     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004346     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004347     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004348     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004349     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004350     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004351     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004352     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004353     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004354     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004355     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004356     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004357     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004358     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004359     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004360     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004361     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004362     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004363     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004364     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004365     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004366     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004367     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004368     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004369     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004370     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004371     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004372     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004373     3.0867727878      4.27     18.60      5.95
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   SRCPARAM L0004374     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004375     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004376     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004377     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004378     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004379     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004380     3.0867727878      4.27     18.60      5.95
   SRCPARAM L0004381     3.0867727878      4.27     18.60      5.95
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** LINE VOLUME Source ID = I_905_D
   SRCPARAM L0004051     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004052     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004053     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004054     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004055     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004056     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004057     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004058     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004059     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004060     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004061     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004062     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004063     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004064     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004065     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004066     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004067     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004068     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004069     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004070     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004071     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004072     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004073     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004074     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004075     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004076     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004077     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004078     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004079     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004080     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004081     6.0216308406      4.27     23.26      1.98
   SRCPARAM L0004082     6.0216308406      4.27     23.26      1.98
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_E
   SRCPARAM L0004083     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004084     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004085     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004086     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004087     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004088     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004089     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004090     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004091     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004092     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004093     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004094     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004095     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004096     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004097     13.9172889313      4.27     23.26      5.95
   SRCPARAM L0004098     13.9172889313      4.27     23.26      5.95
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** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_I
   SRCPARAM L0004099     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004100     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004101     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004102     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004103     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004104     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004105     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004106     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004107     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004108     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004109     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004110     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004111     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004112     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004113     16.1536822      4.27     23.26      5.95
   SRCPARAM L0004114     16.1536822      4.27     23.26      5.95
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** LINE VOLUME Source ID = I_905_F
   SRCPARAM L0004115     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004116     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004117     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004118     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004119     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004120     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004121     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004122     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004123     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004124     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004125     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004126     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004127     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004128     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004129     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004130     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004131     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004132     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004133     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004134     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004135     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004136     8.6026138324      4.27     23.26      5.95
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   SRCPARAM L0004138     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004139     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004140     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004141     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004142     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004143     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004144     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004145     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004146     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004147     8.6026138324      4.27     23.26      5.95
   SRCPARAM L0004148     8.6026138324      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_G
   SRCPARAM L0003164     28.3330564889      4.27     23.26      5.95
   SRCPARAM L0003165     28.3330564889      4.27     23.26      5.95
   SRCPARAM L0003166     28.3330564889      4.27     23.26      5.95
   SRCPARAM L0003167     28.3330564889      4.27     23.26      5.95
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   SRCPARAM L0003168     28.3330564889      4.27     23.26      5.95
   SRCPARAM L0003169     28.3330564889      4.27     23.26      5.95
   SRCPARAM L0003170     28.3330564889      4.27     23.26      5.95
   SRCPARAM L0003171     28.3330564889      4.27     23.26      5.95
   SRCPARAM L0003172     28.3330564889      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_805_A
   SRCPARAM L0003861     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003862     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003863     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003864     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003865     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003866     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003867     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003868     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003869     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003870     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003871     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003872     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003873     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003874     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003875     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003876     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003877     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003878     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003879     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003880     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003881     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003882     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003883     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003884     5.884391472      4.27     23.26      5.95
   SRCPARAM L0003885     5.884391472      4.27     23.26      5.95
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** LINE VOLUME Source ID = I_805_B
   SRCPARAM L0003886     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003887     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003888     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003889     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003890     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003891     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003892     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003893     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003894     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003895     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003896     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003897     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003898     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003899     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003900     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003901     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003902     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003903     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003904     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003905     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003906     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003907     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003908     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003909     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003910     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003911     2.9530126333      4.27     23.26      5.95
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```
   SRCPARAM L0003912     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003913     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003914     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003915     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003916     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003917     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003918     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003919     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003920     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003921     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003922     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003923     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003924     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003925     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003926     2.9530126333      4.27     23.26      5.95
   SRCPARAM L0003927     2.9530126333      4.27     23.26      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SR_125_A
   SRCPARAM L0004149     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004150     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004151     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004152     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004153     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004154     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004155     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004156     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004157     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004158     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004159     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004160     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004161     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004162     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004163     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004164     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004165     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004166     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004167     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004168     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004169     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004170     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004171     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004172     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004173     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004174     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004175     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004176     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004177     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004178     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004179     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004180     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004181     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004182     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004183     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004184     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004185     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004186     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004187     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004188     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004189     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004190     1.6543728245      4.27     23.26      5.95
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   SRCPARAM L0004191     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004192     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004193     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004194     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004195     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004196     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004197     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004198     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004199     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004200     1.6543728245      4.27     23.26      5.95
   SRCPARAM L0004201     1.6543728245      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SR_125_B
   SRCPARAM L0004202     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004203     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004204     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004205     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004206     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004207     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004208     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004209     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004210     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004211     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004212     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004213     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004214     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004215     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004216     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004217     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004218     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004219     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004220     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004221     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004222     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004223     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004224     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004225     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004226     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004227     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004228     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004229     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004230     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004231     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004232     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004233     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004234     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004235     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004236     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004237     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004238     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004239     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004240     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004241     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004242     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004243     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004244     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004245     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004246     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004247     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004248     2.0046091831      4.27     23.26      5.95
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   SRCPARAM L0004249     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004250     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004251     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004252     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004253     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004254     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004255     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004256     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004257     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004258     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004259     2.0046091831      4.27     23.26      5.95
   SRCPARAM L0004260     2.0046091831      4.27     23.26      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_G
   SRCPARAM L0004382     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004383     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004384     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004385     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004386     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004387     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004388     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004389     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004390     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004391     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004392     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004393     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004394     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004395     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004396     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004397     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004398     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004399     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004400     5.408448045      4.27     18.60      5.95
   SRCPARAM L0004401     5.408448045      4.27     18.60      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_H
   SRCPARAM L0004402     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004403     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004404     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004405     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004406     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004407     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004408     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004409     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004410     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004411     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004412     4.0563360333      4.27     18.60      5.95
   SRCPARAM L0004413     4.0563360333      4.27     18.60      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = AIRWAY_A
   SRCPARAM L0004458     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004459     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004460     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004461     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004462     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004463     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004464     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004465     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004466     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004467     6.0780654238      4.27     18.60      5.95
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   SRCPARAM L0004468     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004469     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004470     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004471     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004472     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004473     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004474     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004475     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004476     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004477     6.0780654238      4.27     18.60      5.95
   SRCPARAM L0004478     6.0780654238      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SIMPRE_A
   SRCPARAM L0004428     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004429     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004430     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004431     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004432     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004433     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004434     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004435     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004436     15.57633037      4.27     18.60      5.95
   SRCPARAM L0004437     15.57633037      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SIMPRE_B
   SRCPARAM L0004414     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004415     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004416     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004417     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004418     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004419     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004420     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004421     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004422     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004423     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004424     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004425     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004426     9.9669971143      4.27     18.60      5.95
   SRCPARAM L0004427     9.9669971143      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_VLLY_A
   SRCPARAM L0004479     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004480     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004481     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004482     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004483     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004484     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004485     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004486     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004487     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004488     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004489     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004490     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004491     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004492     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004493     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004494     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004495     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004496     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004497     5.88168725      4.27     23.26      5.95
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   SRCPARAM L0004498     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004499     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004500     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004501     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004502     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004503     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004504     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004505     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004506     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004507     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004508     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004509     5.88168725      4.27     23.26      5.95
   SRCPARAM L0004510     5.88168725      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = OTAYVLLY_B
   SRCPARAM L0004511     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004512     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004513     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004514     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004515     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004516     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004517     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004518     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004519     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004520     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004521     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004522     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004523     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004524     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004525     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004526     9.8624640824      4.27     23.26      5.95
   SRCPARAM L0004527     9.8624640824      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = BRITANNIA
   SRCPARAM L0004438     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004439     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004440     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004441     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004442     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004443     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004444     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004445     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004446     11.24957193      0.00     18.60      5.95
   SRCPARAM L0004447     11.24957193      0.00     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = LA_MEDIA
   SRCPARAM L0004448     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004449     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004450     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004451     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004452     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004453     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004454     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004455     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004456     16.3335131      4.27     18.60      5.95
   SRCPARAM L0004457     16.3335131      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = HERITAGE_A
   SRCPARAM L0004528     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004529     8.6535168692     12.80     18.60      1.98
```


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```
   SRCPARAM L0004530     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004531     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004532     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004533     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004534     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004535     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004536     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004537     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004538     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004539     8.6535168692     12.80     18.60      1.98
   SRCPARAM L0004540     8.6535168692     12.80     18.60      1.98
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEMPRE_C
   SRCPARAM L0004549     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004550     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004551     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004552     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004553     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004554     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004555     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004556     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004557     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004558     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004559     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004560     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004561     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004562     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004563     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004564     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004565     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004566     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004567     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004568     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004569     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004570     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004571     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004572     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004573     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004574     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004575     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004576     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004577     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004578     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004579     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004580     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004581     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004582     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004583     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004584     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004585     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004586     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004587     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004588     2.7701807049      4.27     18.60      5.95
   SRCPARAM L0004589     2.7701807049      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = LA_MEDIA_C
   SRCPARAM L0004590     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004591     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004592     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004593     6.6446647429      4.27     18.60      5.95
```


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```
   SRCPARAM L0004594     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004595     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004596     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004597     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004598     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004599     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004600     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004601     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004602     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004603     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004604     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004605     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004606     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004607     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004608     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004609     6.6446647429      4.27     18.60      5.95
   SRCPARAM L0004610     6.6446647429      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = LA_MEDIA_D
   SRCPARAM L0004622     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004623     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004624     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004625     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004626     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004627     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004628     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004629     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004630     20.11942673      4.27     18.60      5.95
   SRCPARAM L0004631     20.11942673      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = LONE_STAR_A
   SRCPARAM L0004632     23.7971714      4.27     18.60      5.95
   SRCPARAM L0004633     23.7971714      4.27     18.60      5.95
   SRCPARAM L0004634     23.7971714      4.27     18.60      5.95
   SRCPARAM L0004635     23.7971714      4.27     18.60      5.95
   SRCPARAM L0004636     23.7971714      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = LONE_STAR_B
   SRCPARAM L0004637     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004638     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004639     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004640     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004641     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004642     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004643     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004644     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004645     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004646     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004647     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004648     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004649     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004650     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004651     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004652     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004653     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004654     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004655     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004656     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004657     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004658     3.3686904971      4.27     18.60      5.95
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```
   SRCPARAM L0004659     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004660     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004661     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004662     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004663     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004664     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004665     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004666     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004667     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004668     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004669     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004670     3.3686904971      4.27     18.60      5.95
   SRCPARAM L0004671     3.3686904971      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = AUIRWAY_A
   SRCPARAM L0004691     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004692     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004693     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004694     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004695     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004696     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004697     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004698     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004699     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004700     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004701     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004702     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004703     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004704     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004705     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004706     6.9355392588      4.27     18.60      5.95
   SRCPARAM L0004707     6.9355392588      4.27     18.60      5.95
** ---------------------------------------------------------------------
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   GRIDCART UCART1 STA
                  XYINC 495921.32 21 150.00 3600584.90 21 150.00
                  ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    1     0.00     0.00     0.00
                  ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    2     0.00     0.00     0.00
                  ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    3     0.00     0.00     0.00
                  ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                  ELEV    4     0.00     0.00     0.00
```


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ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			

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ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			

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                HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   14     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00
GRIDCART UCART1 END
GRIDCART UCART2 STA
                XYINC 495924.40 21 150.00 3603567.52 21 150.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
```


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ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00

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HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00			
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00			
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00
GRIDCART UCART2 END
GRIDCART UCART3 STA
                XYINC 498904.52 21 150.00 3600584.79 21 150.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00
                ELEV    8      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    8      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    8      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    8      0.00      0.00      0.00
                ELEV    9      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    9      0.00      0.00      0.00      0.00      0.00      0.00
```


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ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00

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HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00			
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00			
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00			
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00			
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00

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                    HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   18      0.00      0.00      0.00
                    HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   19      0.00      0.00      0.00
                    HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   20      0.00      0.00      0.00
                    HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                    HILL   21      0.00      0.00      0.00
GRIDCART UCART3 END
GRIDCART UCART4 STA
                    XYINC 498903.40 21 150.00 3603568.08 21 150.00
                    ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    1      0.00      0.00      0.00
                    ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    2      0.00      0.00      0.00
                    ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    3      0.00      0.00      0.00
                    ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    4      0.00      0.00      0.00
                    ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    5      0.00      0.00      0.00
                    ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
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                    ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    7      0.00      0.00      0.00
                    ELEV    8      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    8      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    8      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    8      0.00      0.00      0.00
                    ELEV    9      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    9      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    9      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV    9      0.00      0.00      0.00
                    ELEV   10      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV   10      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV   10      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV   10      0.00      0.00      0.00
                    ELEV   11      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV   11      0.00      0.00      0.00      0.00      0.00      0.00
                    ELEV   11      0.00      0.00      0.00      0.00      0.00      0.00
```


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ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
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ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00

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HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
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HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00			
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00			
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00			
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00			
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00			
HILL	19	0.00	0.00	0.00	0.00	0.00	0.00
HILL	19	0.00	0.00	0.00	0.00	0.00	0.00
HILL	19	0.00	0.00	0.00	0.00	0.00	0.00
HILL	19	0.00	0.00	0.00			
HILL	20	0.00	0.00	0.00	0.00	0.00	0.00
HILL	20	0.00	0.00	0.00	0.00	0.00	0.00
HILL	20	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL   20      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00
GRIDCART UCART4 END
GRIDCART UCART5 STA
                XYINC 501887.15 21 150.00 3600585.14 21 150.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00
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                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
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                ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
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                ELEV    8      0.00      0.00      0.00      0.00      0.00      0.00
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                ELEV    9      0.00      0.00      0.00      0.00      0.00      0.00
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                ELEV    9      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    9      0.00      0.00      0.00
                ELEV   10      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   10      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   10      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   10      0.00      0.00      0.00
                ELEV   11      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   11      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   11      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   11      0.00      0.00      0.00
                ELEV   12      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   12      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   12      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   12      0.00      0.00      0.00
                ELEV   13      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   13      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   13      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV   13      0.00      0.00      0.00
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ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			

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                HILL     8      0.00      0.00      0.00      0.00      0.00      0.00
                HILL     8      0.00      0.00      0.00      0.00      0.00      0.00
                HILL     8      0.00      0.00      0.00      0.00      0.00      0.00
                HILL     8      0.00      0.00      0.00
                HILL     9      0.00      0.00      0.00      0.00      0.00      0.00
                HILL     9      0.00      0.00      0.00      0.00      0.00      0.00
                HILL     9      0.00      0.00      0.00      0.00      0.00      0.00
                HILL     9      0.00      0.00      0.00
                HILL    10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    10      0.00      0.00      0.00
                HILL    11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    11      0.00      0.00      0.00
                HILL    12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    12      0.00      0.00      0.00
                HILL    13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    13      0.00      0.00      0.00
                HILL    14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    14      0.00      0.00      0.00
                HILL    15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    15      0.00      0.00      0.00
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                HILL    17      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL    18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    18      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL    18      0.00      0.00      0.00
                HILL    19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    19      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL    19      0.00      0.00      0.00
                HILL    20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    20      0.00      0.00      0.00
                HILL    21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL    21      0.00      0.00      0.00
GRIDCART UCART5 END
GRIDCART UCART6 STA
                XYINC 501885.74 21 150.00 3603565.94 21 150.00
                ELEV     1      0.00      0.00      0.00      0.00      0.00      0.00
```


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ELEV	1	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	1	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	1	0.00	0.00	0.00			
ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	2	0.00	0.00	0.00			
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00			
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00			
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00

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ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL   10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   10      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00
GRIDCART UCART6 END
GRIDCART UCART7 STA
                XYINC 504863.59 21 150.00 3600583.99 21 150.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
```


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ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00			
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00			
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
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ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00

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ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00
GRIDCART UCART7 END
GRIDCART UCART8 STA
                XYINC 504863.98 21 150.00 3603564.47 21 150.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
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ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00

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ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00

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```
                    HILL   14     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00
   GRIDCART UCART8 END
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "..\AERMET\Otay Mesa.SFC"
   PROFFILE "..\AERMET\Otay Mesa.PFL"
   SURFDATA 23188 1990 SAN_DIEGO/LINDBERGH_FIELD
   UAIRDATA 3190 1990
   PROFBASE 9.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OTAY MESA EX CP BUILDOUT.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "OTAY MESA EX CP BUILDOUT.AD\AN00GALL.PLT" 32
   SUMMFILE "Otay Mesa Ex CP Buildout.sum"
OU FINISHED

 ***********************************
```


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```
*** SETUP Finishes Successfully ***
***********************************
```


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```
 **MODELOPTs:  RegDFAULT CONC                                                  ELEV


                                            ***     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 RURAL Dispersion Only.

 **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.

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates ANNUAL Averages

 **This Run Includes:    859 Source(s);       1 Source Group(s); and    3528 Receptor
(s)

 **The Model Assumes A Pollutant Type of:  PM_10

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =     9.00 ;  Decay Coef.
=    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                               ;
```


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```
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.3 MB of RAM.

 **Detailed Error/Message File:   Otay Mesa Ex CP Buildout.err
 **File for Summary of Results:   Otay Mesa Ex CP Buildout.sum
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003988	0	0.62017E+01	505725.6	3601444.9	0.0	4.27	23.26	5.95	NO	
L0003989	0	0.62017E+01	505721.3	3601494.7	0.0	4.27	23.26	5.95	NO	
L0003990	0	0.62017E+01	505717.0	3601544.5	0.0	4.27	23.26	5.95	NO	
L0003991	0	0.62017E+01	505712.6	3601594.4	0.0	4.27	23.26	5.95	NO	
L0003992	0	0.62017E+01	505715.7	3601644.0	0.0	4.27	23.26	5.95	NO	
L0003993	0	0.62017E+01	505722.7	3601693.5	0.0	4.27	23.26	5.95	NO	
L0003994	0	0.62017E+01	505721.8	3601742.8	0.0	4.27	23.26	5.95	NO	
L0003995	0	0.62017E+01	505712.0	3601791.8	0.0	4.27	23.26	5.95	NO	
L0003996	0	0.62017E+01	505702.3	3601840.8	0.0	4.27	23.26	5.95	NO	
L0003997	0	0.62017E+01	505692.5	3601889.9	0.0	4.27	23.26	5.95	NO	
L0003998	0	0.62017E+01	505673.2	3601935.8	0.0	4.27	23.26	5.95	NO	
L0003999	0	0.62017E+01	505651.9	3601981.0	0.0	4.27	23.26	5.95	NO	
L0004000	0	0.84882E+01	505630.7	3602021.4	0.0	4.27	23.26	5.95	NO	
L0004001	0	0.84882E+01	505605.8	3602064.8	0.0	4.27	23.26	5.95	NO	
L0004002	0	0.84882E+01	505573.9	3602103.3	0.0	4.27	23.26	5.95	NO	
L0004003	0	0.84882E+01	505542.1	3602141.8	0.0	4.27	23.26	5.95	NO	
L0004004	0	0.84882E+01	505510.2	3602180.4	0.0	4.27	23.26	5.95	NO	
L0004005	0	0.84882E+01	505478.4	3602218.9	0.0	4.27	23.26	5.95	NO	
L0004006	0	0.84882E+01	505446.5	3602257.4	0.0	4.27	23.26	5.95	NO	
L0004007	0	0.84882E+01	505414.7	3602296.0	0.0	4.27	23.26			

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```
5.95     NO
 L0004008          0   0.84882E+01  505382.8 3602334.5     0.0     4.27    23.26
5.95     NO
 L0004009          0   0.84882E+01  505350.9 3602373.1     0.0     4.27    23.26
5.95     NO
 L0004010          0   0.84882E+01  505319.1 3602411.6     0.0     4.27    23.26
5.95     NO
 L0004011          0   0.84882E+01  505287.2 3602450.1     0.0     4.27    23.26
5.95     NO
 L0004012          0   0.84882E+01  505255.4 3602488.7     0.0     4.27    23.26
5.95     NO
 L0004013          0   0.84882E+01  505223.5 3602527.2     0.0     4.27    23.26
5.95     NO
 L0004014          0   0.37731E+01  505199.9 3602554.2     0.0     4.27    23.26
5.95     NO
 L0004015          0   0.37731E+01  505166.6 3602591.5     0.0     4.27    23.26
5.95     NO
 L0004016          0   0.37731E+01  505133.3 3602628.8     0.0     4.27    23.26
5.95     NO
 L0004017          0   0.37731E+01  505100.0 3602666.1     0.0     4.27    23.26
5.95     NO
 L0004018          0   0.37731E+01  505064.9 3602701.6     0.0     4.27    23.26
5.95     NO
 L0004019          0   0.37731E+01  505027.6 3602735.0     0.0     4.27    23.26
5.95     NO
 L0004020          0   0.37731E+01  504990.4 3602768.3     0.0     4.27    23.26
5.95     NO
 L0004021          0   0.37731E+01  504950.7 3602798.5     0.0     4.27    23.26
5.95     NO
 L0004022          0   0.37731E+01  504908.8 3602825.8     0.0     4.27    23.26
5.95     NO
 L0004023          0   0.37731E+01  504867.0 3602853.2     0.0     4.27    23.26
5.95     NO
 L0004024          0   0.37731E+01  504822.3 3602875.6     0.0     4.27    23.26
5.95     NO
 L0004025          0   0.37731E+01  504777.2 3602897.1     0.0     4.27    23.26
5.95     NO
 L0004026          0   0.37731E+01  504731.2 3602916.7     0.0     4.27    23.26
5.95     NO
 L0004027          0   0.37731E+01  504683.6 3602931.6     0.0     4.27    23.26
5.95     NO
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004028	0	0.37731E+01	504635.0	3602943.3	0.0	4.27	23.26	5.95	NO	
L0004029	0	0.37731E+01	504586.4	3602955.0	0.0	4.27	23.26	5.95	NO	
L0004030	0	0.37731E+01	504537.5	3602965.0	0.0	4.27	23.26	5.95	NO	
L0004031	0	0.37731E+01	504487.7	3602969.5	0.0	4.27	23.26	5.95	NO	
L0004032	0	0.37731E+01	504437.8	3602970.9	0.0	4.27	23.26	5.95	NO	
L0004033	0	0.37731E+01	504387.8	3602971.3	0.0	4.27	23.26	5.95	NO	
L0004034	0	0.37731E+01	504337.8	3602971.7	0.0	4.27	23.26	5.95	NO	
L0004035	0	0.37731E+01	504287.8	3602972.1	0.0	4.27	23.26	5.95	NO	
L0004036	0	0.37731E+01	504237.8	3602972.6	0.0	4.27	23.26	5.95	NO	
L0004037	0	0.37731E+01	504187.8	3602973.0	0.0	4.27	23.26	5.95	NO	
L0004038	0	0.37731E+01	504137.8	3602973.4	0.0	4.27	23.26	5.95	NO	
L0004039	0	0.37731E+01	504087.8	3602973.8	0.0	4.27	23.26	5.95	NO	
L0004040	0	0.37731E+01	504037.8	3602974.2	0.0	4.27	23.26	5.95	NO	
L0004041	0	0.37731E+01	503987.8	3602974.6	0.0	4.27	23.26	5.95	NO	
L0004042	0	0.37731E+01	503937.8	3602975.0	0.0	4.27	23.26	5.95	NO	
L0004043	0	0.37731E+01	503887.8	3602975.4	0.0	4.27	23.26	5.95	NO	
L0004044	0	0.37731E+01	503837.8	3602975.8	0.0	4.27	23.26	5.95	NO	
L0004045	0	0.37731E+01	503787.8	3602976.3	0.0	4.27	23.26	5.95	NO	
L0004046	0	0.37731E+01	503737.8	3602976.7	0.0	4.27	23.26	5.95	NO	
L0004047	0	0.37731E+01	503687.8	3602977.1	0.0	4.27	23.26			

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```
5.95     NO
 L0004048          0   0.37731E+01  503637.8 3602977.5     0.0     4.27    23.26
5.95     NO
 L0004049          0   0.37731E+01  503587.8 3602977.9     0.0     4.27    23.26
5.95     NO
 L0004050          0   0.37731E+01  503537.8 3602978.3     0.0     4.27    23.26
5.95     NO
 L0003123          0   0.62195E+01  498188.0 3603383.9     0.0     0.00    23.26
5.95     NO
 L0003124          0   0.62195E+01  498141.4 3603402.1     0.0     0.00    23.26
5.95     NO
 L0003125          0   0.62195E+01  498094.8 3603420.2     0.0     0.00    23.26
5.95     NO
 L0003126          0   0.62195E+01  498047.3 3603435.6     0.0     0.00    23.26
5.95     NO
 L0003127          0   0.62195E+01  497999.3 3603449.6     0.0     0.00    23.26
5.95     NO
 L0003128          0   0.62195E+01  497950.4 3603459.9     0.0     0.00    23.26
5.95     NO
 L0003129          0   0.62195E+01  497901.4 3603469.6     0.0     0.00    23.26
5.95     NO
 L0003130          0   0.62195E+01  497851.6 3603474.8     0.0     0.00    23.26
5.95     NO
 L0003131          0   0.62195E+01  497801.8 3603476.6     0.0     0.00    23.26
5.95     NO
 L0003132          0   0.62195E+01  497751.8 3603475.3     0.0     0.00    23.26
5.95     NO
 L0003133          0   0.62195E+01  497702.0 3603470.8     0.0     0.00    23.26
5.95     NO
 L0003134          0   0.62195E+01  497652.2 3603466.3     0.0     0.00    23.26
5.95     NO
 L0003135          0   0.62195E+01  497602.4 3603461.8     0.0     0.00    23.26
5.95     NO
 L0003136          0   0.62195E+01  497552.6 3603457.3     0.0     0.00    23.26
5.95     NO
 L0003137          0   0.62195E+01  497502.8 3603452.8     0.0     0.00    23.26
5.95     NO
 L0003138          0   0.62195E+01  497453.0 3603448.3     0.0     0.00    23.26
5.95     NO
 L0003139          0   0.62195E+01  497403.2 3603443.8     0.0     0.00    23.26
5.95     NO
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003140	0	0.62195E+01	497353.4	3603439.3	0.0	0.00	23.26	5.95	NO	
L0003141	0	0.62195E+01	497303.6	3603435.0	0.0	0.00	23.26	5.95	NO	
L0003142	0	0.62195E+01	497253.8	3603431.0	0.0	0.00	23.26	5.95	NO	
L0003143	0	0.62195E+01	497203.9	3603427.0	0.0	0.00	23.26	5.95	NO	
L0003144	0	0.62195E+01	497154.1	3603423.0	0.0	0.00	23.26	5.95	NO	
L0003145	0	0.62195E+01	497104.2	3603419.0	0.0	0.00	23.26	5.95	NO	
L0003146	0	0.62195E+01	497054.4	3603415.5	0.0	0.00	23.26	5.95	NO	
L0003147	0	0.62195E+01	497004.4	3603414.3	0.0	0.00	23.26	5.95	NO	
L0003148	0	0.62195E+01	496954.4	3603413.0	0.0	0.00	23.26	5.95	NO	
L0003149	0	0.62195E+01	496904.4	3603413.0	0.0	0.00	23.26	5.95	NO	
L0003150	0	0.62195E+01	496854.4	3603413.6	0.0	0.00	23.26	5.95	NO	
L0003151	0	0.62195E+01	496804.4	3603414.1	0.0	0.00	23.26	5.95	NO	
L0003152	0	0.62195E+01	496754.4	3603414.6	0.0	0.00	23.26	5.95	NO	
L0003153	0	0.62195E+01	496704.4	3603415.2	0.0	0.00	23.26	5.95	NO	
L0003154	0	0.62195E+01	496654.4	3603415.7	0.0	0.00	23.26	5.95	NO	
L0003155	0	0.62195E+01	496604.4	3603416.2	0.0	0.00	23.26	5.95	NO	
L0003156	0	0.62195E+01	496554.4	3603416.8	0.0	0.00	23.26	5.95	NO	
L0003157	0	0.62195E+01	496504.4	3603417.3	0.0	0.00	23.26	5.95	NO	
L0003158	0	0.62195E+01	496454.4	3603417.9	0.0	0.00	23.26	5.95	NO	
L0003159	0	0.62195E+01	496404.4	3603418.4	0.0	0.00	23.26			

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5.95     NO
 L0003160          0   0.62195E+01  496354.4 3603418.9     0.0     0.00    23.26
5.95     NO
 L0003161          0   0.62195E+01  496304.5 3603419.5     0.0     0.00    23.26
5.95     NO
 L0003162          0   0.62195E+01  496254.5 3603420.0     0.0     0.00    23.26
5.95     NO
 L0003163          0   0.62195E+01  496204.5 3603420.5     0.0     0.00    23.26
5.95     NO
 L0003928          0   0.76645E+01  496192.6 3603445.3     0.0     4.27    23.26
5.95     NO
 L0003929          0   0.76645E+01  496202.0 3603494.4     0.0     4.27    23.26
5.95     NO
 L0003930          0   0.76645E+01  496211.4 3603543.5     0.0     4.27    23.26
5.95     NO
 L0003931          0   0.76645E+01  496220.9 3603592.6     0.0     4.27    23.26
5.95     NO
 L0003932          0   0.76645E+01  496230.3 3603641.7     0.0     4.27    23.26
5.95     NO
 L0003933          0   0.76645E+01  496239.8 3603690.8     0.0     4.27    23.26
5.95     NO
 L0003934          0   0.76645E+01  496249.2 3603739.9     0.0     4.27    23.26
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 L0003935          0   0.76645E+01  496258.6 3603789.0     0.0     4.27    23.26
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5.95     NO
 L0003937          0   0.76645E+01  496277.5 3603887.2     0.0     4.27    23.26
5.95     NO
 L0003938          0   0.76645E+01  496287.0 3603936.3     0.0     4.27    23.26
5.95     NO
 L0003939          0   0.76645E+01  496296.4 3603985.4     0.0     4.27    23.26
5.95     NO
 L0003940          0   0.76645E+01  496305.8 3604034.5     0.0     4.27    23.26
5.95     NO
 L0003941          0   0.76645E+01  496315.3 3604083.6     0.0     4.27    23.26
5.95     NO
 L0003942          0   0.76645E+01  496324.7 3604132.7     0.0     4.27    23.26
5.95     NO
 L0003943          0   0.76645E+01  496334.1 3604181.8     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003944	0	0.76645E+01	496343.6	3604230.9	0.0	4.27	23.26	5.95	NO	
L0003945	0	0.76645E+01	496353.0	3604280.0	0.0	4.27	23.26	5.95	NO	
L0003946	0	0.76645E+01	496362.5	3604329.1	0.0	4.27	23.26	5.95	NO	
L0003947	0	0.76645E+01	496371.9	3604378.2	0.0	4.27	23.26	5.95	NO	
L0003948	0	0.76645E+01	496381.3	3604427.3	0.0	4.27	23.26	5.95	NO	
L0003949	0	0.76645E+01	496390.8	3604476.4	0.0	4.27	23.26	5.95	NO	
L0003950	0	0.76645E+01	496400.2	3604525.5	0.0	4.27	23.26	5.95	NO	
L0003951	0	0.76645E+01	496409.6	3604574.6	0.0	4.27	23.26	5.95	NO	
L0003952	0	0.76645E+01	496419.1	3604623.7	0.0	4.27	23.26	5.95	NO	
L0003953	0	0.76645E+01	496428.5	3604672.9	0.0	4.27	23.26	5.95	NO	
L0003954	0	0.76645E+01	496438.0	3604722.0	0.0	4.27	23.26	5.95	NO	
L0003955	0	0.76645E+01	496447.4	3604771.1	0.0	4.27	23.26	5.95	NO	
L0003956	0	0.76645E+01	496456.8	3604820.2	0.0	4.27	23.26	5.95	NO	
L0003957	0	0.76645E+01	496466.3	3604869.3	0.0	4.27	23.26	5.95	NO	
L0003958	0	0.76645E+01	496475.7	3604918.4	0.0	4.27	23.26	5.95	NO	
L0003959	0	0.76645E+01	496485.1	3604967.5	0.0	4.27	23.26	5.95	NO	
L0003960	0	0.76645E+01	496494.6	3605016.6	0.0	4.27	23.26	5.95	NO	
L0003961	0	0.76645E+01	496504.0	3605065.7	0.0	4.27	23.26	5.95	NO	
L0003962	0	0.76645E+01	496513.5	3605114.8	0.0	4.27	23.26	5.95	NO	
L0003963	0	0.12138E+02	496524.4	3605173.2	0.0	4.27	23.26			

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5.95     NO
 L0003964          0   0.12138E+02  496533.2 3605222.5     0.0     4.27    23.26
5.95     NO
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 L0003966          0   0.12138E+02  496550.7 3605320.9     0.0     4.27    23.26
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 L0003968          0   0.12138E+02  496566.3 3605419.7     0.0     4.27    23.26
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5.95     NO
 L0003970          0   0.12138E+02  496574.6 3605519.3     0.0     4.27    23.26
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5.95     NO
 L0003977          0   0.12138E+02  496583.4 3605869.1     0.0     4.27    23.26
5.95     NO
 L0003978          0   0.12138E+02  496584.4 3605919.1     0.0     4.27    23.26
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 L0003979          0   0.12138E+02  496585.4 3605969.1     0.0     4.27    23.26
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 L0003980          0   0.12138E+02  496586.4 3606019.1     0.0     4.27    23.26
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 L0003981          0   0.12138E+02  496587.3 3606069.1     0.0     4.27    23.26
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 L0003982          0   0.12138E+02  496588.3 3606119.1     0.0     4.27    23.26
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 L0003983          0   0.12138E+02  496589.3 3606169.1     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003984	0	0.12138E+02	496590.2	3606219.1	0.0	4.27	23.26	5.95	NO	
L0003985	0	0.12138E+02	496591.2	3606269.1	0.0	4.27	23.26	5.95	NO	
L0003986	0	0.12138E+02	496592.2	3606319.1	0.0	4.27	23.26	5.95	NO	
L0003987	0	0.12138E+02	496593.2	3606369.0	0.0	4.27	23.26	5.95	NO	
L0004261	0	0.84372E+01	498689.7	3603439.9	0.0	4.27	18.60	5.95	NO	
L0004262	0	0.84372E+01	498729.7	3603439.3	0.0	4.27	18.60	5.95	NO	
L0004263	0	0.84372E+01	498769.7	3603438.7	0.0	4.27	18.60	5.95	NO	
L0004264	0	0.84372E+01	498809.7	3603438.1	0.0	4.27	18.60	5.95	NO	
L0004265	0	0.84372E+01	498849.7	3603437.5	0.0	4.27	18.60	5.95	NO	
L0004266	0	0.84372E+01	498889.7	3603436.8	0.0	4.27	18.60	5.95	NO	
L0004267	0	0.84372E+01	498929.7	3603436.2	0.0	4.27	18.60	5.95	NO	
L0004268	0	0.84372E+01	498969.7	3603435.6	0.0	4.27	18.60	5.95	NO	
L0004269	0	0.84372E+01	499009.7	3603435.0	0.0	4.27	18.60	5.95	NO	
L0004270	0	0.84372E+01	499049.7	3603434.3	0.0	4.27	18.60	5.95	NO	
L0004271	0	0.84372E+01	499089.7	3603433.7	0.0	4.27	18.60	5.95	NO	
L0004272	0	0.84372E+01	499129.7	3603433.1	0.0	4.27	18.60	5.95	NO	
L0004273	0	0.84372E+01	499169.7	3603432.5	0.0	4.27	18.60	5.95	NO	
L0004274	0	0.84372E+01	499209.7	3603431.9	0.0	4.27	18.60	5.95	NO	
L0004275	0	0.84372E+01	499249.7	3603431.2	0.0	4.27	18.60	5.95	NO	
L0004276	0	0.84372E+01	499289.7	3603430.6	0.0	4.27	18.60			

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5.95     NO
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 L0004279          0   0.84372E+01  499409.7 3603428.8     0.0     4.27    18.60
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 L0004280          0   0.84372E+01  499449.7 3603428.1     0.0     4.27    18.60
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 L0004281          0   0.77882E+01  499504.1 3603427.5     0.0     4.27    18.60
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 L0004285          0   0.77882E+01  499664.1 3603426.5     0.0     4.27    18.60
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 L0004286          0   0.77882E+01  499704.1 3603426.3     0.0     4.27    18.60
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 L0004288          0   0.77882E+01  499784.1 3603425.8     0.0     4.27    18.60
5.95     NO
 L0004289          0   0.77882E+01  499824.1 3603425.6     0.0     4.27    18.60
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 L0004292          0   0.90862E+01  499946.3 3603424.2     0.0     4.27    18.60
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 L0004293          0   0.90862E+01  499986.3 3603423.5     0.0     4.27    18.60
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 L0004294          0   0.90862E+01  500026.3 3603422.9     0.0     4.27    18.60
5.95     NO
 L0004295          0   0.90862E+01  500066.3 3603422.2     0.0     4.27    18.60
5.95     NO
 L0004296          0   0.90862E+01  500106.3 3603421.5     0.0     4.27    18.60
5.95     NO
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*** VOLUME SOURCE DATA ***

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L0004297	0	0.90862E+01	500146.3	3603420.8	0.0	4.27	18.60	5.95	NO	
L0004298	0	0.90862E+01	500186.3	3603420.1	0.0	4.27	18.60	5.95	NO	
L0004299	0	0.90862E+01	500226.3	3603419.4	0.0	4.27	18.60	5.95	NO	
L0004300	0	0.90862E+01	500266.3	3603418.7	0.0	4.27	18.60	5.95	NO	
L0004301	0	0.80045E+01	500313.2	3603418.0	0.0	4.27	18.60	5.95	NO	
L0004302	0	0.80045E+01	500353.2	3603417.3	0.0	4.27	18.60	5.95	NO	
L0004303	0	0.80045E+01	500393.2	3603416.7	0.0	4.27	18.60	5.95	NO	
L0004304	0	0.80045E+01	500433.2	3603416.0	0.0	4.27	18.60	5.95	NO	
L0004305	0	0.80045E+01	500473.2	3603415.3	0.0	4.27	18.60	5.95	NO	
L0004306	0	0.80045E+01	500513.2	3603414.7	0.0	4.27	18.60	5.95	NO	
L0004307	0	0.80045E+01	500553.2	3603414.0	0.0	4.27	18.60	5.95	NO	
L0004308	0	0.80045E+01	500593.2	3603413.4	0.0	4.27	18.60	5.95	NO	
L0004309	0	0.80045E+01	500633.2	3603412.7	0.0	4.27	18.60	5.95	NO	
L0004310	0	0.80045E+01	500673.2	3603412.0	0.0	4.27	18.60	5.95	NO	
L0004311	0	0.80045E+01	500713.2	3603411.4	0.0	4.27	18.60	5.95	NO	
L0004312	0	0.80045E+01	500753.2	3603410.7	0.0	4.27	18.60	5.95	NO	
L0004313	0	0.80045E+01	500793.2	3603410.0	0.0	4.27	18.60	5.95	NO	
L0004314	0	0.80045E+01	500833.1	3603409.4	0.0	4.27	18.60	5.95	NO	
L0004315	0	0.80045E+01	500873.1	3603408.7	0.0	4.27	18.60	5.95	NO	
L0004316	0	0.80045E+01	500913.1	3603408.0	0.0	4.27	18.60			

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5.95     NO
 L0004317          0   0.80045E+01  500953.1 3603407.4     0.0     4.27    18.60
5.95     NO
 L0004318          0   0.80045E+01  500993.1 3603406.7     0.0     4.27    18.60
5.95     NO
 L0004319          0   0.80045E+01  501033.1 3603406.1     0.0     4.27    18.60
5.95     NO
 L0004320          0   0.80045E+01  501073.1 3603405.4     0.0     4.27    18.60
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 L0004321          0   0.51380E+01  501122.9 3603404.5     0.0     4.27    18.60
5.95     NO
 L0004322          0   0.51380E+01  501162.9 3603403.6     0.0     4.27    18.60
5.95     NO
 L0004323          0   0.51380E+01  501202.9 3603402.8     0.0     4.27    18.60
5.95     NO
 L0004324          0   0.51380E+01  501242.9 3603402.0     0.0     4.27    18.60
5.95     NO
 L0004325          0   0.51380E+01  501282.9 3603401.2     0.0     4.27    18.60
5.95     NO
 L0004326          0   0.51380E+01  501322.9 3603400.3     0.0     4.27    18.60
5.95     NO
 L0004327          0   0.51380E+01  501362.9 3603399.5     0.0     4.27    18.60
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 L0004328          0   0.51380E+01  501402.9 3603398.7     0.0     4.27    18.60
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 L0004329          0   0.51380E+01  501442.9 3603397.8     0.0     4.27    18.60
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 L0004330          0   0.51380E+01  501482.9 3603397.0     0.0     4.27    18.60
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 L0004331          0   0.51380E+01  501522.9 3603396.2     0.0     4.27    18.60
5.95     NO
 L0004332          0   0.51380E+01  501562.8 3603395.4     0.0     4.27    18.60
5.95     NO
 L0004333          0   0.51380E+01  501602.8 3603394.5     0.0     4.27    18.60
5.95     NO
 L0004334          0   0.51380E+01  501642.8 3603393.7     0.0     4.27    18.60
5.95     NO
 L0004335          0   0.51380E+01  501682.8 3603392.9     0.0     4.27    18.60
5.95     NO
 L0004336          0   0.51380E+01  501722.8 3603392.0     0.0     4.27    18.60
5.95     NO
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L0004337	0	0.51380E+01	501762.8	3603391.2	0.0	4.27	18.60	5.95	NO	
L0004338	0	0.51380E+01	501802.8	3603390.4	0.0	4.27	18.60	5.95	NO	
L0004339	0	0.51380E+01	501842.8	3603389.6	0.0	4.27	18.60	5.95	NO	
L0004340	0	0.51380E+01	501882.8	3603388.7	0.0	4.27	18.60	5.95	NO	
L0004341	0	0.30868E+01	501923.1	3603388.1	0.0	4.27	18.60	5.95	NO	
L0004342	0	0.30868E+01	501963.1	3603387.7	0.0	4.27	18.60	5.95	NO	
L0004343	0	0.30868E+01	502003.1	3603387.3	0.0	4.27	18.60	5.95	NO	
L0004344	0	0.30868E+01	502043.1	3603386.9	0.0	4.27	18.60	5.95	NO	
L0004345	0	0.30868E+01	502083.1	3603386.4	0.0	4.27	18.60	5.95	NO	
L0004346	0	0.30868E+01	502123.1	3603386.0	0.0	4.27	18.60	5.95	NO	
L0004347	0	0.30868E+01	502163.1	3603385.6	0.0	4.27	18.60	5.95	NO	
L0004348	0	0.30868E+01	502203.1	3603385.2	0.0	4.27	18.60	5.95	NO	
L0004349	0	0.30868E+01	502243.1	3603384.8	0.0	4.27	18.60	5.95	NO	
L0004350	0	0.30868E+01	502283.1	3603384.4	0.0	4.27	18.60	5.95	NO	
L0004351	0	0.30868E+01	502323.1	3603384.0	0.0	4.27	18.60	5.95	NO	
L0004352	0	0.30868E+01	502363.1	3603383.6	0.0	4.27	18.60	5.95	NO	
L0004353	0	0.30868E+01	502403.1	3603383.1	0.0	4.27	18.60	5.95	NO	
L0004354	0	0.30868E+01	502443.1	3603382.7	0.0	4.27	18.60	5.95	NO	
L0004355	0	0.30868E+01	502483.1	3603382.3	0.0	4.27	18.60	5.95	NO	
L0004356	0	0.30868E+01	502523.1	3603381.9	0.0	4.27	18.60			

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5.95     NO
 L0004357         0   0.30868E+01  502563.1 3603381.5     0.0     4.27    18.60
5.95     NO
 L0004358         0   0.30868E+01  502603.1 3603381.1     0.0     4.27    18.60
5.95     NO
 L0004359         0   0.30868E+01  502643.1 3603380.7     0.0     4.27    18.60
5.95     NO
 L0004360         0   0.30868E+01  502683.1 3603380.2     0.0     4.27    18.60
5.95     NO
 L0004361         0   0.30868E+01  502723.0 3603379.8     0.0     4.27    18.60
5.95     NO
 L0004362         0   0.30868E+01  502763.0 3603379.4     0.0     4.27    18.60
5.95     NO
 L0004363         0   0.30868E+01  502803.0 3603379.0     0.0     4.27    18.60
5.95     NO
 L0004364         0   0.30868E+01  502843.0 3603378.6     0.0     4.27    18.60
5.95     NO
 L0004365         0   0.30868E+01  502883.0 3603378.2     0.0     4.27    18.60
5.95     NO
 L0004366         0   0.30868E+01  502923.0 3603377.8     0.0     4.27    18.60
5.95     NO
 L0004367         0   0.30868E+01  502963.0 3603377.4     0.0     4.27    18.60
5.95     NO
 L0004368         0   0.30868E+01  503003.0 3603376.9     0.0     4.27    18.60
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 L0004369         0   0.30868E+01  503043.0 3603376.5     0.0     4.27    18.60
5.95     NO
 L0004370         0   0.30868E+01  503083.0 3603376.1     0.0     4.27    18.60
5.95     NO
 L0004371         0   0.30868E+01  503123.0 3603375.7     0.0     4.27    18.60
5.95     NO
 L0004372         0   0.30868E+01  503163.0 3603375.3     0.0     4.27    18.60
5.95     NO
 L0004373         0   0.30868E+01  503203.0 3603374.9     0.0     4.27    18.60
5.95     NO
 L0004374         0   0.30868E+01  503243.0 3603374.5     0.0     4.27    18.60
5.95     NO
 L0004375         0   0.30868E+01  503283.0 3603374.0     0.0     4.27    18.60
5.95     NO
 L0004376         0   0.30868E+01  503323.0 3603373.6     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004377	0	0.30868E+01	503363.0	3603373.2	0.0	4.27	18.60	5.95	NO	
L0004378	0	0.30868E+01	503403.0	3603372.8	0.0	4.27	18.60	5.95	NO	
L0004379	0	0.30868E+01	503443.0	3603372.4	0.0	4.27	18.60	5.95	NO	
L0004380	0	0.30868E+01	503483.0	3603372.0	0.0	4.27	18.60	5.95	NO	
L0004381	0	0.30868E+01	503523.0	3603371.6	0.0	4.27	18.60	5.95	NO	
L0004051	0	0.60216E+01	503499.1	3602978.5	0.0	4.27	23.26	1.98	NO	
L0004052	0	0.60216E+01	503449.1	3602978.7	0.0	4.27	23.26	1.98	NO	
L0004053	0	0.60216E+01	503399.1	3602978.8	0.0	4.27	23.26	1.98	NO	
L0004054	0	0.60216E+01	503349.1	3602979.0	0.0	4.27	23.26	1.98	NO	
L0004055	0	0.60216E+01	503299.1	3602979.2	0.0	4.27	23.26	1.98	NO	
L0004056	0	0.60216E+01	503249.1	3602979.3	0.0	4.27	23.26	1.98	NO	
L0004057	0	0.60216E+01	503199.1	3602979.5	0.0	4.27	23.26	1.98	NO	
L0004058	0	0.60216E+01	503149.1	3602979.6	0.0	4.27	23.26	1.98	NO	
L0004059	0	0.60216E+01	503099.1	3602979.8	0.0	4.27	23.26	1.98	NO	
L0004060	0	0.60216E+01	503049.1	3602980.0	0.0	4.27	23.26	1.98	NO	
L0004061	0	0.60216E+01	502999.1	3602980.1	0.0	4.27	23.26	1.98	NO	
L0004062	0	0.60216E+01	502949.1	3602980.3	0.0	4.27	23.26	1.98	NO	
L0004063	0	0.60216E+01	502899.1	3602980.5	0.0	4.27	23.26	1.98	NO	
L0004064	0	0.60216E+01	502849.1	3602980.6	0.0	4.27	23.26	1.98	NO	
L0004065	0	0.60216E+01	502799.1	3602980.8	0.0	4.27	23.26			

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1.98     NO
 L0004066         0   0.60216E+01  502749.1 3602981.0     0.0     4.27    23.26
1.98     NO
 L0004067         0   0.60216E+01  502699.1 3602981.1     0.0     4.27    23.26
1.98     NO
 L0004068         0   0.60216E+01  502649.1 3602981.3     0.0     4.27    23.26
1.98     NO
 L0004069         0   0.60216E+01  502599.1 3602981.4     0.0     4.27    23.26
1.98     NO
 L0004070         0   0.60216E+01  502549.1 3602981.6     0.0     4.27    23.26
1.98     NO
 L0004071         0   0.60216E+01  502499.1 3602981.8     0.0     4.27    23.26
1.98     NO
 L0004072         0   0.60216E+01  502449.1 3602981.9     0.0     4.27    23.26
1.98     NO
 L0004073         0   0.60216E+01  502399.1 3602982.1     0.0     4.27    23.26
1.98     NO
 L0004074         0   0.60216E+01  502349.1 3602982.3     0.0     4.27    23.26
1.98     NO
 L0004075         0   0.60216E+01  502299.1 3602982.4     0.0     4.27    23.26
1.98     NO
 L0004076         0   0.60216E+01  502249.1 3602982.6     0.0     4.27    23.26
1.98     NO
 L0004077         0   0.60216E+01  502199.1 3602982.8     0.0     4.27    23.26
1.98     NO
 L0004078         0   0.60216E+01  502149.1 3602982.9     0.0     4.27    23.26
1.98     NO
 L0004079         0   0.60216E+01  502099.1 3602983.1     0.0     4.27    23.26
1.98     NO
 L0004080         0   0.60216E+01  502049.1 3602983.2     0.0     4.27    23.26
1.98     NO
 L0004081         0   0.60216E+01  501999.1 3602983.4     0.0     4.27    23.26
1.98     NO
 L0004082         0   0.60216E+01  501949.1 3602983.6     0.0     4.27    23.26
1.98     NO
 L0004083         0   0.13917E+02  501874.9 3602983.7     0.0     4.27    23.26
5.95     NO
 L0004084         0   0.13917E+02  501824.9 3602983.7     0.0     4.27    23.26
5.95     NO
 L0004085         0   0.13917E+02  501774.9 3602983.8     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDEFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004086	0	0.13917E+02	501724.9	3602984.5	0.0	4.27	23.26	5.95	NO	
L0004087	0	0.13917E+02	501675.0	3602986.8	0.0	4.27	23.26	5.95	NO	
L0004088	0	0.13917E+02	501625.1	3602989.7	0.0	4.27	23.26	5.95	NO	
L0004089	0	0.13917E+02	501575.3	3602994.0	0.0	4.27	23.26	5.95	NO	
L0004090	0	0.13917E+02	501525.6	3603000.1	0.0	4.27	23.26	5.95	NO	
L0004091	0	0.13917E+02	501476.1	3603006.9	0.0	4.27	23.26	5.95	NO	
L0004092	0	0.13917E+02	501426.6	3603014.2	0.0	4.27	23.26	5.95	NO	
L0004093	0	0.13917E+02	501377.2	3603021.6	0.0	4.27	23.26	5.95	NO	
L0004094	0	0.13917E+02	501327.7	3603028.9	0.0	4.27	23.26	5.95	NO	
L0004095	0	0.13917E+02	501278.3	3603036.2	0.0	4.27	23.26	5.95	NO	
L0004096	0	0.13917E+02	501228.8	3603043.6	0.0	4.27	23.26	5.95	NO	
L0004097	0	0.13917E+02	501179.3	3603050.8	0.0	4.27	23.26	5.95	NO	
L0004098	0	0.13917E+02	501129.5	3603055.0	0.0	4.27	23.26	5.95	NO	
L0004099	0	0.16154E+02	501072.6	3603057.9	0.0	4.27	23.26	5.95	NO	
L0004100	0	0.16154E+02	501022.6	3603058.6	0.0	4.27	23.26	5.95	NO	
L0004101	0	0.16154E+02	500972.7	3603058.5	0.0	4.27	23.26	5.95	NO	
L0004102	0	0.16154E+02	500922.7	3603057.0	0.0	4.27	23.26	5.95	NO	
L0004103	0	0.16154E+02	500872.9	3603052.2	0.0	4.27	23.26	5.95	NO	
L0004104	0	0.16154E+02	500823.2	3603047.3	0.0	4.27	23.26	5.95	NO	
L0004105	0	0.16154E+02	500773.6	3603040.8	0.0	4.27	23.26			

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5.95     NO
 L0004106          0   0.16154E+02  500724.2 3603033.1     0.0     4.27    23.26
5.95     NO
 L0004107          0   0.16154E+02  500674.9 3603024.7     0.0     4.27    23.26
5.95     NO
 L0004108          0   0.16154E+02  500625.7 3603015.8     0.0     4.27    23.26
5.95     NO
 L0004109          0   0.16154E+02  500576.8 3603005.5     0.0     4.27    23.26
5.95     NO
 L0004110          0   0.16154E+02  500527.5 3602997.0     0.0     4.27    23.26
5.95     NO
 L0004111          0   0.16154E+02  500478.2 3602988.7     0.0     4.27    23.26
5.95     NO
 L0004112          0   0.16154E+02  500428.9 3602980.5     0.0     4.27    23.26
5.95     NO
 L0004113          0   0.16154E+02  500379.0 3602978.6     0.0     4.27    23.26
5.95     NO
 L0004114          0   0.16154E+02  500329.0 3602978.7     0.0     4.27    23.26
5.95     NO
 L0004115          0   0.86026E+01  500264.0 3602984.5     0.0     4.27    23.26
5.95     NO
 L0004116          0   0.86026E+01  500214.9 3602994.0     0.0     4.27    23.26
5.95     NO
 L0004117          0   0.86026E+01  500166.8 3603007.3     0.0     4.27    23.26
5.95     NO
 L0004118          0   0.86026E+01  500119.9 3603024.7     0.0     4.27    23.26
5.95     NO
 L0004119          0   0.86026E+01  500073.9 3603044.3     0.0     4.27    23.26
5.95     NO
 L0004120          0   0.86026E+01  500028.4 3603064.8     0.0     4.27    23.26
5.95     NO
 L0004121          0   0.86026E+01  499982.8 3603085.3     0.0     4.27    23.26
5.95     NO
 L0004122          0   0.86026E+01  499937.2 3603105.9     0.0     4.27    23.26
5.95     NO
 L0004123          0   0.86026E+01  499891.5 3603126.2     0.0     4.27    23.26
5.95     NO
 L0004124          0   0.86026E+01  499845.8 3603146.4     0.0     4.27    23.26
5.95     NO
 L0004125          0   0.86026E+01  499799.8 3603166.0     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004126	0	0.86026E+01	499753.2	3603184.2	0.0	4.27	23.26	5.95	NO	
L0004127	0	0.86026E+01	499706.0	3603200.2	0.0	4.27	23.26	5.95	NO	
L0004128	0	0.86026E+01	499657.1	3603210.7	0.0	4.27	23.26	5.95	NO	
L0004129	0	0.86026E+01	499608.2	3603221.3	0.0	4.27	23.26	5.95	NO	
L0004130	0	0.86026E+01	499558.6	3603227.6	0.0	4.27	23.26	5.95	NO	
L0004131	0	0.86026E+01	499508.7	3603228.9	0.0	4.27	23.26	5.95	NO	
L0004132	0	0.86026E+01	499458.7	3603228.5	0.0	4.27	23.26	5.95	NO	
L0004133	0	0.86026E+01	499408.8	3603224.7	0.0	4.27	23.26	5.95	NO	
L0004134	0	0.86026E+01	499359.0	3603220.4	0.0	4.27	23.26	5.95	NO	
L0004135	0	0.86026E+01	499309.2	3603216.2	0.0	4.27	23.26	5.95	NO	
L0004136	0	0.86026E+01	499259.4	3603211.9	0.0	4.27	23.26	5.95	NO	
L0004137	0	0.86026E+01	499209.5	3603207.6	0.0	4.27	23.26	5.95	NO	
L0004138	0	0.86026E+01	499159.7	3603203.4	0.0	4.27	23.26	5.95	NO	
L0004139	0	0.86026E+01	499109.9	3603199.1	0.0	4.27	23.26	5.95	NO	
L0004140	0	0.86026E+01	499060.1	3603194.9	0.0	4.27	23.26	5.95	NO	
L0004141	0	0.86026E+01	499010.3	3603190.6	0.0	4.27	23.26	5.95	NO	
L0004142	0	0.86026E+01	498960.5	3603186.3	0.0	4.27	23.26	5.95	NO	
L0004143	0	0.86026E+01	498910.6	3603182.6	0.0	4.27	23.26	5.95	NO	
L0004144	0	0.86026E+01	498860.7	3603180.4	0.0	4.27	23.26	5.95	NO	
L0004145	0	0.86026E+01	498810.7	3603182.0	0.0	4.27	23.26			

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5.95     NO
 L0004146          0   0.86026E+01  498761.0 3603186.7     0.0     4.27    23.26
5.95     NO
 L0004147          0   0.86026E+01  498711.6 3603194.2     0.0     4.27    23.26
5.95     NO
 L0004148          0   0.86026E+01  498662.6 3603204.3     0.0     4.27    23.26
5.95     NO
 L0003164          0   0.28333E+02  498626.0 3603213.5     0.0     4.27    23.26
5.95     NO
 L0003165          0   0.28333E+02  498578.4 3603228.5     0.0     4.27    23.26
5.95     NO
 L0003166          0   0.28333E+02  498532.0 3603247.0     0.0     4.27    23.26
5.95     NO
 L0003167          0   0.28333E+02  498485.5 3603265.5     0.0     4.27    23.26
5.95     NO
 L0003168          0   0.28333E+02  498439.1 3603284.0     0.0     4.27    23.26
5.95     NO
 L0003169          0   0.28333E+02  498392.6 3603302.5     0.0     4.27    23.26
5.95     NO
 L0003170          0   0.28333E+02  498346.1 3603321.0     0.0     4.27    23.26
5.95     NO
 L0003171          0   0.28333E+02  498299.7 3603339.5     0.0     4.27    23.26
5.95     NO
 L0003172          0   0.28333E+02  498253.2 3603358.0     0.0     4.27    23.26
5.95     NO
 L0003861          0   0.58844E+01  497186.6 3600574.5     0.0     4.27    23.26
5.95     NO
 L0003862          0   0.58844E+01  497147.4 3600605.6     0.0     4.27    23.26
5.95     NO
 L0003863          0   0.58844E+01  497108.2 3600636.6     0.0     4.27    23.26
5.95     NO
 L0003864          0   0.58844E+01  497069.0 3600667.7     0.0     4.27    23.26
5.95     NO
 L0003865          0   0.58844E+01  497029.8 3600698.7     0.0     4.27    23.26
5.95     NO
 L0003866          0   0.58844E+01  496990.6 3600729.7     0.0     4.27    23.26
5.95     NO
 L0003867          0   0.58844E+01  496951.4 3600760.8     0.0     4.27    23.26
5.95     NO
 L0003868          0   0.58844E+01  496912.2 3600791.8     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

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L0003869	0	0.58844E+01	496873.0	3600822.8	0.0	4.27	23.26	5.95	NO	
L0003870	0	0.58844E+01	496833.8	3600853.9	0.0	4.27	23.26	5.95	NO	
L0003871	0	0.58844E+01	496794.6	3600884.9	0.0	4.27	23.26	5.95	NO	
L0003872	0	0.58844E+01	496755.4	3600916.0	0.0	4.27	23.26	5.95	NO	
L0003873	0	0.58844E+01	496716.2	3600947.0	0.0	4.27	23.26	5.95	NO	
L0003874	0	0.58844E+01	496677.0	3600978.0	0.0	4.27	23.26	5.95	NO	
L0003875	0	0.58844E+01	496638.1	3601009.5	0.0	4.27	23.26	5.95	NO	
L0003876	0	0.58844E+01	496599.4	3601041.0	0.0	4.27	23.26	5.95	NO	
L0003877	0	0.58844E+01	496560.6	3601072.6	0.0	4.27	23.26	5.95	NO	
L0003878	0	0.58844E+01	496521.8	3601104.2	0.0	4.27	23.26	5.95	NO	
L0003879	0	0.58844E+01	496483.0	3601135.7	0.0	4.27	23.26	5.95	NO	
L0003880	0	0.58844E+01	496444.2	3601167.3	0.0	4.27	23.26	5.95	NO	
L0003881	0	0.58844E+01	496405.5	3601198.8	0.0	4.27	23.26	5.95	NO	
L0003882	0	0.58844E+01	496366.7	3601230.4	0.0	4.27	23.26	5.95	NO	
L0003883	0	0.58844E+01	496327.9	3601262.0	0.0	4.27	23.26	5.95	NO	
L0003884	0	0.58844E+01	496289.1	3601293.5	0.0	4.27	23.26	5.95	NO	
L0003885	0	0.58844E+01	496258.6	3601332.8	0.0	4.27	23.26	5.95	NO	
L0003886	0	0.29530E+01	496222.5	3601391.6	0.0	4.27	23.26	5.95	NO	
L0003887	0	0.29530E+01	496201.3	3601436.8	0.0	4.27	23.26	5.95	NO	
L0003888	0	0.29530E+01	496182.7	3601483.2	0.0	4.27	23.26			

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5.95     NO
 L0003889          0   0.29530E+01  496166.3 3601530.4     0.0     4.27    23.26
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 L0003891          0   0.29530E+01  496137.5 3601625.9     0.0     4.27    23.26
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 L0003901          0   0.29530E+01  496042.2 3602116.5     0.0     4.27    23.26
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 L0003902          0   0.29530E+01  496034.2 3602165.8     0.0     4.27    23.26
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 L0003903          0   0.29530E+01  496026.2 3602215.2     0.0     4.27    23.26
5.95     NO
 L0003904          0   0.29530E+01  496018.2 3602264.5     0.0     4.27    23.26
5.95     NO
 L0003905          0   0.29530E+01  496012.6 3602314.1     0.0     4.27    23.26
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 L0003906          0   0.29530E+01  496012.0 3602364.1     0.0     4.27    23.26
5.95     NO
 L0003907          0   0.29530E+01  496011.4 3602414.1     0.0     4.27    23.26
5.95     NO
 L0003908          0   0.29530E+01  496014.9 3602463.9     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003909	0	0.29530E+01	496019.7	3602513.7	0.0	4.27	23.26	5.95	NO	
L0003910	0	0.29530E+01	496024.5	3602563.5	0.0	4.27	23.26	5.95	NO	
L0003911	0	0.29530E+01	496035.5	3602612.0	0.0	4.27	23.26	5.95	NO	
L0003912	0	0.29530E+01	496046.9	3602660.6	0.0	4.27	23.26	5.95	NO	
L0003913	0	0.29530E+01	496056.0	3602709.7	0.0	4.27	23.26	5.95	NO	
L0003914	0	0.29530E+01	496065.1	3602758.9	0.0	4.27	23.26	5.95	NO	
L0003915	0	0.29530E+01	496074.2	3602808.1	0.0	4.27	23.26	5.95	NO	
L0003916	0	0.29530E+01	496083.3	3602857.2	0.0	4.27	23.26	5.95	NO	
L0003917	0	0.29530E+01	496092.4	3602906.4	0.0	4.27	23.26	5.95	NO	
L0003918	0	0.29530E+01	496101.6	3602955.6	0.0	4.27	23.26	5.95	NO	
L0003919	0	0.29530E+01	496110.7	3603004.7	0.0	4.27	23.26	5.95	NO	
L0003920	0	0.29530E+01	496119.8	3603053.9	0.0	4.27	23.26	5.95	NO	
L0003921	0	0.29530E+01	496128.9	3603103.0	0.0	4.27	23.26	5.95	NO	
L0003922	0	0.29530E+01	496138.0	3603152.2	0.0	4.27	23.26	5.95	NO	
L0003923	0	0.29530E+01	496147.1	3603201.4	0.0	4.27	23.26	5.95	NO	
L0003924	0	0.29530E+01	496156.2	3603250.5	0.0	4.27	23.26	5.95	NO	
L0003925	0	0.29530E+01	496165.3	3603299.7	0.0	4.27	23.26	5.95	NO	
L0003926	0	0.29530E+01	496174.4	3603348.9	0.0	4.27	23.26	5.95	NO	
L0003927	0	0.29530E+01	496183.5	3603398.0	0.0	4.27	23.26	5.95	NO	
L0004149	0	0.16544E+01	505205.7	3602558.2	0.0	4.27	23.26			

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 L0004151          0   0.16544E+01  505173.3 3602652.2     0.0     4.27    23.26
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 L0004152          0   0.16544E+01  505164.6 3602701.4     0.0     4.27    23.26
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 L0004153          0   0.16544E+01  505156.2 3602750.6     0.0     4.27    23.26
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 L0004154          0   0.16544E+01  505157.6 3602800.6     0.0     4.27    23.26
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 L0004155          0   0.16544E+01  505159.0 3602850.6     0.0     4.27    23.26
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 L0004156          0   0.16544E+01  505156.8 3602900.3     0.0     4.27    23.26
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 L0004157          0   0.16544E+01  505148.8 3602949.7     0.0     4.27    23.26
5.95     NO
 L0004158          0   0.16544E+01  505140.7 3602999.0     0.0     4.27    23.26
5.95     NO
 L0004159          0   0.16544E+01  505128.1 3603047.3     0.0     4.27    23.26
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 L0004160          0   0.16544E+01  505112.3 3603094.7     0.0     4.27    23.26
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 L0004162          0   0.16544E+01  505057.4 3603176.7     0.0     4.27    23.26
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 L0004163          0   0.16544E+01  505025.6 3603215.2     0.0     4.27    23.26
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 L0004164          0   0.16544E+01  504993.7 3603253.7     0.0     4.27    23.26
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 L0004165          0   0.16544E+01  504952.1 3603280.9     0.0     4.27    23.26
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 L0004166          0   0.16544E+01  504909.0 3603306.2     0.0     4.27    23.26
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 L0004167          0   0.16544E+01  504865.9 3603331.6     0.0     4.27    23.26
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 L0004168          0   0.16544E+01  504822.8 3603356.9     0.0     4.27    23.26
5.95     NO
 L0004169          0   0.16544E+01  504801.8 3603399.6     0.0     4.27    23.26
5.95     NO
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004170	0	0.16544E+01	504787.5	3603447.5	0.0	4.27	23.26	5.95	NO	
L0004171	0	0.16544E+01	504773.1	3603495.4	0.0	4.27	23.26	5.95	NO	
L0004172	0	0.16544E+01	504758.8	3603543.3	0.0	4.27	23.26	5.95	NO	
L0004173	0	0.16544E+01	504742.2	3603590.4	0.0	4.27	23.26	5.95	NO	
L0004174	0	0.16544E+01	504725.0	3603637.4	0.0	4.27	23.26	5.95	NO	
L0004175	0	0.16544E+01	504707.8	3603684.3	0.0	4.27	23.26	5.95	NO	
L0004176	0	0.16544E+01	504688.9	3603730.4	0.0	4.27	23.26	5.95	NO	
L0004177	0	0.16544E+01	504662.2	3603772.7	0.0	4.27	23.26	5.95	NO	
L0004178	0	0.16544E+01	504635.5	3603815.0	0.0	4.27	23.26	5.95	NO	
L0004179	0	0.16544E+01	504608.7	3603857.2	0.0	4.27	23.26	5.95	NO	
L0004180	0	0.16544E+01	504575.0	3603894.1	0.0	4.27	23.26	5.95	NO	
L0004181	0	0.16544E+01	504541.3	3603931.1	0.0	4.27	23.26	5.95	NO	
L0004182	0	0.16544E+01	504507.6	3603968.0	0.0	4.27	23.26	5.95	NO	
L0004183	0	0.16544E+01	504472.2	3604003.2	0.0	4.27	23.26	5.95	NO	
L0004184	0	0.16544E+01	504434.4	3604036.0	0.0	4.27	23.26	5.95	NO	
L0004185	0	0.16544E+01	504396.6	3604068.7	0.0	4.27	23.26	5.95	NO	
L0004186	0	0.16544E+01	504358.3	3604100.8	0.0	4.27	23.26	5.95	NO	
L0004187	0	0.16544E+01	504318.9	3604131.5	0.0	4.27	23.26	5.95	NO	
L0004188	0	0.16544E+01	504279.4	3604162.2	0.0	4.27	23.26	5.95	NO	
L0004189	0	0.16544E+01	504239.9	3604192.9	0.0	4.27	23.26			

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 L0004191          0   0.16544E+01  504161.0 3604254.3     0.0     4.27    23.26
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 L0004192          0   0.16544E+01  504121.5 3604285.0     0.0     4.27    23.26
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 L0004193          0   0.16544E+01  504082.0 3604315.7     0.0     4.27    23.26
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 L0004194          0   0.16544E+01  504042.6 3604346.4     0.0     4.27    23.26
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 L0004195          0   0.16544E+01  504003.1 3604377.0     0.0     4.27    23.26
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 L0004196          0   0.16544E+01  503963.6 3604407.7     0.0     4.27    23.26
5.95     NO
 L0004197          0   0.16544E+01  503924.2 3604438.4     0.0     4.27    23.26
5.95     NO
 L0004198          0   0.16544E+01  503884.7 3604469.1     0.0     4.27    23.26
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 L0004199          0   0.16544E+01  503845.2 3604499.8     0.0     4.27    23.26
5.95     NO
 L0004200          0   0.16544E+01  503805.7 3604530.5     0.0     4.27    23.26
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 L0004201          0   0.16544E+01  503766.3 3604561.2     0.0     4.27    23.26
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 L0004202          0   0.20046E+01  503713.5 3604605.1     0.0     4.27    23.26
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 L0004204          0   0.20046E+01  503639.7 3604672.6     0.0     4.27    23.26
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 L0004205          0   0.20046E+01  503607.4 3604710.8     0.0     4.27    23.26
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 L0004206          0   0.20046E+01  503575.2 3604748.9     0.0     4.27    23.26
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 L0004207          0   0.20046E+01  503542.9 3604787.1     0.0     4.27    23.26
5.95     NO
 L0004208          0   0.20046E+01  503510.6 3604825.3     0.0     4.27    23.26
5.95     NO
 L0004209          0   0.20046E+01  503480.9 3604865.5     0.0     4.27    23.26
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004210	0	0.20046E+01	503452.7	3604906.8	0.0	4.27	23.26	5.95	NO	
L0004211	0	0.20046E+01	503424.5	3604948.0	0.0	4.27	23.26	5.95	NO	
L0004212	0	0.20046E+01	503399.6	3604991.3	0.0	4.27	23.26	5.95	NO	
L0004213	0	0.20046E+01	503376.3	3605035.6	0.0	4.27	23.26	5.95	NO	
L0004214	0	0.20046E+01	503353.0	3605079.8	0.0	4.27	23.26	5.95	NO	
L0004215	0	0.20046E+01	503330.1	3605124.2	0.0	4.27	23.26	5.95	NO	
L0004216	0	0.20046E+01	503311.1	3605170.5	0.0	4.27	23.26	5.95	NO	
L0004217	0	0.20046E+01	503292.2	3605216.8	0.0	4.27	23.26	5.95	NO	
L0004218	0	0.20046E+01	503274.5	3605263.5	0.0	4.27	23.26	5.95	NO	
L0004219	0	0.20046E+01	503257.4	3605310.5	0.0	4.27	23.26	5.95	NO	
L0004220	0	0.20046E+01	503241.2	3605357.8	0.0	4.27	23.26	5.95	NO	
L0004221	0	0.20046E+01	503228.2	3605406.0	0.0	4.27	23.26	5.95	NO	
L0004222	0	0.20046E+01	503215.1	3605454.3	0.0	4.27	23.26	5.95	NO	
L0004223	0	0.20046E+01	503204.6	3605503.1	0.0	4.27	23.26	5.95	NO	
L0004224	0	0.20046E+01	503196.2	3605552.4	0.0	4.27	23.26	5.95	NO	
L0004225	0	0.20046E+01	503187.7	3605601.7	0.0	4.27	23.26	5.95	NO	
L0004226	0	0.20046E+01	503181.0	3605651.2	0.0	4.27	23.26	5.95	NO	
L0004227	0	0.20046E+01	503175.1	3605700.9	0.0	4.27	23.26	5.95	NO	
L0004228	0	0.20046E+01	503175.1	3605750.8	0.0	4.27	23.26	5.95	NO	
L0004229	0	0.20046E+01	503176.7	3605800.8	0.0	4.27	23.26			

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5.95     NO
 L0004230          0   0.20046E+01  503178.4 3605850.7     0.0     4.27    23.26
5.95     NO
 L0004231          0   0.20046E+01  503180.1 3605900.7     0.0     4.27    23.26
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 L0004232          0   0.20046E+01  503181.7 3605950.7     0.0     4.27    23.26
5.95     NO
 L0004233          0   0.20046E+01  503183.4 3606000.7     0.0     4.27    23.26
5.95     NO
 L0004234          0   0.20046E+01  503185.1 3606050.6     0.0     4.27    23.26
5.95     NO
 L0004235          0   0.20046E+01  503192.4 3606099.7     0.0     4.27    23.26
5.95     NO
 L0004236          0   0.20046E+01  503206.1 3606147.8     0.0     4.27    23.26
5.95     NO
 L0004237          0   0.20046E+01  503219.9 3606195.8     0.0     4.27    23.26
5.95     NO
 L0004238          0   0.20046E+01  503233.7 3606243.9     0.0     4.27    23.26
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 L0004239          0   0.20046E+01  503247.5 3606292.0     0.0     4.27    23.26
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 L0004240          0   0.20046E+01  503261.2 3606340.0     0.0     4.27    23.26
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 L0004241          0   0.20046E+01  503275.0 3606388.1     0.0     4.27    23.26
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 L0004242          0   0.20046E+01  503288.8 3606436.2     0.0     4.27    23.26
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 L0004243          0   0.20046E+01  503302.5 3606484.2     0.0     4.27    23.26
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 L0004244          0   0.20046E+01  503316.3 3606532.3     0.0     4.27    23.26
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 L0004245          0   0.20046E+01  503330.1 3606580.4     0.0     4.27    23.26
5.95     NO
 L0004246          0   0.20046E+01  503343.9 3606628.4     0.0     4.27    23.26
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 L0004247          0   0.20046E+01  503349.1 3606678.0     0.0     4.27    23.26
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 L0004248          0   0.20046E+01  503353.0 3606727.9     0.0     4.27    23.26
5.95     NO
 L0004249          0   0.20046E+01  503357.0 3606777.7     0.0     4.27    23.26
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**MODELOPTs: RegDFAULT CONC ELEV

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L0004250	0	0.20046E+01	503360.9	3606827.6	0.0	4.27	23.26	5.95	NO	
L0004251	0	0.20046E+01	503363.2	3606877.5	0.0	4.27	23.26	5.95	NO	
L0004252	0	0.20046E+01	503364.4	3606927.5	0.0	4.27	23.26	5.95	NO	
L0004253	0	0.20046E+01	503365.5	3606977.5	0.0	4.27	23.26	5.95	NO	
L0004254	0	0.20046E+01	503364.1	3607027.4	0.0	4.27	23.26	5.95	NO	
L0004255	0	0.20046E+01	503360.5	3607077.3	0.0	4.27	23.26	5.95	NO	
L0004256	0	0.20046E+01	503356.8	3607127.1	0.0	4.27	23.26	5.95	NO	
L0004257	0	0.20046E+01	503353.2	3607177.0	0.0	4.27	23.26	5.95	NO	
L0004258	0	0.20046E+01	503344.1	3607226.1	0.0	4.27	23.26	5.95	NO	
L0004259	0	0.20046E+01	503333.3	3607274.9	0.0	4.27	23.26	5.95	NO	
L0004260	0	0.20046E+01	503322.6	3607323.7	0.0	4.27	23.26	5.95	NO	
L0004382	0	0.54084E+01	503556.8	3603371.1	0.0	4.27	18.60	5.95	NO	
L0004383	0	0.54084E+01	503596.8	3603370.5	0.0	4.27	18.60	5.95	NO	
L0004384	0	0.54084E+01	503636.8	3603369.8	0.0	4.27	18.60	5.95	NO	
L0004385	0	0.54084E+01	503676.8	3603369.1	0.0	4.27	18.60	5.95	NO	
L0004386	0	0.54084E+01	503716.8	3603368.5	0.0	4.27	18.60	5.95	NO	
L0004387	0	0.54084E+01	503756.8	3603367.8	0.0	4.27	18.60	5.95	NO	
L0004388	0	0.54084E+01	503796.8	3603367.1	0.0	4.27	18.60	5.95	NO	
L0004389	0	0.54084E+01	503836.8	3603366.5	0.0	4.27	18.60	5.95	NO	
L0004390	0	0.54084E+01	503876.8	3603365.8	0.0	4.27	18.60			

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5.95     NO
 L0004391          0   0.54084E+01  503916.8 3603365.1     0.0     4.27    18.60
5.95     NO
 L0004392          0   0.54084E+01  503956.8 3603364.5     0.0     4.27    18.60
5.95     NO
 L0004393          0   0.54084E+01  503996.8 3603363.8     0.0     4.27    18.60
5.95     NO
 L0004394          0   0.54084E+01  504036.8 3603363.1     0.0     4.27    18.60
5.95     NO
 L0004395          0   0.54084E+01  504076.8 3603362.5     0.0     4.27    18.60
5.95     NO
 L0004396          0   0.54084E+01  504116.8 3603361.8     0.0     4.27    18.60
5.95     NO
 L0004397          0   0.54084E+01  504156.8 3603361.1     0.0     4.27    18.60
5.95     NO
 L0004398          0   0.54084E+01  504196.8 3603360.5     0.0     4.27    18.60
5.95     NO
 L0004399          0   0.54084E+01  504236.8 3603359.8     0.0     4.27    18.60
5.95     NO
 L0004400          0   0.54084E+01  504276.7 3603359.1     0.0     4.27    18.60
5.95     NO
 L0004401          0   0.54084E+01  504316.7 3603358.5     0.0     4.27    18.60
5.95     NO
 L0004402          0   0.40563E+01  504366.9 3603357.2     0.0     4.27    18.60
5.95     NO
 L0004403          0   0.40563E+01  504406.9 3603357.0     0.0     4.27    18.60
5.95     NO
 L0004404          0   0.40563E+01  504446.9 3603356.7     0.0     4.27    18.60
5.95     NO
 L0004405          0   0.40563E+01  504486.9 3603356.5     0.0     4.27    18.60
5.95     NO
 L0004406          0   0.40563E+01  504526.9 3603356.3     0.0     4.27    18.60
5.95     NO
 L0004407          0   0.40563E+01  504566.9 3603356.0     0.0     4.27    18.60
5.95     NO
 L0004408          0   0.40563E+01  504606.9 3603355.8     0.0     4.27    18.60
5.95     NO
 L0004409          0   0.40563E+01  504646.9 3603355.6     0.0     4.27    18.60
5.95     NO
 L0004410          0   0.40563E+01  504686.9 3603355.3     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004411	0	0.40563E+01	504726.9	3603355.1	0.0	4.27	18.60	5.95	NO	
L0004412	0	0.40563E+01	504766.9	3603354.9	0.0	4.27	18.60	5.95	NO	
L0004413	0	0.40563E+01	504806.9	3603354.6	0.0	4.27	18.60	5.95	NO	
L0004458	0	0.60781E+01	501070.8	3602603.2	0.0	4.27	18.60	5.95	NO	
L0004459	0	0.60781E+01	501030.8	3602603.0	0.0	4.27	18.60	5.95	NO	
L0004460	0	0.60781E+01	500990.8	3602602.7	0.0	4.27	18.60	5.95	NO	
L0004461	0	0.60781E+01	500950.8	3602602.3	0.0	4.27	18.60	5.95	NO	
L0004462	0	0.60781E+01	500910.8	3602602.0	0.0	4.27	18.60	5.95	NO	
L0004463	0	0.60781E+01	500870.9	3602600.5	0.0	4.27	18.60	5.95	NO	
L0004464	0	0.60781E+01	500831.5	3602593.7	0.0	4.27	18.60	5.95	NO	
L0004465	0	0.60781E+01	500792.1	3602586.9	0.0	4.27	18.60	5.95	NO	
L0004466	0	0.60781E+01	500754.5	3602573.1	0.0	4.27	18.60	5.95	NO	
L0004467	0	0.60781E+01	500718.5	3602555.9	0.0	4.27	18.60	5.95	NO	
L0004468	0	0.60781E+01	500683.3	3602537.0	0.0	4.27	18.60	5.95	NO	
L0004469	0	0.60781E+01	500649.0	3602516.3	0.0	4.27	18.60	5.95	NO	
L0004470	0	0.60781E+01	500614.9	3602495.5	0.0	4.27	18.60	5.95	NO	
L0004471	0	0.60781E+01	500577.9	3602480.6	0.0	4.27	18.60	5.95	NO	
L0004472	0	0.60781E+01	500540.0	3602468.1	0.0	4.27	18.60	5.95	NO	
L0004473	0	0.60781E+01	500500.8	3602459.9	0.0	4.27	18.60	5.95	NO	
L0004474	0	0.60781E+01	500461.3	3602454.1	0.0	4.27	18.60			

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5.95	NO							
L0004475		0	0.60781E+01	500421.4	3602452.4	0.0	4.27	18.60
5.95	NO							
L0004476		0	0.60781E+01	500381.4	3602450.6	0.0	4.27	18.60
5.95	NO							
L0004477		0	0.60781E+01	500341.4	3602450.3	0.0	4.27	18.60
5.95	NO							
L0004478		0	0.60781E+01	500301.4	3602449.9	0.0	4.27	18.60
5.95	NO							
L0004428		0	0.15576E+02	505993.4	3602159.7	0.0	4.27	18.60
5.95	NO							
L0004429		0	0.15576E+02	505953.5	3602158.5	0.0	4.27	18.60
5.95	NO							
L0004430		0	0.15576E+02	505913.7	3602153.9	0.0	4.27	18.60
5.95	NO							
L0004431		0	0.15576E+02	505874.7	3602145.7	0.0	4.27	18.60
5.95	NO							
L0004432		0	0.15576E+02	505838.7	3602129.0	0.0	4.27	18.60
5.95	NO							
L0004433		0	0.15576E+02	505804.8	3602107.8	0.0	4.27	18.60
5.95	NO							
L0004434		0	0.15576E+02	505771.6	3602085.5	0.0	4.27	18.60
5.95	NO							
L0004435		0	0.15576E+02	505738.4	3602063.2	0.0	4.27	18.60
5.95	NO							
L0004436		0	0.15576E+02	505705.2	3602040.9	0.0	4.27	18.60
5.95	NO							
L0004437		0	0.15576E+02	505672.0	3602018.6	0.0	4.27	18.60
5.95	NO							
L0004414		0	0.99670E+01	505627.4	3601988.2	0.0	4.27	18.60
5.95	NO							
L0004415		0	0.99670E+01	505594.7	3601965.3	0.0	4.27	18.60
5.95	NO							
L0004416		0	0.99670E+01	505562.0	3601942.3	0.0	4.27	18.60
5.95	NO							
L0004417		0	0.99670E+01	505529.2	3601919.3	0.0	4.27	18.60
5.95	NO							
L0004418		0	0.99670E+01	505496.5	3601896.3	0.0	4.27	18.60
5.95	NO							
L0004419		0	0.99670E+01	505463.7	3601873.3	0.0	4.27	18.60
5.95	NO							

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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004420	0	0.99670E+01	505431.0	3601850.4	0.0	4.27	18.60	5.95	NO	
L0004421	0	0.99670E+01	505397.6	3601828.4	0.0	4.27	18.60	5.95	NO	
L0004422	0	0.99670E+01	505363.1	3601808.1	0.0	4.27	18.60	5.95	NO	
L0004423	0	0.99670E+01	505328.7	3601787.7	0.0	4.27	18.60	5.95	NO	
L0004424	0	0.99670E+01	505292.7	3601770.3	0.0	4.27	18.60	5.95	NO	
L0004425	0	0.99670E+01	505254.9	3601757.7	0.0	4.27	18.60	5.95	NO	
L0004426	0	0.99670E+01	505216.2	3601747.6	0.0	4.27	18.60	5.95	NO	
L0004427	0	0.99670E+01	505177.3	3601738.9	0.0	4.27	18.60	5.95	NO	
L0004479	0	0.58817E+01	499493.0	3606142.0	0.0	4.27	23.26	5.95	NO	
L0004480	0	0.58817E+01	499509.3	3606094.7	0.0	4.27	23.26	5.95	NO	
L0004481	0	0.58817E+01	499525.6	3606047.4	0.0	4.27	23.26	5.95	NO	
L0004482	0	0.58817E+01	499542.0	3606000.2	0.0	4.27	23.26	5.95	NO	
L0004483	0	0.58817E+01	499558.3	3605952.9	0.0	4.27	23.26	5.95	NO	
L0004484	0	0.58817E+01	499574.6	3605905.7	0.0	4.27	23.26	5.95	NO	
L0004485	0	0.58817E+01	499591.0	3605858.4	0.0	4.27	23.26	5.95	NO	
L0004486	0	0.58817E+01	499607.3	3605811.2	0.0	4.27	23.26	5.95	NO	
L0004487	0	0.58817E+01	499623.6	3605763.9	0.0	4.27	23.26	5.95	NO	
L0004488	0	0.58817E+01	499640.0	3605716.6	0.0	4.27	23.26	5.95	NO	
L0004489	0	0.58817E+01	499656.3	3605669.4	0.0	4.27	23.26	5.95	NO	
L0004490	0	0.58817E+01	499672.6	3605622.1	0.0	4.27	23.26			

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5.95     NO
 L0004491          0   0.58817E+01  499689.0 3605574.9     0.0     4.27    23.26
5.95     NO
 L0004492          0   0.58817E+01  499705.3 3605527.6     0.0     4.27    23.26
5.95     NO
 L0004493          0   0.58817E+01  499721.6 3605480.4     0.0     4.27    23.26
5.95     NO
 L0004494          0   0.58817E+01  499739.9 3605434.6     0.0     4.27    23.26
5.95     NO
 L0004495          0   0.58817E+01  499782.3 3605408.1     0.0     4.27    23.26
5.95     NO
 L0004496          0   0.58817E+01  499824.4 3605381.3     0.0     4.27    23.26
5.95     NO
 L0004497          0   0.58817E+01  499844.0 3605335.3     0.0     4.27    23.26
5.95     NO
 L0004498          0   0.58817E+01  499863.5 3605289.3     0.0     4.27    23.26
5.95     NO
 L0004499          0   0.58817E+01  499883.1 3605243.3     0.0     4.27    23.26
5.95     NO
 L0004500          0   0.58817E+01  499902.7 3605197.3     0.0     4.27    23.26
5.95     NO
 L0004501          0   0.58817E+01  499918.1 3605150.4     0.0     4.27    23.26
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 L0004502          0   0.58817E+01  499918.8 3605100.4     0.0     4.27    23.26
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 L0004503          0   0.58817E+01  499919.6 3605050.5     0.0     4.27    23.26
5.95     NO
 L0004504          0   0.58817E+01  499920.3 3605000.5     0.0     4.27    23.26
5.95     NO
 L0004505          0   0.58817E+01  499921.0 3604950.5     0.0     4.27    23.26
5.95     NO
 L0004506          0   0.58817E+01  499921.8 3604900.5     0.0     4.27    23.26
5.95     NO
 L0004507          0   0.58817E+01  499924.9 3604850.8     0.0     4.27    23.26
5.95     NO
 L0004508          0   0.58817E+01  499935.7 3604801.9     0.0     4.27    23.26
5.95     NO
 L0004509          0   0.58817E+01  499946.5 3604753.1     0.0     4.27    23.26
5.95     NO
 L0004510          0   0.58817E+01  499957.3 3604704.3     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004511	0	0.98625E+01	499970.0	3604650.4	0.0	4.27	23.26	5.95	NO	
L0004512	0	0.98625E+01	499982.4	3604601.9	0.0	4.27	23.26	5.95	NO	
L0004513	0	0.98625E+01	499994.8	3604553.5	0.0	4.27	23.26	5.95	NO	
L0004514	0	0.98625E+01	500007.2	3604505.1	0.0	4.27	23.26	5.95	NO	
L0004515	0	0.98625E+01	500019.6	3604456.6	0.0	4.27	23.26	5.95	NO	
L0004516	0	0.98625E+01	500032.1	3604408.2	0.0	4.27	23.26	5.95	NO	
L0004517	0	0.98625E+01	500044.5	3604359.7	0.0	4.27	23.26	5.95	NO	
L0004518	0	0.98625E+01	500056.9	3604311.3	0.0	4.27	23.26	5.95	NO	
L0004519	0	0.98625E+01	500069.3	3604262.9	0.0	4.27	23.26	5.95	NO	
L0004520	0	0.98625E+01	500081.7	3604214.4	0.0	4.27	23.26	5.95	NO	
L0004521	0	0.98625E+01	500094.1	3604166.0	0.0	4.27	23.26	5.95	NO	
L0004522	0	0.98625E+01	500106.5	3604117.6	0.0	4.27	23.26	5.95	NO	
L0004523	0	0.98625E+01	500118.9	3604069.1	0.0	4.27	23.26	5.95	NO	
L0004524	0	0.98625E+01	500132.3	3604021.0	0.0	4.27	23.26	5.95	NO	
L0004525	0	0.98625E+01	500147.5	3603973.4	0.0	4.27	23.26	5.95	NO	
L0004526	0	0.98625E+01	500162.8	3603925.7	0.0	4.27	23.26	5.95	NO	
L0004527	0	0.98625E+01	500178.1	3603878.1	0.0	4.27	23.26	5.95	NO	
L0004438	0	0.11250E+02	501899.8	3602963.7	0.0	0.00	18.60	5.95	NO	
L0004439	0	0.11250E+02	501899.6	3602923.7	0.0	0.00	18.60	5.95	NO	
L0004440	0	0.11250E+02	501899.3	3602883.7	0.0	0.00	18.60			

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5.95     NO
 L0004441          0   0.11250E+02  501899.0 3602843.7     0.0     0.00    18.60
5.95     NO
 L0004442          0   0.11250E+02  501898.8 3602803.7     0.0     0.00    18.60
5.95     NO
 L0004443          0   0.11250E+02  501898.5 3602763.7     0.0     0.00    18.60
5.95     NO
 L0004444          0   0.11250E+02  501898.3 3602723.7     0.0     0.00    18.60
5.95     NO
 L0004445          0   0.11250E+02  501898.0 3602683.7     0.0     0.00    18.60
5.95     NO
 L0004446          0   0.11250E+02  501897.7 3602643.7     0.0     0.00    18.60
5.95     NO
 L0004447          0   0.11250E+02  501897.5 3602603.7     0.0     0.00    18.60
5.95     NO
 L0004448          0   0.16334E+02  503523.9 3602959.0     0.0     4.27    18.60
5.95     NO
 L0004449          0   0.16334E+02  503524.7 3602919.0     0.0     4.27    18.60
5.95     NO
 L0004450          0   0.16334E+02  503525.4 3602879.0     0.0     4.27    18.60
5.95     NO
 L0004451          0   0.16334E+02  503526.2 3602839.0     0.0     4.27    18.60
5.95     NO
 L0004452          0   0.16334E+02  503527.0 3602799.0     0.0     4.27    18.60
5.95     NO
 L0004453          0   0.16334E+02  503527.7 3602759.0     0.0     4.27    18.60
5.95     NO
 L0004454          0   0.16334E+02  503528.5 3602719.1     0.0     4.27    18.60
5.95     NO
 L0004455          0   0.16334E+02  503529.3 3602679.1     0.0     4.27    18.60
5.95     NO
 L0004456          0   0.16334E+02  503530.0 3602639.1     0.0     4.27    18.60
5.95     NO
 L0004457          0   0.16334E+02  503530.8 3602599.1     0.0     4.27    18.60
5.95     NO
 L0004528          0   0.86535E+01  500285.9 3602470.0     0.0    12.80    18.60
1.98     NO
 L0004529          0   0.86535E+01  500286.1 3602510.0     0.0    12.80    18.60
1.98     NO
 L0004530          0   0.86535E+01  500286.3 3602550.0     0.0    12.80    18.60
1.98     NO
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**MODELOPTs: RegDEFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004531	0	0.86535E+01	500286.4	3602590.0	0.0	12.80	18.60	1.98	NO	
L0004532	0	0.86535E+01	500286.6	3602630.0	0.0	12.80	18.60	1.98	NO	
L0004533	0	0.86535E+01	500286.8	3602670.0	0.0	12.80	18.60	1.98	NO	
L0004534	0	0.86535E+01	500287.0	3602710.0	0.0	12.80	18.60	1.98	NO	
L0004535	0	0.86535E+01	500287.1	3602750.0	0.0	12.80	18.60	1.98	NO	
L0004536	0	0.86535E+01	500287.3	3602790.0	0.0	12.80	18.60	1.98	NO	
L0004537	0	0.86535E+01	500287.5	3602830.0	0.0	12.80	18.60	1.98	NO	
L0004538	0	0.86535E+01	500287.7	3602870.0	0.0	12.80	18.60	1.98	NO	
L0004539	0	0.86535E+01	500287.8	3602910.0	0.0	12.80	18.60	1.98	NO	
L0004540	0	0.86535E+01	500288.0	3602950.0	0.0	12.80	18.60	1.98	NO	
L0004549	0	0.27702E+01	501911.8	3601775.8	0.0	4.27	18.60	5.95	NO	
L0004550	0	0.27702E+01	501951.8	3601775.6	0.0	4.27	18.60	5.95	NO	
L0004551	0	0.27702E+01	501991.8	3601775.5	0.0	4.27	18.60	5.95	NO	
L0004552	0	0.27702E+01	502031.8	3601775.4	0.0	4.27	18.60	5.95	NO	
L0004553	0	0.27702E+01	502071.8	3601775.3	0.0	4.27	18.60	5.95	NO	
L0004554	0	0.27702E+01	502111.8	3601775.1	0.0	4.27	18.60	5.95	NO	
L0004555	0	0.27702E+01	502151.8	3601775.0	0.0	4.27	18.60	5.95	NO	
L0004556	0	0.27702E+01	502191.8	3601774.9	0.0	4.27	18.60	5.95	NO	
L0004557	0	0.27702E+01	502231.8	3601774.8	0.0	4.27	18.60	5.95	NO	
L0004558	0	0.27702E+01	502271.8	3601774.7	0.0	4.27	18.60			

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5.95     NO
 L0004559          0   0.27702E+01  502311.8 3601774.5     0.0     4.27    18.60
5.95     NO
 L0004560          0   0.27702E+01  502351.8 3601774.4     0.0     4.27    18.60
5.95     NO
 L0004561          0   0.27702E+01  502391.8 3601774.3     0.0     4.27    18.60
5.95     NO
 L0004562          0   0.27702E+01  502431.8 3601774.2     0.0     4.27    18.60
5.95     NO
 L0004563          0   0.27702E+01  502471.8 3601774.0     0.0     4.27    18.60
5.95     NO
 L0004564          0   0.27702E+01  502511.8 3601773.9     0.0     4.27    18.60
5.95     NO
 L0004565          0   0.27702E+01  502551.8 3601773.8     0.0     4.27    18.60
5.95     NO
 L0004566          0   0.27702E+01  502591.8 3601773.7     0.0     4.27    18.60
5.95     NO
 L0004567          0   0.27702E+01  502631.8 3601773.6     0.0     4.27    18.60
5.95     NO
 L0004568          0   0.27702E+01  502671.8 3601773.4     0.0     4.27    18.60
5.95     NO
 L0004569          0   0.27702E+01  502711.8 3601773.3     0.0     4.27    18.60
5.95     NO
 L0004570          0   0.27702E+01  502751.8 3601773.2     0.0     4.27    18.60
5.95     NO
 L0004571          0   0.27702E+01  502791.8 3601773.1     0.0     4.27    18.60
5.95     NO
 L0004572          0   0.27702E+01  502831.8 3601772.9     0.0     4.27    18.60
5.95     NO
 L0004573          0   0.27702E+01  502871.8 3601772.8     0.0     4.27    18.60
5.95     NO
 L0004574          0   0.27702E+01  502911.8 3601772.7     0.0     4.27    18.60
5.95     NO
 L0004575          0   0.27702E+01  502951.8 3601772.6     0.0     4.27    18.60
5.95     NO
 L0004576          0   0.27702E+01  502991.8 3601772.5     0.0     4.27    18.60
5.95     NO
 L0004577          0   0.27702E+01  503031.8 3601772.3     0.0     4.27    18.60
5.95     NO
 L0004578          0   0.27702E+01  503071.8 3601772.2     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004579	0	0.27702E+01	503111.8	3601772.1	0.0	4.27	18.60	5.95	NO	
L0004580	0	0.27702E+01	503151.8	3601772.0	0.0	4.27	18.60	5.95	NO	
L0004581	0	0.27702E+01	503191.8	3601771.9	0.0	4.27	18.60	5.95	NO	
L0004582	0	0.27702E+01	503231.8	3601771.7	0.0	4.27	18.60	5.95	NO	
L0004583	0	0.27702E+01	503271.8	3601771.6	0.0	4.27	18.60	5.95	NO	
L0004584	0	0.27702E+01	503311.8	3601771.5	0.0	4.27	18.60	5.95	NO	
L0004585	0	0.27702E+01	503351.8	3601771.4	0.0	4.27	18.60	5.95	NO	
L0004586	0	0.27702E+01	503391.8	3601771.2	0.0	4.27	18.60	5.95	NO	
L0004587	0	0.27702E+01	503431.8	3601771.1	0.0	4.27	18.60	5.95	NO	
L0004588	0	0.27702E+01	503471.8	3601771.0	0.0	4.27	18.60	5.95	NO	
L0004589	0	0.27702E+01	503511.8	3601770.9	0.0	4.27	18.60	5.95	NO	
L0004590	0	0.66447E+01	503536.8	3603392.7	0.0	4.27	18.60	5.95	NO	
L0004591	0	0.66447E+01	503536.5	3603432.7	0.0	4.27	18.60	5.95	NO	
L0004592	0	0.66447E+01	503536.2	3603472.7	0.0	4.27	18.60	5.95	NO	
L0004593	0	0.66447E+01	503536.0	3603512.7	0.0	4.27	18.60	5.95	NO	
L0004594	0	0.66447E+01	503535.7	3603552.7	0.0	4.27	18.60	5.95	NO	
L0004595	0	0.66447E+01	503535.4	3603592.7	0.0	4.27	18.60	5.95	NO	
L0004596	0	0.66447E+01	503535.1	3603632.7	0.0	4.27	18.60	5.95	NO	
L0004597	0	0.66447E+01	503534.8	3603672.7	0.0	4.27	18.60	5.95	NO	
L0004598	0	0.66447E+01	503534.5	3603712.7	0.0	4.27	18.60			

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5.95     NO
 L0004599          0   0.66447E+01  503534.2 3603752.7     0.0     4.27    18.60
5.95     NO
 L0004600          0   0.66447E+01  503534.0 3603792.7     0.0     4.27    18.60
5.95     NO
 L0004601          0   0.66447E+01  503533.7 3603832.7     0.0     4.27    18.60
5.95     NO
 L0004602          0   0.66447E+01  503533.4 3603872.7     0.0     4.27    18.60
5.95     NO
 L0004603          0   0.66447E+01  503533.1 3603912.7     0.0     4.27    18.60
5.95     NO
 L0004604          0   0.66447E+01  503532.8 3603952.7     0.0     4.27    18.60
5.95     NO
 L0004605          0   0.66447E+01  503532.5 3603992.7     0.0     4.27    18.60
5.95     NO
 L0004606          0   0.66447E+01  503532.3 3604032.7     0.0     4.27    18.60
5.95     NO
 L0004607          0   0.66447E+01  503532.0 3604072.7     0.0     4.27    18.60
5.95     NO
 L0004608          0   0.66447E+01  503531.7 3604112.7     0.0     4.27    18.60
5.95     NO
 L0004609          0   0.66447E+01  503531.4 3604152.7     0.0     4.27    18.60
5.95     NO
 L0004610          0   0.66447E+01  503531.1 3604192.7     0.0     4.27    18.60
5.95     NO
 L0004622          0   0.20119E+02  503529.9 3604221.5     0.0     4.27    18.60
5.95     NO
 L0004623          0   0.20119E+02  503530.9 3604261.4     0.0     4.27    18.60
5.95     NO
 L0004624          0   0.20119E+02  503531.9 3604301.4     0.0     4.27    18.60
5.95     NO
 L0004625          0   0.20119E+02  503532.9 3604341.4     0.0     4.27    18.60
5.95     NO
 L0004626          0   0.20119E+02  503534.0 3604381.4     0.0     4.27    18.60
5.95     NO
 L0004627          0   0.20119E+02  503535.0 3604421.4     0.0     4.27    18.60
5.95     NO
 L0004628          0   0.20119E+02  503536.0 3604461.4     0.0     4.27    18.60
5.95     NO
 L0004629          0   0.20119E+02  503537.0 3604501.4     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004630	0	0.20119E+02	503538.1	3604541.3	0.0	4.27	18.60	5.95	NO	
L0004631	0	0.20119E+02	503539.1	3604581.3	0.0	4.27	18.60	5.95	NO	
L0004632	0	0.23797E+02	503559.4	3604587.1	0.0	4.27	18.60	5.95	NO	
L0004633	0	0.23797E+02	503599.4	3604587.2	0.0	4.27	18.60	5.95	NO	
L0004634	0	0.23797E+02	503639.4	3604587.4	0.0	4.27	18.60	5.95	NO	
L0004635	0	0.23797E+02	503679.4	3604587.5	0.0	4.27	18.60	5.95	NO	
L0004636	0	0.23797E+02	503719.4	3604587.7	0.0	4.27	18.60	5.95	NO	
L0004637	0	0.33687E+01	503752.8	3604587.3	0.0	4.27	18.60	5.95	NO	
L0004638	0	0.33687E+01	503792.8	3604586.5	0.0	4.27	18.60	5.95	NO	
L0004639	0	0.33687E+01	503832.8	3604585.8	0.0	4.27	18.60	5.95	NO	
L0004640	0	0.33687E+01	503872.8	3604585.1	0.0	4.27	18.60	5.95	NO	
L0004641	0	0.33687E+01	503912.8	3604584.3	0.0	4.27	18.60	5.95	NO	
L0004642	0	0.33687E+01	503952.8	3604583.6	0.0	4.27	18.60	5.95	NO	
L0004643	0	0.33687E+01	503992.8	3604582.8	0.0	4.27	18.60	5.95	NO	
L0004644	0	0.33687E+01	504032.8	3604582.1	0.0	4.27	18.60	5.95	NO	
L0004645	0	0.33687E+01	504072.8	3604581.4	0.0	4.27	18.60	5.95	NO	
L0004646	0	0.33687E+01	504112.7	3604580.6	0.0	4.27	18.60	5.95	NO	
L0004647	0	0.33687E+01	504152.7	3604579.9	0.0	4.27	18.60	5.95	NO	
L0004648	0	0.33687E+01	504192.7	3604579.2	0.0	4.27	18.60	5.95	NO	
L0004649	0	0.33687E+01	504232.7	3604578.4	0.0	4.27	18.60			

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5.95     NO
 L0004650          0   0.33687E+01  504272.7 3604577.7     0.0     4.27    18.60
5.95     NO
 L0004651          0   0.33687E+01  504312.7 3604577.0     0.0     4.27    18.60
5.95     NO
 L0004652          0   0.33687E+01  504352.7 3604576.2     0.0     4.27    18.60
5.95     NO
 L0004653          0   0.33687E+01  504392.7 3604575.5     0.0     4.27    18.60
5.95     NO
 L0004654          0   0.33687E+01  504432.7 3604574.7     0.0     4.27    18.60
5.95     NO
 L0004655          0   0.33687E+01  504472.7 3604574.0     0.0     4.27    18.60
5.95     NO
 L0004656          0   0.33687E+01  504512.7 3604573.3     0.0     4.27    18.60
5.95     NO
 L0004657          0   0.33687E+01  504552.7 3604572.5     0.0     4.27    18.60
5.95     NO
 L0004658          0   0.33687E+01  504592.7 3604571.8     0.0     4.27    18.60
5.95     NO
 L0004659          0   0.33687E+01  504632.7 3604571.1     0.0     4.27    18.60
5.95     NO
 L0004660          0   0.33687E+01  504672.7 3604570.3     0.0     4.27    18.60
5.95     NO
 L0004661          0   0.33687E+01  504712.6 3604569.6     0.0     4.27    18.60
5.95     NO
 L0004662          0   0.33687E+01  504752.6 3604568.9     0.0     4.27    18.60
5.95     NO
 L0004663          0   0.33687E+01  504792.6 3604568.1     0.0     4.27    18.60
5.95     NO
 L0004664          0   0.33687E+01  504832.6 3604567.4     0.0     4.27    18.60
5.95     NO
 L0004665          0   0.33687E+01  504872.6 3604566.7     0.0     4.27    18.60
5.95     NO
 L0004666          0   0.33687E+01  504912.6 3604565.9     0.0     4.27    18.60
5.95     NO
 L0004667          0   0.33687E+01  504952.6 3604565.2     0.0     4.27    18.60
5.95     NO
 L0004668          0   0.33687E+01  504992.6 3604564.4     0.0     4.27    18.60
5.95     NO
 L0004669          0   0.33687E+01  505032.6 3604563.7     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004670	0	0.33687E+01	505072.6	3604563.0	0.0	4.27	18.60	5.95	NO	
L0004671	0	0.33687E+01	505112.6	3604562.2	0.0	4.27	18.60	5.95	NO	
L0004691	0	0.69355E+01	503551.9	3602572.6	0.0	4.27	18.60	5.95	NO	
L0004692	0	0.69355E+01	503591.9	3602571.9	0.0	4.27	18.60	5.95	NO	
L0004693	0	0.69355E+01	503631.9	3602571.1	0.0	4.27	18.60	5.95	NO	
L0004694	0	0.69355E+01	503671.9	3602570.3	0.0	4.27	18.60	5.95	NO	
L0004695	0	0.69355E+01	503711.9	3602569.6	0.0	4.27	18.60	5.95	NO	
L0004696	0	0.69355E+01	503751.9	3602568.8	0.0	4.27	18.60	5.95	NO	
L0004697	0	0.69355E+01	503791.9	3602568.1	0.0	4.27	18.60	5.95	NO	
L0004698	0	0.69355E+01	503831.9	3602567.3	0.0	4.27	18.60	5.95	NO	
L0004699	0	0.69355E+01	503871.9	3602566.5	0.0	4.27	18.60	5.95	NO	
L0004700	0	0.69355E+01	503911.9	3602565.8	0.0	4.27	18.60	5.95	NO	
L0004701	0	0.69355E+01	503951.9	3602565.0	0.0	4.27	18.60	5.95	NO	
L0004702	0	0.69355E+01	503991.9	3602564.2	0.0	4.27	18.60	5.95	NO	
L0004703	0	0.69355E+01	504031.8	3602563.5	0.0	4.27	18.60	5.95	NO	
L0004704	0	0.69355E+01	504071.8	3602562.7	0.0	4.27	18.60	5.95	NO	
L0004705	0	0.69355E+01	504111.8	3602561.9	0.0	4.27	18.60	5.95	NO	
L0004706	0	0.69355E+01	504151.8	3602561.2	0.0	4.27	18.60	5.95	NO	
L0004707	0	0.69355E+01	504191.8	3602560.4	0.0	4.27	18.60	5.95	NO	

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 ,
	L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 ,
	L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 ,
	L0004012 , L0004013 , L0004014 , L0004015 , L0004016 , L0004017 , L0004018 , L0004019 ,
	L0004020 , L0004021 , L0004022 , L0004023 , L0004024 , L0004025 , L0004026 , L0004027 ,
	L0004028 , L0004029 , L0004030 , L0004031 , L0004032 , L0004033 , L0004034 , L0004035 ,
	L0004036 , L0004037 , L0004038 , L0004039 , L0004040 , L0004041 , L0004042 , L0004043 ,
	L0004044 , L0004045 , L0004046 , L0004047 , L0004048 , L0004049 , L0004050 , L0003123 ,
	L0003124 , L0003125 , L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 ,
	L0003132 , L0003133 , L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 ,
	L0003140 , L0003141 , L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 ,
	L0003148 , L0003149 , L0003150 , L0003151 , L0003152 , L0003153 , L0003154 , L0003155 ,
	L0003156 , L0003157 , L0003158 , L0003159 , L0003160 , L0003161 , L0003162 , L0003163 ,
	L0003928 , L0003929 , L0003930 , L0003931 , L0003932 , L0003933 , L0003934 , L0003935 ,
	L0003936 , L0003937 , L0003938 , L0003939 , L0003940 , L0003941 , L0003942 , L0003943 ,

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            L0003944    , L0003945    , L0003946    , L0003947    , L0003948    ,
L0003949    , L0003950    , L0003951    ,

            L0003952    , L0003953    , L0003954    , L0003955    , L0003956    ,
L0003957    , L0003958    , L0003959    ,

            L0003960    , L0003961    , L0003962    , L0003963    , L0003964    ,
L0003965    , L0003966    , L0003967    ,

            L0003968    , L0003969    , L0003970    , L0003971    , L0003972    ,
L0003973    , L0003974    , L0003975    ,

            L0003976    , L0003977    , L0003978    , L0003979    , L0003980    ,
L0003981    , L0003982    , L0003983    ,
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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0003984 , L0003985 , L0003986 , L0003987 , L0004261 , L0004262 , L0004263 , L0004264 ,

L0004265 , L0004266 , L0004267 , L0004268 , L0004269 , L0004270 , L0004271 , L0004272 ,

L0004273 , L0004274 , L0004275 , L0004276 , L0004277 , L0004278 , L0004279 , L0004280 ,

L0004281 , L0004282 , L0004283 , L0004284 , L0004285 , L0004286 , L0004287 , L0004288 ,

L0004289 , L0004290 , L0004291 , L0004292 , L0004293 , L0004294 , L0004295 , L0004296 ,

L0004297 , L0004298 , L0004299 , L0004300 , L0004301 , L0004302 , L0004303 , L0004304 ,

L0004305 , L0004306 , L0004307 , L0004308 , L0004309 , L0004310 , L0004311 , L0004312 ,

L0004313 , L0004314 , L0004315 , L0004316 , L0004317 , L0004318 , L0004319 , L0004320 ,

L0004321 , L0004322 , L0004323 , L0004324 , L0004325 , L0004326 , L0004327 , L0004328 ,

L0004329 , L0004330 , L0004331 , L0004332 , L0004333 , L0004334 , L0004335 , L0004336 ,

L0004337 , L0004338 , L0004339 , L0004340 , L0004341 , L0004342 , L0004343 , L0004344 ,

L0004345 , L0004346 , L0004347 , L0004348 , L0004349 , L0004350 , L0004351 , L0004352 ,

L0004353 , L0004354 , L0004355 , L0004356 , L0004357 , L0004358 , L0004359 , L0004360 ,

L0004361 , L0004362 , L0004363 , L0004364 , L0004365 , L0004366 , L0004367 , L0004368 ,

L0004369 , L0004370 , L0004371 , L0004372 , L0004373 , L0004374 , L0004375 , L0004376 ,

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L0004377 , L0004378 , L0004379 , L0004380 , L0004381 , L0004051 , L0004052 , L0004053 ,

L0004054 , L0004055 , L0004056 , L0004057 , L0004058 , L0004059 , L0004060 , L0004061 ,

L0004062 , L0004063 , L0004064 , L0004065 , L0004066 , L0004067 , L0004068 , L0004069 ,

L0004070 , L0004071 , L0004072 , L0004073 , L0004074 , L0004075 , L0004076 , L0004077 ,

L0004078 , L0004079 , L0004080 , L0004081 , L0004082 , L0004083 , L0004084 , L0004085 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0004086 , L0004087 , L0004088 , L0004089 , L0004090 , L0004091 , L0004092 , L0004093 ,

L0004094 , L0004095 , L0004096 , L0004097 , L0004098 , L0004099 , L0004100 , L0004101 ,

L0004102 , L0004103 , L0004104 , L0004105 , L0004106 , L0004107 , L0004108 , L0004109 ,

L0004110 , L0004111 , L0004112 , L0004113 , L0004114 , L0004115 , L0004116 , L0004117 ,

L0004118 , L0004119 , L0004120 , L0004121 , L0004122 , L0004123 , L0004124 , L0004125 ,

L0004126 , L0004127 , L0004128 , L0004129 , L0004130 , L0004131 , L0004132 , L0004133 ,

L0004134 , L0004135 , L0004136 , L0004137 , L0004138 , L0004139 , L0004140 , L0004141 ,

L0004142 , L0004143 , L0004144 , L0004145 , L0004146 , L0004147 , L0004148 , L0003164 ,

L0003165 , L0003166 , L0003167 , L0003168 , L0003169 , L0003170 , L0003171 , L0003172 ,

L0003861 , L0003862 , L0003863 , L0003864 , L0003865 , L0003866 , L0003867 , L0003868 ,

L0003869 , L0003870 , L0003871 , L0003872 , L0003873 , L0003874 , L0003875 , L0003876 ,

L0003877 , L0003878 , L0003879 , L0003880 , L0003881 , L0003882 , L0003883 , L0003884 ,

L0003885 , L0003886 , L0003887 , L0003888 , L0003889 , L0003890 , L0003891 , L0003892 ,

L0003893 , L0003894 , L0003895 , L0003896 , L0003897 , L0003898 , L0003899 , L0003900 ,

L0003901 , L0003902 , L0003903 , L0003904 , L0003905 , L0003906 , L0003907 , L0003908 ,

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L0003909 , L0003910 , L0003911 , L0003912 , L0003913 , L0003914 , L0003915 , L0003916 ,

L0003917 , L0003918 , L0003919 , L0003920 , L0003921 , L0003922 , L0003923 , L0003924 ,

L0003925 , L0003926 , L0003927 , L0004149 , L0004150 , L0004151 , L0004152 , L0004153 ,

L0004154 , L0004155 , L0004156 , L0004157 , L0004158 , L0004159 , L0004160 , L0004161 ,

L0004162 , L0004163 , L0004164 , L0004165 , L0004166 , L0004167 , L0004168 , L0004169 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0004170 , L0004171 , L0004172 , L0004173 , L0004174 , L0004175 , L0004176 , L0004177 ,

L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 , L0004185 ,

L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 , L0004193 ,

L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , L0004200 , L0004201 ,

L0004202 , L0004203 , L0004204 , L0004205 , L0004206 , L0004207 , L0004208 , L0004209 ,

L0004210 , L0004211 , L0004212 , L0004213 , L0004214 , L0004215 , L0004216 , L0004217 ,

L0004218 , L0004219 , L0004220 , L0004221 , L0004222 , L0004223 , L0004224 , L0004225 ,

L0004226 , L0004227 , L0004228 , L0004229 , L0004230 , L0004231 , L0004232 , L0004233 ,

L0004234 , L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 ,

L0004242 , L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 ,

L0004250 , L0004251 , L0004252 , L0004253 , L0004254 , L0004255 , L0004256 , L0004257 ,

L0004258 , L0004259 , L0004260 , L0004382 , L0004383 , L0004384 , L0004385 , L0004386 ,

L0004387 , L0004388 , L0004389 , L0004390 , L0004391 , L0004392 , L0004393 , L0004394 ,

L0004395 , L0004396 , L0004397 , L0004398 , L0004399 , L0004400 , L0004401 , L0004402 ,

L0004403 , L0004404 , L0004405 , L0004406 , L0004407 , L0004408 , L0004409 , L0004410 ,

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L0004411 , L0004412 , L0004413 , L0004458 , L0004459 , L0004460 , L0004461 , L0004462 ,

L0004463 , L0004464 , L0004465 , L0004466 , L0004467 , L0004468 , L0004469 , L0004470 ,

L0004471 , L0004472 , L0004473 , L0004474 , L0004475 , L0004476 , L0004477 , L0004478 ,

L0004428 , L0004429 , L0004430 , L0004431 , L0004432 , L0004433 , L0004434 , L0004435 ,

L0004436 , L0004437 , L0004414 , L0004415 , L0004416 , L0004417 , L0004418 , L0004419 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0004420 , L0004421 , L0004422 , L0004423 , L0004424 , L0004425 , L0004426 , L0004427 ,

L0004479 , L0004480 , L0004481 , L0004482 , L0004483 , L0004484 , L0004485 , L0004486 ,

L0004487 , L0004488 , L0004489 , L0004490 , L0004491 , L0004492 , L0004493 , L0004494 ,

L0004495 , L0004496 , L0004497 , L0004498 , L0004499 , L0004500 , L0004501 , L0004502 ,

L0004503 , L0004504 , L0004505 , L0004506 , L0004507 , L0004508 , L0004509 , L0004510 ,

L0004511 , L0004512 , L0004513 , L0004514 , L0004515 , L0004516 , L0004517 , L0004518 ,

L0004519 , L0004520 , L0004521 , L0004522 , L0004523 , L0004524 , L0004525 , L0004526 ,

L0004527 , L0004438 , L0004439 , L0004440 , L0004441 , L0004442 , L0004443 , L0004444 ,

L0004445 , L0004446 , L0004447 , L0004448 , L0004449 , L0004450 , L0004451 , L0004452 ,

L0004453 , L0004454 , L0004455 , L0004456 , L0004457 , L0004528 , L0004529 , L0004530 ,

L0004531 , L0004532 , L0004533 , L0004534 , L0004535 , L0004536 , L0004537 , L0004538 ,

L0004539 , L0004540 , L0004549 , L0004550 , L0004551 , L0004552 , L0004553 , L0004554 ,

L0004555 , L0004556 , L0004557 , L0004558 , L0004559 , L0004560 , L0004561 , L0004562 ,

L0004563 , L0004564 , L0004565 , L0004566 , L0004567 , L0004568 , L0004569 , L0004570 ,

L0004571 , L0004572 , L0004573 , L0004574 , L0004575 , L0004576 , L0004577 , L0004578 ,

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L0004579 , L0004580 , L0004581 , L0004582 , L0004583 , L0004584 , L0004585 , L0004586 ,

L0004587 , L0004588 , L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 ,

L0004595 , L0004596 , L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 ,

L0004603 , L0004604 , L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,

L0004622 , L0004623 , L0004624 , L0004625 , L0004626 , L0004627 , L0004628 , L0004629 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0004630 , L0004631 , L0004632 , L0004633 , L0004634 , L0004635 , L0004636 , L0004637 ,
	L0004638 , L0004639 , L0004640 , L0004641 , L0004642 , L0004643 , L0004644 , L0004645 ,
	L0004646 , L0004647 , L0004648 , L0004649 , L0004650 , L0004651 , L0004652 , L0004653 ,
	L0004654 , L0004655 , L0004656 , L0004657 , L0004658 , L0004659 , L0004660 , L0004661 ,
	L0004662 , L0004663 , L0004664 , L0004665 , L0004666 , L0004667 , L0004668 , L0004669 ,
	L0004670 , L0004671 , L0004691 , L0004692 , L0004693 , L0004694 , L0004695 , L0004696 ,
	L0004697 , L0004698 , L0004699 , L0004700 , L0004701 , L0004702 , L0004703 , L0004704 ,
	L0004705 , L0004706 , L0004707 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

495921.3, 496071.3, 496221.3, 496371.3, 496521.3, 496671.3, 496821.3, 496971.3, 497121.3, 497271.3,
497421.3, 497571.3, 497721.3, 497871.3, 498021.3, 498171.3, 498321.3, 498471.3, 498621.3, 498771.3,
498921.3,

*** Y-COORDINATES OF GRID ***
(METERS)

3600584.9, 3600734.9, 3600884.9, 3601034.9, 3601184.9, 3601334.9, 3601484.9, 3601634.9, 3601784.9, 3601934.9,
3602084.9, 3602234.9, 3602384.9, 3602534.9, 3602684.9, 3602834.9, 3602984.9, 3603134.9, 3603284.9, 3603434.9,
3603584.9,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32	496671.32	496821.32	496971.32	497121.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.90 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497271.32	497421.32	497571.32	497721.32	497871.32	498021.32	498171.32	498321.32	498471.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.90 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498621.32	498771.32	498921.32
3603584.90	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00
3600584.90	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32	496671.32	496821.32	496971.32	497121.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.90 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497271.32	497421.32	497571.32	497721.32	497871.32	498021.32	498171.32	498321.32	498471.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.90 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498621.32	498771.32	498921.32
3603584.90	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00
3600584.90	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

495924.4, 496074.4, 496224.4, 496374.4, 496524.4, 496674.4, 496824.4, 496974.4, 497124.4, 497274.4,
497424.4, 497574.4, 497724.4, 497874.4, 498024.4, 498174.4, 498324.4, 498474.4, 498624.4, 498774.4,
498924.4,

*** Y-COORDINATES OF GRID ***
(METERS)

3603567.5, 3603717.5, 3603867.5, 3604017.5, 3604167.5, 3604317.5, 3604467.5, 3604617.5, 3604767.5, 3604917.5,
3605067.5, 3605217.5, 3605367.5, 3605517.5, 3605667.5, 3605817.5, 3605967.5, 3606117.5, 3606267.5, 3606417.5,
3606567.5,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40	496674.40	496824.40	496974.40	497124.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603567.52 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497274.40	497424.40	497574.40	497724.40	497874.40	498024.40	498174.40	498324.40	498474.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603567.52 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498624.40	498774.40	498924.40
3606567.52	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00
3603567.52	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40	496674.40	496824.40	496974.40	497124.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603567.52 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497274.40	497424.40	497574.40	497724.40	497874.40	498024.40	498174.40	498324.40	498474.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603567.52 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498624.40	498774.40	498924.40
3606567.52	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00
3603567.52	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

498904.5, 499054.5, 499204.5, 499354.5, 499504.5, 499654.5, 499804.5, 499954.5, 500104.5, 500254.5,
500404.5, 500554.5, 500704.5, 500854.5, 501004.5, 501154.5, 501304.5, 501454.5, 501604.5, 501754.5,
501904.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3600584.8, 3600734.8, 3600884.8, 3601034.8, 3601184.8, 3601334.8, 3601484.8, 3601634.8, 3601784.8, 3601934.8,
3602084.8, 3602234.8, 3602384.8, 3602534.8, 3602684.8, 3602834.8, 3602984.8, 3603134.8, 3603284.8, 3603434.8,
3603584.8,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52	499654.52	499804.52	499954.52	500104.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600584.79 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500254.52	500404.52	500554.52	500704.52	500854.52	501004.52	501154.52	501304.52	501454.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.79 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501604.52	501754.52	501904.52
3603584.79	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00
3600584.79	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52	499654.52	499804.52	499954.52	500104.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.79 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500254.52	500404.52	500554.52	500704.52	500854.52	501004.52	501154.52	501304.52	501454.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.79 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501604.52	501754.52	501904.52
3603584.79	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00
3600584.79	0.00	0.00	0.00

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

498903.4, 499053.4, 499203.4, 499353.4, 499503.4, 499653.4, 499803.4, 499953.4, 500103.4, 500253.4,
500403.4, 500553.4, 500703.4, 500853.4, 501003.4, 501153.4, 501303.4, 501453.4, 501603.4, 501753.4,
501903.4,

*** Y-COORDINATES OF GRID ***
(METERS)

3603568.1, 3603718.1, 3603868.1, 3604018.1, 3604168.1, 3604318.1, 3604468.1, 3604618.1, 3604768.1, 3604918.1,
3605068.1, 3605218.1, 3605368.1, 3605518.1, 3605668.1, 3605818.1, 3605968.1, 3606118.1, 3606268.1, 3606418.1,
3606568.1,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40	499653.40	499803.40	499953.40	500103.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500253.40	500403.40	500553.40	500703.40	500853.40	501003.40	501153.40	501303.40	501453.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501603.40	501753.40	501903.40
3606568.08	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00
3603568.08	0.00	0.00	0.00

You created this PDF from an application that is not licensed to print to novaPDF printer (http://www.novapdf.com)

**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40	499653.40	499803.40	499953.40	500103.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500253.40	500403.40	500553.40	500703.40	500853.40	501003.40	501153.40	501303.40	501453.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501603.40	501753.40	501903.40
3606568.08	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00
3603568.08	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

501887.1, 502037.1, 502187.1, 502337.1, 502487.1, 502637.1, 502787.1, 502937.1, 503087.1, 503237.1,
503387.1, 503537.1, 503687.1, 503837.1, 503987.1, 504137.1, 504287.1, 504437.1, 504587.1, 504737.1,
504887.1,

*** Y-COORDINATES OF GRID ***
(METERS)

3600585.1, 3600735.1, 3600885.1, 3601035.1, 3601185.1, 3601335.1, 3601485.1, 3601635.1, 3601785.1, 3601935.1,
3602085.1, 3602235.1, 3602385.1, 3602535.1, 3602685.1, 3602835.1, 3602985.1, 3603135.1, 3603285.1, 3603435.1,
3603585.1,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15	502637.15	502787.15	502937.15	503087.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600585.14 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503237.15	503387.15	503537.15	503687.15	503837.15	503987.15	504137.15	504287.15	504437.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600585.14 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504587.15	504737.15	504887.15
3603585.14	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00
3600585.14	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15	502637.15	502787.15	502937.15	503087.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600585.14 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503237.15	503387.15	503537.15	503687.15	503837.15	503987.15	504137.15	504287.15	504437.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600585.14 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504587.15	504737.15	504887.15
3603585.14	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00
3600585.14	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

501885.7, 502035.7, 502185.7, 502335.7, 502485.7, 502635.7, 502785.7, 502935.7, 503085.7, 503235.7,
503385.7, 503535.7, 503685.7, 503835.7, 503985.7, 504135.7, 504285.7, 504435.7, 504585.7, 504735.7,
504885.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3603565.9, 3603715.9, 3603865.9, 3604015.9, 3604165.9, 3604315.9, 3604465.9, 3604615.9, 3604765.9, 3604915.9,
3605065.9, 3605215.9, 3605365.9, 3605515.9, 3605665.9, 3605815.9, 3605965.9, 3606115.9, 3606265.9, 3606415.9,
3606565.9,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74	502635.74	502785.74	502935.74	503085.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603565.94 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503235.74	503385.74	503535.74	503685.74	503835.74	503985.74	504135.74	504285.74	504435.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603565.94 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504585.74	504735.74	504885.74
3606565.94	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00
3603565.94	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74	502635.74	502785.74	502935.74	503085.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603565.94 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503235.74	503385.74	503535.74	503685.74	503835.74	503985.74	504135.74	504285.74	504435.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603565.94 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504585.74	504735.74	504885.74
3606565.94	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00
3603565.94	0.00	0.00	0.00

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

504863.6, 505013.6, 505163.6, 505313.6, 505463.6, 505613.6, 505763.6, 505913.6, 506063.6, 506213.6,
506363.6, 506513.6, 506663.6, 506813.6, 506963.6, 507113.6, 507263.6, 507413.6, 507563.6, 507713.6,
507863.6,

*** Y-COORDINATES OF GRID ***
(METERS)

3600584.0, 3600734.0, 3600884.0, 3601034.0, 3601184.0, 3601334.0, 3601484.0, 3601634.0, 3601784.0, 3601934.0,
3602084.0, 3602234.0, 3602384.0, 3602534.0, 3602684.0, 3602834.0, 3602984.0, 3603134.0, 3603284.0, 3603434.0,
3603584.0,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59	505613.59	505763.59	505913.59	506063.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600583.99 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.59	506363.59	506513.59	506663.59	506813.59	506963.59	507113.59	507263.59	507413.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600583.99 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.59	507713.59	507863.59
3603583.99	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00
3600583.99	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59	505613.59	505763.59	505913.59	506063.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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```
  3600583.99 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.59	506363.59	506513.59	506663.59	506813.59	506963.59	507113.59	507263.59	507413.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600583.99 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.59	507713.59	507863.59
3603583.99	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00
3600583.99	0.00	0.00	0.00

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

504864.0, 505014.0, 505164.0, 505314.0, 505464.0, 505614.0, 505764.0, 505914.0, 506064.0, 506214.0,
506364.0, 506514.0, 506664.0, 506814.0, 506964.0, 507114.0, 507264.0, 507414.0, 507564.0, 507714.0,
507864.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3603564.5, 3603714.5, 3603864.5, 3604014.5, 3604164.5, 3604314.5, 3604464.5, 3604614.5, 3604764.5, 3604914.5,
3605064.5, 3605214.5, 3605364.5, 3605514.5, 3605664.5, 3605814.5, 3605964.5, 3606114.5, 3606264.5, 3606414.5,
3606564.5,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98	505613.98	505763.98	505913.98	506063.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603564.47 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.98	506363.98	506513.98	506663.98	506813.98	506963.98	507113.98	507263.98	507413.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603564.47 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.98	507713.98	507863.98
3606564.47	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00
3603564.47	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98	505613.98	505763.98	505913.98	506063.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603564.47 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.98	506363.98	506513.98	506663.98	506813.98	506963.98	507113.98	507263.98	507413.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603564.47 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.98	507713.98	507863.98
3606564.47	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00
3603564.47	0.00	0.00	0.00

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003989	505763.6	3601484.0	-6.38
L0003992	505763.6	3601634.0	-1.07
L0004001	505613.6	3602084.0	-29.25
L0004002	505613.6	3602084.0	-5.90
L0004005	505463.6	3602234.0	-28.90
L0004006	505463.6	3602234.0	-20.99
L0004009	505313.6	3602384.0	-11.09
L0004010	505313.6	3602384.0	-21.85
L0004014	505163.6	3602534.0	-8.45
L0004022	504887.1	3602835.1	-26.42
L0004022	504863.6	3602834.0	-4.05
L0004023	504887.1	3602835.1	-22.95
L0004023	504863.6	3602834.0	-30.55
L0004029	504587.1	3602985.1	-19.81
L0004032	504437.1	3602985.1	-35.76
L0004035	504287.1	3602985.1	-36.99
L0004036	504287.1	3602985.1	0.96
L0004038	504137.1	3602985.1	-38.23
L0004039	504137.1	3602985.1	0.66

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L0004041	503987.1	3602985.1	-39.46
L0004042	503987.1	3602985.1	0.39
L0004044	503837.1	3602985.1	-40.69
L0004045	503837.1	3602985.1	0.15
L0004047	503687.1	3602985.1	-41.92
L0004048	503687.1	3602985.1	-0.05
L0004050	503537.1	3602985.1	-43.15
L0003124	498171.3	3603434.9	-5.62
L0003126	498021.3	3603434.9	-23.99
L0003127	498021.3	3603434.9	-23.54
L0003129	497871.3	3603434.9	-4.11
L0003130	497871.3	3603434.9	-5.55
L0003132	497721.3	3603434.9	0.60
L0003133	497721.3	3603434.9	-9.23
L0003135	497571.3	3603434.9	-8.89
L0003136	497571.3	3603434.9	-20.80
L0003138	497421.3	3603434.9	-15.59
L0003139	497421.3	3603434.9	-29.82
L0003141	497271.3	3603434.9	-17.73
L0003142	497271.3	3603434.9	-32.03
L0003144	497121.3	3603434.9	-15.15

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003145	497121.3	3603434.9	- 26.67
L0003147	496971.3	3603434.9	- 11.03
L0003148	496971.3	3603434.9	- 22.36
L0003150	496821.3	3603434.9	- 10.63
L0003151	496821.3	3603434.9	- 23.22
L0003153	496671.3	3603434.9	- 11.47
L0003154	496671.3	3603434.9	- 24.45
L0003156	496521.3	3603434.9	- 12.26
L0003157	496521.3	3603434.9	- 25.64
L0003159	496371.3	3603434.9	- 13.00
L0003160	496371.3	3603434.9	- 26.77
L0003162	496221.3	3603434.9	- 13.68
L0003163	496221.3	3603434.9	- 27.85
L0003928	496221.3	3603434.9	- 19.43
L0003930	496221.3	3603584.9	- 7.47
L0003930	496224.4	3603567.5	- 22.74
L0003931	496221.3	3603584.9	- 42.27
L0003931	496224.4	3603567.5	- 24.66
L0003933	496224.4	3603717.5	- 19.21

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L0003934	496224.4	3603717.5	-
16.59			
L0003943	496374.4	3604167.5	-
7.28			
L0003945	496374.4	3604317.5	-
6.86			
L0003946	496374.4	3604317.5	-
33.34			
L0003948	496374.4	3604467.5	-
9.24			
L0003949	496374.4	3604467.5	-
31.36			
L0003952	496374.4	3604617.5	-
4.89			
L0003958	496524.4	3604917.5	-
1.31			
L0003961	496524.4	3605067.5	-
29.55			
L0003962	496524.4	3605067.5	-
1.52			
L0003963	496524.4	3605217.5	-
5.73			
L0003964	496524.4	3605217.5	-
39.92			
L0003967	496524.4	3605367.5	-
15.78			
L0003970	496524.4	3605517.5	
0.25			
L0004263	498771.3	3603434.9	-
35.87			
L0004264	498771.3	3603434.9	-
1.45			
L0004266	498921.3	3603434.9	-
8.33			
L0004266	498904.5	3603434.8	-
25.05			
L0004267	498921.3	3603434.9	-
31.49			
L0004267	498904.5	3603434.8	-
14.75			
L0004270	499054.5	3603434.8	-
35.15			

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0004271	499054.5	3603434.8	-4.80
L0004273	499204.5	3603434.8	-5.08
L0004274	499204.5	3603434.8	-34.06
L0004277	499354.5	3603434.8	-14.68
L0004278	499354.5	3603434.8	-23.91
L0004281	499504.5	3603434.8	-32.67
L0004282	499504.5	3603434.8	0.26
L0004284	499654.5	3603434.8	-8.49
L0004285	499654.5	3603434.8	-27.39
L0004288	499804.5	3603434.8	-17.65
L0004289	499804.5	3603434.8	-18.41
L0004292	499954.5	3603434.8	-26.63
L0004293	499954.5	3603434.8	-6.23
L0004295	500104.5	3603434.8	0.23
L0004296	500104.5	3603434.8	-26.56
L0004299	500254.5	3603434.8	-7.87
L0004300	500254.5	3603434.8	-20.08
L0004303	500404.5	3603434.8	-18.63
L0004304	500404.5	3603434.8	-5.71

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L0004307	500554.5	3603434.8	- 19.18
L0004310	500704.5	3603434.8	- 1.25
L0004311	500704.5	3603434.8	- 15.02
L0004314	500854.5	3603434.8	- 6.78
L0004315	500854.5	3603434.8	- 7.95
L0004318	501004.5	3603434.8	- 9.70
L0004319	501004.5	3603434.8	0.55
L0004322	501154.5	3603434.8	- 7.73
L0004325	501304.5	3603434.8	- 0.01
L0004326	501304.5	3603434.8	- 0.93
L0004329	501454.5	3603434.8	- 1.25
L0004333	501604.5	3603434.8	0.30
L0004051	503537.1	3602985.1	- 11.36
L0004053	503387.1	3602985.1	- 36.52
L0004054	503387.1	3602985.1	- 11.45
L0004056	503237.1	3602985.1	- 36.74
L0004057	503237.1	3602985.1	- 11.52
L0004059	503087.1	3602985.1	- 36.94
L0004060	503087.1	3602985.1	- 11.59
L0004062	502937.1	3602985.1	- 37.14
L0004063	502937.1	3602985.1	- 11.65

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0004065	502787.1	3602985.1	- 37.31
L0004066	502787.1	3602985.1	- 11.71
L0004068	502637.1	3602985.1	- 37.47
L0004069	502637.1	3602985.1	- 11.76
L0004071	502487.1	3602985.1	- 37.61
L0004072	502487.1	3602985.1	- 11.81
L0004074	502337.1	3602985.1	- 37.73
L0004075	502337.1	3602985.1	- 11.85
L0004077	502187.1	3602985.1	- 37.84
L0004078	502187.1	3602985.1	- 11.88
L0004080	502037.1	3602985.1	- 37.92
L0004081	502037.1	3602985.1	- 11.91
L0004082	501904.5	3602984.8	- 5.43
L0004083	501904.5	3602984.8	- 20.38
L0004083	501887.1	3602985.1	- 37.68
L0004085	501754.5	3602984.8	- 29.59
L0004086	501754.5	3602984.8	- 20.41
L0004088	501604.5	3602984.8	- 28.88
L0004089	501604.5	3602984.8	- 19.34

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L0004091	501454.5	3602984.8	-19.12
L0004092	501454.5	3602984.8	-9.47
L0004094	501304.5	3602984.8	-0.17
L0004107	500704.5	3602984.8	-0.36
L0004109	500554.5	3602984.8	-19.60
L0004110	500554.5	3602984.8	-20.42
L0004112	500404.5	3602984.8	-25.23
L0004113	500404.5	3602984.8	-23.78
L0004115	500254.5	3602984.8	-40.54
L0004116	500254.5	3602984.8	-9.38
L0004118	500104.5	3602984.8	-7.24
L0004122	499954.5	3603134.8	-16.30
L0004124	499804.5	3603134.8	-7.15
L0004125	499804.5	3603134.8	-18.48
L0004143	498921.3	3603134.9	-1.09
L0004143	498904.5	3603134.8	-1.78
L0003167	498471.3	3603284.9	-26.01
L0003168	498471.3	3603284.9	-17.73
L0003170	498321.3	3603284.9	-6.17
L0003862	497121.3	3600584.9	-16.72
L0003866	496971.3	3600734.9	-30.04

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003867	496971.3	3600734.9	- 17.37
L0003870	496821.3	3600884.9	- 16.57
L0003871	496821.3	3600884.9	- 23.30
L0003875	496671.3	3601034.9	- 8.20
L0003881	496371.3	3601184.9	- 13.14
L0003882	496371.3	3601184.9	- 4.27
L0003885	496221.3	3601334.9	- 12.66
L0003888	496221.3	3601484.9	- 11.35
L0003894	496071.3	3601784.9	- 8.29
L0003895	496071.3	3601784.9	- 0.67
L0003897	496071.3	3601934.9	- 30.45
L0003898	496071.3	3601934.9	- 14.54
L0003900	496071.3	3602084.9	- 22.50
L0003901	496071.3	3602084.9	- 7.07
L0003903	496071.3	3602234.9	- 0.77
L0003912	496071.3	3602684.9	- 15.54
L0003913	496071.3	3602684.9	- 20.83
L0003915	496071.3	3602834.9	- 23.02
L0003916	496071.3	3602834.9	- 24.65

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L0003918	496071.3	3602984.9	-7.88
L0003919	496071.3	3602984.9	-5.96
L0004149	505163.6	3602534.0	-1.50
L0004151	505163.6	3602684.0	-16.72
L0004152	505163.6	3602684.0	-32.58
L0004154	505163.6	3602834.0	-16.10
L0004155	505163.6	3602834.0	-32.78
L0004157	505163.6	3602984.0	-12.63
L0004158	505163.6	3602984.0	-22.61
L0004164	505013.6	3603284.0	-13.80
L0004166	504887.1	3603285.1	-19.64
L0004166	504863.6	3603284.0	0.56
L0004167	504863.6	3603284.0	-2.36
L0004172	504737.1	3603585.1	-2.88
L0004172	504735.7	3603565.9	-17.68
L0004173	504737.1	3603585.1	-42.73
L0004173	504735.7	3603565.9	-24.70
L0004175	504735.7	3603715.9	-7.80
L0004176	504735.7	3603715.9	-0.97
L0004179	504585.7	3603865.9	-25.45
L0004180	504585.7	3603865.9	-19.84

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0004183	504435.7	3604015.9	- 11.36
L0004184	504435.7	3604015.9	- 29.95
L0004187	504285.7	3604165.9	- 2.22
L0004188	504285.7	3604165.9	- 42.64
L0004192	504135.7	3604315.9	- 15.92
L0004198	503835.7	3604465.9	- 0.96
L0004199	503835.7	3604465.9	- 14.83
L0004202	503685.7	3604615.9	- 20.22
L0004203	503685.7	3604615.9	- 25.42
L0004206	503535.7	3604765.9	- 7.09
L0004207	503535.7	3604765.9	- 27.64
L0004211	503385.7	3604915.9	0.27
L0004213	503385.7	3605065.9	- 18.19
L0004214	503385.7	3605065.9	- 14.42
L0004220	503235.7	3605365.9	- 40.19
L0004221	503235.7	3605365.9	- 9.20
L0004223	503235.7	3605515.9	- 16.39
L0004235	503235.7	3606115.9	- 3.68
L0004236	503235.7	3606115.9	- 6.53

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L0004238	503235.7	3606265.9	-27.88
L0004239	503235.7	3606265.9	-21.46
L0004241	503235.7	3606415.9	-1.88
L0004467	500704.5	3602534.8	-14.64
L0004468	500704.5	3602534.8	-18.63
L0004434	505763.6	3602084.0	-31.83
L0004435	505763.6	3602084.0	-7.31
L0004415	505613.6	3601934.0	-3.46
L0004423	505313.6	3601784.0	-24.41
L0004424	505313.6	3601784.0	-15.04
L0004479	499503.4	3606118.1	-23.95
L0004480	499503.4	3606118.1	-25.89
L0004482	499503.4	3605968.1	0.17
L0004486	499653.4	3605818.1	-3.39
L0004488	499653.4	3605668.1	0.38
L0004489	499653.4	3605668.1	-46.82
L0004490	499653.4	3605668.1	-0.19
L0004495	499803.4	3605368.1	-4.74
L0004496	499803.4	3605368.1	-25.20
L0004502	499953.4	3605068.1	-2.65
L0004503	499953.4	3605068.1	-11.86

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0004505	499953.4	3604918.1	-4.22
L0004506	499953.4	3604918.1	-13.79
L0004508	499953.4	3604768.1	-11.80
L0004509	499953.4	3604768.1	-33.52
L0004511	499953.4	3604618.1	-13.70
L0004512	499953.4	3604618.1	-16.79
L0004518	500103.4	3604318.1	-2.99
L0004521	500103.4	3604168.1	-40.47
L0004522	500103.4	3604168.1	0.60
L0004524	500103.4	3604018.1	-20.97
L0004438	501904.5	3602984.8	-18.36
L0004438	501887.1	3602985.1	-15.06
L0004441	501904.5	3602834.8	-29.55
L0004441	501887.1	3602835.1	-25.35
L0004442	501904.5	3602834.8	-8.35
L0004442	501887.1	3602835.1	-6.45
L0004444	501904.5	3602684.8	-0.60
L0004444	501887.1	3602685.1	0.12
L0004445	501904.5	3602684.8	-33.38

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L0004445	501887.1	3602685.1	-29.04
L0004448	503537.1	3602985.1	-10.69
L0004451	503537.1	3602835.1	-28.37
L0004452	503537.1	3602835.1	-2.48
L0004454	503537.1	3602685.1	-4.99
L0004455	503537.1	3602685.1	-30.04
L0004529	500254.5	3602534.8	0.17
L0004530	500254.5	3602534.8	-4.81
L0004533	500254.5	3602684.8	-4.48
L0004537	500254.5	3602834.8	-6.68
L0004549	501904.5	3601784.8	-28.38
L0004549	501887.1	3601785.1	-13.60
L0004552	502037.1	3601785.1	-28.87
L0004553	502037.1	3601785.1	-3.95
L0004555	502187.1	3601785.1	-3.23
L0004556	502187.1	3601785.1	-28.74
L0004559	502337.1	3601785.1	-12.52
L0004560	502337.1	3601785.1	-21.82
L0004563	502487.1	3601785.1	-21.06
L0004564	502487.1	3601785.1	-12.90
L0004567	502637.1	3601785.1	-27.24

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0004568	502637.1	3601785.1	- 3.41
L0004570	502787.1	3601785.1	- 2.68
L0004571	502787.1	3601785.1	- 27.05
L0004574	502937.1	3601785.1	- 11.76
L0004575	502937.1	3601785.1	- 20.69
L0004578	503087.1	3601785.1	- 19.93
L0004579	503087.1	3601785.1	- 12.10
L0004582	503237.1	3601785.1	- 25.56
L0004583	503237.1	3601785.1	- 2.79
L0004585	503387.1	3601785.1	- 2.06
L0004586	503387.1	3601785.1	- 25.34
L0004589	503537.1	3601785.1	- 10.91
L0004591	503537.1	3603435.1	- 37.47
L0004592	503537.1	3603435.1	- 2.42
L0004594	503537.1	3603585.1	- 7.51
L0004594	503535.7	3603565.9	- 26.74
L0004595	503537.1	3603585.1	- 32.23
L0004595	503535.7	3603565.9	- 13.23
L0004598	503535.7	3603715.9	- 36.52

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L0004599	503535.7	3603715.9	-
3.21			
L0004601	503535.7	3603865.9	-
6.67			
L0004602	503535.7	3603865.9	-
32.85			
L0004605	503535.7	3604015.9	-
16.51			
L0004606	503535.7	3604015.9	-
22.89			
L0004609	503535.7	3604165.9	-
26.04			
L0004610	503535.7	3604165.9	-
12.85			
L0004624	503535.7	3604315.9	-
24.98			
L0004625	503535.7	3604315.9	-
14.36			
L0004628	503535.7	3604465.9	-
35.42			
L0004629	503535.7	3604465.9	-
4.54			
L0004631	503535.7	3604615.9	-
5.22			
L0004632	503535.7	3604615.9	-
2.69			
L0004635	503685.7	3604615.9	-
10.88			
L0004639	503835.7	3604615.9	-
9.69			
L0004643	503985.7	3604615.9	-
6.15			
L0004647	504135.7	3604615.9	-
0.14			
L0004650	504285.7	3604615.9	
0.41			
L0004691	503537.1	3602535.1	
0.31			
L0004694	503687.1	3602535.1	-
1.63			
L0004698	503837.1	3602535.1	-
7.41			

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**MODELOPTs: RegDFAULT CONC ELEV

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0004702	503987.1	3602535.1	- 10.51
L0004705	504137.1	3602535.1	- 3.11
L0004706	504137.1	3602535.1	- 10.10

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**MODELOPTs: RegDFAULT CONC ELEV

*** 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 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

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\AERMET\Otay Mesa.SFC
Met Version: 11059
Profile file: ..\AERMET\Otay Mesa.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN
Year: 1990 Year: 1990

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
90	01	01	1	01	-28.1	0.276	-9.000	-9.000	-999.	334.	67.5	1.00	1.62	0.62	2.10	331.	10.0	283.1	2.0
90	01	01	1	02	-11.6	0.130	-9.000	-9.000	-999.	122.	17.2	1.00	1.62	1.00	1.50	328.	10.0	282.0	2.0
90	01	01	1	03	-29.4	0.261	-9.000	-9.000	-999.	306.	54.4	1.00	1.62	1.00	2.10	344.	10.0	282.5	2.0
90	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	08	-29.3	0.262	-9.000	-9.000	-999.	308.	55.3	1.00	1.62	1.00	2.10	3.	10.0	283.1	2.0
90	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	286.4	2.0
90	01	01	1	10	-42.2	0.382	-9.000	-9.000	-999.	543.	119.1	1.00	1.62	1.00	2.60	171.	10.0	288.1	2.0
90	01	01	1	11	-42.1	0.382	-9.000	-9.000	-999.	544.	119.8	1.00	1.62	1.00	2.60	184.	10.0	289.2	2.0
90	01	01	1	12	-61.1	0.582	-9.000	-9.000	-999.	1021.	291.2	1.00	1.62	1.00	3.60	216.	10.0	289.9	2.0
90	01	01	1	13	-64.0	0.773	-9.000	-9.000	-999.	1562.	652.3	1.00	1.62	1.00	4.60	203.	10.0	289.9	2.0
90	01	01	1	14	-64.0	0.773	-9.000	-9.000	-999.	1564.	652.3	1.00	1.62	1.00	4.60	229.	10.0	289.9	2.0
90	01	01	1	15	-61.5	0.680	-9.000	-9.000	-999.	1302.	462.4	1.00	1.62	1.00	4.10	232.	10.0	289.2	2.0
90	01	01	1	16	-23.5	0.610	-9.000	-9.000	-999.	1103.	873.9	1.00	1.62	0.52	3.60	264.	10.0	288.8	2.0
90	01	01	1	17	48.0	0.561	-9.000	-9.000	-999.	971.	-332.9	1.00	1.62	0.32	3.10	201.	10.0	288.1	2.0

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```
 90 01 01   1 18   50.2  0.644 -9.000 -9.000 -999. 1187.   -480.1  1.00   1.62   0.26
3.60  227.   10.0  288.1    2.0
 90 01 01   1 19  142.8  0.513 -9.000 -9.000 -999.  860.    -85.3  1.00   1.62   0.24
2.60  224.   10.0  287.5    2.0
 90 01 01   1 20  160.1  0.517 -9.000 -9.000 -999.  856.    -78.1  1.00   1.62   0.23
2.60  217.   10.0  287.5    2.0
 90 01 01   1 21  158.4  0.594 -9.000 -9.000 -999. 1052.   -119.4  1.00   1.62   0.23
3.10  220.   10.0  287.5    2.0
 90 01 01   1 22  122.9  0.665 -9.000 -9.000 -999. 1244.   -215.6  1.00   1.62   0.24
3.60  222.   10.0  287.5    2.0
 90 01 01   1 23   43.4  0.642 -9.000 -9.000 -999. 1184.   -549.7  1.00   1.62   0.27
3.60  190.   10.0  287.5    2.0
 90 01 01   1 24    2.5  0.713 -9.000 -9.000 -999. 1382.  -8888.0  1.00   1.62   0.36
4.10  230.   10.0  287.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 90 01 01 01   10.0 1  331.    2.10   283.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32	496671.32	496821.32	496971.32	497121.32
3603584.90	987.06261	1689.22597	3003.30936	2617.89494	1974.45640	1759.02708	1657.17328	1613.43109	1622.78897
3603434.90	988.84416	1827.94290	3366.76029	3022.56415	2656.95203	2507.88207	2427.03342	2388.85757	2400.79596
3603284.90	931.35152	1619.73676	2836.35288	2391.46803	2280.91818	2225.28876	2197.99773	2174.57195	2111.53614
3603134.90	886.91223	1651.40204	1922.20368	1494.34946	1431.02051	1403.10249	1386.33930	1375.48539	1366.11684
3602984.90	873.47398	1296.85527	1509.10277	1174.19942	1110.14380	1092.40975	1085.67372	1084.75360	1088.11296
3602834.90	892.29617	1342.09566	1265.95428	1004.40350	940.32124	921.90824	919.08929	922.34437	930.35079
3602684.90	947.05023	1353.74347	1104.89304	896.57573	835.34870	815.05960	811.14850	815.54003	824.52263
3602534.90	1036.53239	1855.14805	995.35163	823.28182	764.85711	742.63166	736.41801	738.96463	747.10124
3602384.90	1080.47710	1723.60388	935.58349	775.18568	716.44485	691.71905	682.83638	682.51651	688.09143
3602234.90	1017.10027	1562.85859	925.33632	749.24376	684.90135	656.43487	644.14302	640.75702	642.95751
3602084.90	903.84223	1315.44114	964.98012	744.02482	668.07522	634.06781	617.54721	610.42960	608.89338
3601934.90	802.81176	1280.41048	1060.57044	758.87059	665.81102	624.11400	602.13199	590.13659	584.20274
3601784.90	732.21375	1149.17248	1208.67149	795.84585	680.99145	628.52757	598.71310	580.03358	568.34670
3601634.90	677.15086	1374.58661	1455.48559	871.36181	724.40209	653.61797	610.67211	581.89381	562.03730

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  3601484.90 |     624.49837   1063.98582   1676.37283   1063.76469    830.23806
715.59933    646.34391    600.13376    567.54895
  3601334.90 |     572.12257    866.00383   1696.05434   1905.58064   1123.73907
859.50534    725.49277    644.28585    589.55190
  3601184.90 |     516.45285    710.90268   1250.61616   1942.75783   2418.07480
1248.20279    901.82638    736.61884    637.98112
  3601034.90 |     461.16993    585.49676    816.64048   1313.32925   2776.89563
2379.30359   1398.96258    944.04875    737.66707
  3600884.90 |     412.31751    496.43104    626.44531    838.31580   1227.86977
2295.30348   2096.49481   1595.87970    969.20169
  3600734.90 |     370.97129    431.10201    514.39361    632.28818    808.55495
1113.44698   1851.80884   2087.83986   1821.00982
  3600584.90 |     336.26396    380.92336    438.23698    512.27294    610.56801
750.66329    978.61692   1467.89541   2271.66296
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497271.32	497421.32	497571.32	497721.32	497871.32	498021.32	498171.32	498321.32	498471.32
3603584.90	1679.37155	1773.14688	1904.62598	2065.06953	2140.78606	2099.11512	2146.92107	2283.75023	2324.21074
3603434.90	2463.46258	2524.27756	2566.70215	2615.23764	2798.05213	3180.61939	4269.74974	5381.66955	4268.91409
3603284.90	2021.10905	1951.29204	1916.99775	1945.24414	2113.40027	2635.55375	4443.21254	9444.09226	7658.68706
3603134.90	1358.37869	1361.16765	1385.85995	1449.02548	1585.02971	1870.64242	2494.74610	3856.88430	5933.88850
3602984.90	1096.52851	1113.95312	1146.66681	1204.19387	1302.66681	1469.28542	1759.48882	2231.61509	2808.34767
3602834.90	943.69756	964.11155	995.00412	1041.55007	1110.78084	1215.13229	1376.02198	1603.37313	1863.13514
3602684.90	837.97672	857.22761	883.94558	920.23707	970.06122	1040.78866	1142.11926	1275.18103	1422.10459
3602534.90	759.22321	775.62238	797.23344	825.48104	862.98363	914.42446	984.52437	1072.41281	1167.24759
3602384.90	697.96082	711.23187	728.24343	750.27229	779.36670	818.74386	870.47082	933.21918	1000.02430
3602234.90	649.48552	659.46885	672.71347	690.01049	712.94497	743.88274	783.56787	830.67803	880.59928
3602084.90	611.51081	617.80381	627.53502	640.96409	659.20029	683.80654	714.89316	751.32085	790.02229
3601934.90	582.54237	584.72244	590.69102	600.49046	614.81418	634.41556	659.02550	687.67043	718.30221
3601784.90	561.64487	559.20204	560.96502	566.98929	577.62530	592.93131	612.39491	635.11772	659.65181
3601634.90	548.68001	540.66145	537.61042	539.48859	546.31359	557.64130	572.74850	590.72934	610.46487

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  3601484.90 |     544.48354    529.00407    520.11305    517.25842    519.94139
527.35154    538.57801    552.60734    568.44472
  3601334.90 |     551.03445    524.64177    508.09216    499.58445    497.70760
501.19931    508.86172    519.48244    532.06085
  3601184.90 |     572.35534    528.67221    501.31017    485.74952    478.88735
478.50949    482.86153    490.46284    500.25127
  3601034.90 |     617.04082    543.09515    499.49846    475.02908    462.84215
458.70192    459.96839    464.84553    472.18555
  3600884.90 |     705.17666    570.36180    501.80843    466.63401    448.91798
441.14378    439.55575    441.98507    447.16801
  3600734.90 |     893.28781    609.73009    506.05715    459.28121    436.12908
425.03173    420.96006    421.30778    424.66230
  3600584.90 |    1284.40860    641.80135    505.82478    450.30054    423.20995
409.67809    403.73669    402.46209    404.33045
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498621.32	498771.32	498921.32
3603584.90	2441.15221	2730.02469	2831.28188
3603434.90	4260.26468	4942.64493	5114.22452
3603284.90	8648.80363	5249.88493	4941.52813
3603134.90	8176.96142	6394.90847	4978.93190
3602984.90	3235.80770	3172.96124	2979.54314
3602834.90	2069.24769	2136.63675	2116.10696
3602684.90	1546.84148	1621.97474	1655.36916
3602534.90	1251.83489	1315.85199	1362.00118
3602384.90	1061.64702	1114.04024	1158.70558
3602234.90	927.74749	970.82512	1010.30478
3602084.90	827.31844	862.96500	897.13457
3601934.90	748.37705	777.89577	807.15006
3601784.90	684.15293	708.55788	733.31372
3601634.90	630.53310	650.71638	671.50419
3601484.90	584.92665	601.69412	619.15754
3601334.90	545.58894	559.60358	574.35639
3601184.90	511.29311	523.04055	535.56056
3601034.90	481.08024	490.90602	501.55440
3600884.90	454.19170	462.36933	471.44054
3600734.90	430.08312	436.83919	444.55828
3600584.90	408.38539	413.88537	420.40324

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40	496674.40	496824.40	496974.40	497124.40
3606567.52	366.54116	417.05562	487.48456	589.47994	724.84224	753.28163	624.76322	523.40772	458.13346
3606417.52	411.79723	485.87732	606.85339	853.46176	1715.92735	1680.69480	876.90700	639.56648	526.76288
3606267.52	457.34030	556.18529	732.19760	1151.80188	3354.65555	3485.48679	1218.05757	778.75754	604.18490
3606117.52	498.79490	617.70627	832.62977	1341.52813	3871.72054	3946.60754	1489.11919	914.79247	683.48013
3605967.52	534.22419	667.03544	904.70694	1457.27291	4163.46674	4048.28091	1644.42071	1023.39971	755.86639
3605817.52	563.22830	705.15124	956.78742	1538.07851	4376.34574	4048.41204	1725.53334	1098.09386	814.67590
3605667.52	586.57161	734.81312	997.17644	1602.65853	4556.18967	3997.02980	1759.75052	1142.58466	857.66049
3605517.52	605.45568	758.64643	1032.22321	1672.37605	3819.06997	3840.85205	1750.11201	1160.96041	885.36555
3605367.52	621.07763	778.24498	1064.39074	1773.32968	4197.77051	3423.21463	1687.40229	1155.51944	899.32474
3605217.52	634.50211	794.44385	1089.48469	1871.25534	3354.21228	2840.91837	1575.79991	1129.07578	901.51633
3605067.52	647.70945	810.78830	1113.64203	1945.30387	3091.70033	2264.37553	1440.55544	1088.86597	895.45653
3604917.52	663.34557	833.92025	1162.48154	2216.49349	3521.36526	1892.26414	1317.92608	1045.51033	885.56755
3604767.52	682.88626	867.08572	1244.69765	2746.43927	3422.60809	1675.70558	1226.83170	1008.08818	876.25986
3604617.52	706.99222	911.10892	1362.35048	2809.66247	2750.52701	1532.46023	1164.38840	981.44333	871.44775

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  3604467.52 |     735.68095    966.22134   1523.89045   2585.93806   2324.69233
1431.28287   1123.29611    966.92383    873.98368
  3604317.52 |     769.04834   1033.44129   1749.36982   2835.48158   2043.81446
1359.79675   1099.73952    965.35379    886.65055
  3604167.52 |     807.75862   1115.67083   2081.20462   3424.38242   1851.95880
1313.71738   1094.10279    979.37155    913.46835
  3604017.52 |     852.51536   1217.95955   2605.29447   3580.35380   1724.49586
1294.77274   1111.14385   1015.34705    962.10088
  3603867.52 |     903.40658   1348.21448   3375.92141   2928.00725   1660.08069
1316.97684   1165.39485   1087.80000   1048.93547
  3603717.52 |     956.75984   1519.28370   2576.49409   2575.33921   1695.77597
1426.75841   1304.58560   1244.62071   1222.30066
  3603567.52 |     998.21999   1744.34426   2999.27508   2644.68670   2050.02280
1844.74289   1746.20575   1705.82025   1725.58595
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497274.40	497424.40	497574.40	497724.40	497874.40	498024.40	498174.40	498324.40	498474.40
3606567.52	415.29386	386.30267	366.35249	352.65766	343.55792	338.03468	335.43055	335.33789	337.54657
3606417.52	462.12241	421.51933	394.84920	377.12355	365.62957	358.81605	355.74529	355.88889	359.03231
3606267.52	513.10476	459.02773	424.82538	402.71457	388.68282	380.53247	376.99716	377.42587	381.62753
3606117.52	565.75452	497.76039	455.78150	429.17820	412.56769	403.05847	399.02913	399.70570	404.94424
3605967.52	616.76165	536.43490	487.20405	456.29635	437.18006	426.31837	421.74224	422.53453	428.56261
3605817.52	662.42672	573.21820	518.25451	483.72324	462.40763	450.31104	445.20106	446.00801	452.53709
3605667.52	700.58270	606.57650	547.95158	510.92003	488.01123	474.98727	469.48080	470.29018	477.10628
3605517.52	730.44359	635.71107	575.66507	537.41010	513.68179	500.22067	494.59978	495.51006	502.51337
3605367.52	752.14431	660.34107	601.17548	563.06205	539.36514	526.04761	520.69660	521.91947	529.14775
3605217.52	766.73409	680.89133	624.69033	588.12355	565.38992	552.83487	548.18150	550.00914	557.65287
3605067.52	776.25570	698.53829	646.89360	613.13088	592.30111	581.17069	577.69571	580.50574	588.89965
3604917.52	783.11034	714.79102	668.84373	638.86794	620.78398	611.78063	610.07832	614.38799	623.98945
3604767.52	789.87262	731.44687	691.99348	666.50932	651.86289	645.71845	646.51952	653.00089	664.37906
3604617.52	799.39623	750.75362	718.24552	697.79887	687.20508	684.68453	688.83463	698.30128	712.12052

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  3604467.52 |     814.48483    775.33288    750.06134    735.31526    729.46025
731.39560    739.89250    753.36015    770.42608
  3604317.52 |     838.19650    808.28376    790.86345    782.86592    782.74174
790.09899    804.20353    823.15947    844.66683
  3604167.52 |     875.15141    854.53591    846.00503    846.26385    853.58007
867.78428    889.33578    916.25349    944.14506
  3604017.52 |     934.15733    923.51783    925.34574    936.18725    953.88425
977.71437   1009.41015   1048.15232   1085.72085
  3603867.52 |    1034.17697   1036.30644   1051.97052   1077.88417   1110.27014
1148.21640   1194.25957   1250.89023   1303.87100
  3603717.52 |    1227.75364   1254.85463   1298.20621   1351.12818   1404.29537
1455.59389   1522.20660   1608.07017   1680.36346
  3603567.52 |    1800.24513   1918.80014   2084.23522   2289.65415   2364.85963
2260.41576   2287.10663   2433.74091   2451.43330
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498624.40	498774.40	498924.40
3606567.52	341.99647	348.72204	357.73744
3606417.52	365.27265	375.06955	389.29778
3606267.52	389.89883	403.25477	424.00102
3606117.52	415.25657	432.19061	459.51806
3605967.52	440.48017	460.14777	492.02200
3605817.52	465.44436	486.61221	520.33511
3605667.52	490.46239	512.02093	545.45053
3605517.52	515.97172	537.23780	569.27836
3605367.52	542.57913	563.27598	593.60631
3605217.52	571.17702	591.40486	620.25863
3605067.52	602.82333	622.90129	650.79690
3604917.52	638.72881	659.05785	686.54424
3604767.52	680.41070	701.42003	729.01736
3604617.52	729.93397	752.03894	780.16648
3604467.52	790.55927	814.21354	843.16629
3604317.52	867.91199	893.76754	923.85972
3604167.52	971.73752	1000.70018	1032.32110
3604017.52	1119.86062	1153.67104	1187.58862
3603867.52	1348.75710	1392.61926	1431.82084
3603717.52	1745.96583	1824.73906	1880.69833
3603567.52	2589.38403	2963.48319	3068.03099

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52	499654.52	499804.52	499954.52	500104.52
3603584.79	2827.91106	2851.09442	2857.73167	2850.37531	2829.75811	2860.77859	2918.96321	3023.08340	3136.14429
3603434.79	5138.91877	5217.51513	5198.07559	5118.33771	4924.50602	5003.28549	4995.85860	5179.40612	5332.37333
3603284.79	4938.79252	5098.93790	5405.19856	5773.30899	5959.92053	5585.45864	4901.20853	4587.85665	4531.17846
3603134.79	5151.65773	5589.60810	5182.47045	4856.92164	4719.47364	5254.53225	4846.58067	5285.97766	4680.21968
3602984.79	2996.75520	2865.26024	2793.44027	2769.96383	2808.13067	2973.88441	3390.78950	4347.30418	5559.00700
3602834.79	2119.56952	2086.97538	2074.23490	2089.68546	2142.56000	2257.08832	2473.59087	2856.75104	3537.99177
3602684.79	1652.79847	1667.75471	1683.37042	1713.66137	1768.92845	1864.68091	2026.61614	2302.59708	2816.62029
3602534.79	1357.42998	1391.80782	1422.10512	1459.23847	1513.37023	1596.42237	1727.42114	1948.27090	2405.46379
3602384.79	1153.88801	1193.33756	1229.56921	1268.60401	1318.24602	1387.65576	1489.80558	1652.61099	1974.45527
3602234.79	1005.90902	1043.62478	1080.33382	1118.38911	1162.40688	1218.48755	1294.56565	1404.60930	1589.72371
3602084.79	893.29053	926.85195	960.73616	995.77460	1034.10695	1079.22577	1135.69114	1211.59503	1329.68918
3601934.79	803.83372	832.89870	862.55748	893.50795	926.62916	963.66797	1007.44050	1063.81249	1146.96891
3601784.79	730.48148	755.39450	780.84795	807.60874	836.21971	867.48292	903.22357	948.00922	1010.14032
3601634.79	669.10344	690.37546	712.22772	735.23393	759.92565	786.76875	817.11935	854.36265	902.71698

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  3601484.79 |     617.12455    635.29393    654.16333    673.98096    695.22620
718.45773    744.83119    776.56165    815.37369
  3601334.79 |     572.62873    588.17648    604.50974    621.64513    639.98900
660.23865    683.35928    710.67088    742.53865
  3601184.79 |     534.08750    547.40610    561.55252    576.47671    592.49228
610.24331    630.49246    654.06529    680.72663
  3601034.79 |     500.29521    511.72460    524.00770    537.11270    551.23934
566.85186    584.57363    605.02484    627.73009
  3600884.79 |     470.36097    480.19775    490.89180    502.44795    514.98341
528.80465    544.43605    562.34244    581.90044
  3600734.79 |     443.63219    452.10665    461.42851    471.64175    482.83545
495.21566    509.17832    524.96949    541.87847
  3600584.79 |     419.61252    426.89649    435.04010    444.11201    454.19123
465.40593    477.98311    491.94294    506.58739
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500254.52	500404.52	500554.52	500704.52	500854.52	501004.52	501154.52	501304.52	501454.52
3603584.79	3155.11344	3052.68990	2936.01082	2831.19846	2725.11542	2585.37673	2399.85062	2252.75443	2143.84227
3603434.79	4940.47532	4972.81276	5894.07952	4820.58978	4663.40000	4415.94953	4484.19013	3566.30857	3931.08176
3603284.79	4541.24729	4561.93169	4651.49184	4747.22264	4794.98068	4699.38049	4291.38004	3998.91368	3838.26878
3603134.79	4381.91920	4642.46344	5019.10238	5602.17345	6218.55318	6398.98382	5762.43984	5014.68972	4438.41535
3602984.79	5657.84564	6188.36945	6220.59490	7235.25799	8307.34260	7622.41061	7369.85286	6925.54369	5546.41086
3602834.79	4606.58295	5633.60719	4931.42433	4522.68894	4254.96242	4033.14730	3827.26946	3791.01073	3958.94827
3602684.79	3709.53539	4565.26532	3926.89722	3986.50987	4266.57549	4070.74542	3159.05740	2802.20456	2775.68391
3602534.79	3444.61634	4983.56662	5116.91895	4438.98998	5212.79943	4552.56484	2967.35682	2346.95564	2240.30911
3602384.79	3107.04481	4952.24171	4321.70699	3370.09286	2840.36452	2559.87842	2261.49059	2009.78990	1900.46065
3602234.79	1976.87320	2377.59532	2447.58421	2307.65616	2135.32554	1990.89850	1852.39204	1731.04716	1652.91573
3602084.79	1522.11433	1695.43257	1782.78015	1780.46980	1725.70505	1654.42045	1578.57172	1511.09804	1463.38034
3601934.79	1261.60692	1360.67645	1424.77668	1450.89376	1442.85822	1412.94883	1373.64936	1337.10468	1311.75510
3601784.79	1086.25578	1151.37337	1198.25684	1226.08913	1234.95837	1227.83448	1211.26032	1193.58251	1183.92699
3601634.79	957.12723	1003.55556	1039.12586	1063.74121	1077.59276	1081.35762	1077.51380	1071.17079	1070.09815

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  3601484.79 |     856.46252    891.57098    919.75135    941.06729    955.56002
963.40251    965.86286    966.31428    969.27703
  3601334.79 |     774.96046    802.92463    826.21671    844.71748    858.20940
867.07712    872.21310    876.13554    880.53697
  3601184.79 |     707.30733    730.51652    750.23678    766.31515    778.42227
787.06885    793.20383    798.43308    803.02366
  3601034.79 |     650.11893    669.79920    686.68665    700.75282    711.53699
719.57211    725.97716    731.39964    735.78782
  3600884.79 |     600.98034    617.82540    632.43224    644.80643    654.45299
661.89860    668.19879    673.33828    677.53951
  3600734.79 |     558.21409    572.73647    585.45055    596.35589    605.07733
612.04148    618.00075    622.72174    626.87184
  3600584.79 |     520.64645    533.23001    544.30898    553.94723    561.93454
568.49433    573.97928    578.29667    582.47702
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501604.52	501754.52	501904.52
3603584.79	2051.32076	1965.43773	1856.38222
3603434.79	3751.39130	4140.35626	3613.86730
3603284.79	3720.58577	3607.36890	3376.47910
3603134.79	4078.26368	3866.08456	3631.29090
3602984.79	5599.93345	5731.80883	5906.35068
3602834.79	4292.97434	5104.81723	7585.65616
3602684.79	2935.93815	3680.34870	6196.85628
3602534.79	2291.83292	2595.26066	4344.66669
3602384.79	1882.53804	1944.26806	2173.56424
3602234.79	1620.54603	1636.03642	1713.28664
3602084.79	1441.81530	1458.18586	1510.65287
3601934.79	1309.31283	1355.13307	1475.51102
3601784.79	1196.95246	1286.34191	1724.85365
3601634.79	1083.86092	1140.04865	1313.87832
3601484.79	978.84886	1006.12588	1057.94142
3601334.79	887.63034	903.44047	926.51574
3601184.79	809.37292	820.36443	832.99931
3601034.79	741.90464	750.51993	758.73569
3600884.79	683.40520	690.54840	696.68836
3600734.79	632.41813	638.46437	643.45454
3600584.79	587.69686	592.88974	597.11534

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40	499653.40	499803.40	499953.40	500103.40
3606568.08	356.23480	366.98396	379.30492	394.87428	412.38776	417.98974	411.58271	401.03357	389.99543
3606418.08	386.87528	405.85277	431.34512	463.49559	499.70011	500.07527	475.44108	450.35397	429.85463
3606268.08	420.38062	451.24086	503.98423	606.65175	764.30483	671.78699	572.99543	515.55338	478.83183
3606118.08	454.68863	498.12615	585.11385	852.88198	1084.02551	1091.53335	725.10594	602.24507	539.06613
3605968.08	486.41437	537.26541	638.06981	909.08381	2019.06627	1866.12589	942.09467	713.80168	612.31444
3605818.08	514.48289	566.63089	662.46496	880.94232	1724.83970	2508.00890	1227.79004	853.10803	701.03290
3605668.08	539.73705	589.51100	674.94956	849.39202	1354.29770	1753.62892	1633.38821	1031.10944	809.49187
3605518.08	563.87371	609.97994	684.91277	825.04173	1162.60201	2744.47438	2416.15244	1303.23299	948.10385
3605368.08	588.54197	630.92298	696.56697	809.19810	1037.33720	1704.36908	2500.31567	1898.24467	1134.86150
3605218.08	615.47580	654.80398	713.32327	806.53100	969.71268	1306.17468	2371.99261	3072.48793	1369.91869
3605068.08	646.19250	683.51794	737.62235	820.17200	955.58198	1209.12289	1914.01328	2434.70749	1590.66556
3604918.08	682.01738	718.26674	770.04672	847.75795	972.85172	1203.42590	1858.02112	2532.38794	1764.07950
3604768.08	724.48101	760.30170	810.82038	886.13490	1006.81430	1227.81841	1814.50757	2771.46514	2049.87555
3604618.08	775.55712	811.29160	860.84231	933.99226	1050.71108	1264.09688	1806.35357	2793.17532	2718.47266

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  3604468.08 |     838.44252    874.17824    922.43701    992.18078   1101.96315
1299.76368   1765.29723   4017.46086   3863.46357
  3604318.08 |     918.97014    954.66916   1000.91643   1065.58938   1164.78176
1338.13144   1714.97169   3082.44803   4478.97712
  3604168.08 |    1027.19854   1062.71536   1106.30969   1164.38724   1250.05785
1394.72033   1691.96663   2587.72161   4080.97148
  3604018.08 |    1182.09295   1217.46180   1257.73360   1307.73060   1377.90734
1491.87264   1713.41521   2303.31760   4429.04989
  3603868.08 |    1425.47995   1461.07460   1496.20343   1536.23065   1589.33641
1672.14021   1820.15289   2150.71414   3534.78544
  3603718.08 |    1872.20781   1907.67036   1933.58622   1959.20133   1990.67706
2044.35492   2134.01611   2290.79813   2573.62351
  3603568.08 |    3054.36601   3072.69711   3074.01785   3057.99747   3020.29711
3049.57838   3103.90362   3208.99570   3310.39045
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500253.40	500403.40	500553.40	500703.40	500853.40	501003.40	501153.40	501303.40	501453.40
3606568.08	379.78601	370.81490	363.20682	356.92169	351.79454	347.66208	344.45238	342.06744	340.36500
3606418.08	413.47734	400.28293	389.67808	381.23458	374.53571	369.23063	365.14975	362.15749	360.06376
3606268.08	453.10817	434.00011	419.40216	408.15093	399.44908	392.69965	387.56015	383.82197	381.22423
3606118.08	499.66314	472.48969	452.68069	437.85112	426.65136	418.16474	411.78519	407.17126	403.96836
3605968.08	554.18685	516.38608	489.91170	470.60941	456.35024	445.78207	437.96021	432.32882	428.42871
3605818.08	618.22742	566.57302	531.64526	506.83827	488.87411	475.80276	466.26508	459.43194	454.72744
3605668.08	693.46223	623.88190	578.43038	547.00781	524.62683	508.53806	496.92264	488.63914	482.97938
3605518.08	782.04790	688.92175	630.67273	591.54166	564.02698	544.35812	530.25221	520.22324	513.40692
3605368.08	885.74991	761.93889	688.61039	640.71856	607.43265	583.67976	566.69288	554.63099	546.43942
3605218.08	1002.56139	842.93096	752.61737	694.85475	655.20436	626.96257	606.76685	592.45284	582.71698
3605068.08	1125.09281	931.24318	823.01114	754.40516	707.81754	674.75337	651.06606	634.34071	622.97370
3604918.08	1252.12048	1027.01879	900.19360	820.04521	765.96560	727.76768	700.31392	680.98901	667.90908
3604768.08	1405.14669	1134.76570	985.82436	892.90332	830.62267	786.94712	755.48247	733.25957	718.25608
3604618.08	1618.71024	1262.18999	1082.52373	974.61639	903.33336	853.77263	818.10250	792.57277	775.21908

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  3604468.08 |    1904.82733   1414.04106   1192.81375   1067.50577    986.93534
931.19539    891.02643    861.68662    841.28215
  3604318.08 |    2257.63386   1590.10153   1319.13187   1175.31520   1086.12696
1024.38443    979.18073    945.34140    920.81750
  3604168.08 |    2697.12746   1786.65674   1464.33440   1304.85728   1208.78855
1141.72009   1090.70176   1051.05599   1020.74980
  3604018.08 |    3283.63233   1994.54075   1636.43148   1469.58020   1369.31985
1297.54004   1239.46967   1191.34998   1152.55719
  3603868.08 |    3654.40179   2189.81606   1858.30481   1700.11118   1599.52980
1521.99756   1452.95790   1391.06728   1338.81605
  3603718.08 |    2720.63754   2424.11212   2216.48780   2086.02536   1986.79433
1894.46441   1798.55981   1710.01315   1635.18985
  3603568.08 |    3313.28738   3210.32476   3099.06471   2995.27097   2886.37623
2735.07909   2523.35365   2362.78046   2247.34054
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501603.40	501753.40	501903.40
3606568.08	339.35948	339.17115	339.87386
3606418.08	358.83762	358.61525	359.48017
3606268.08	379.67867	379.34424	380.33705
3606118.08	402.01037	401.47690	402.54328
3605968.08	425.98602	425.18514	426.27247
3605818.08	451.75028	450.65792	451.75459
3605668.08	479.41541	478.04097	479.19586
3605518.08	509.15915	507.48368	508.75427
3605368.08	541.36310	539.28586	540.63713
3605218.08	576.67862	574.04382	575.30950
3605068.08	615.90275	612.57586	613.54467
3604918.08	659.74527	655.61400	656.09912
3604768.08	708.80684	703.65100	703.37229
3604618.08	764.06107	757.40436	755.76783
3604468.08	827.73639	818.80507	814.83013
3604318.08	903.88080	891.62563	883.99457
3604168.08	998.82810	981.84050	968.81569
3604018.08	1123.00062	1099.28034	1078.38045
3603868.08	1297.17941	1263.27782	1230.15413
3603718.08	1573.80006	1521.85424	1465.88555
3603568.08	2148.82619	2056.16788	1934.35178

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15	502637.15	502787.15	502937.15	503087.15
3603585.14	1868.78176	1754.43117	1675.55178	1630.28901	1612.05984	1616.78488	1645.81061	1706.90156	1822.32059
3603435.14	3710.22761	3110.25100	2936.91754	2838.28286	2771.67299	2735.42294	2730.71708	2757.51547	2831.62648
3603285.14	3426.56905	3014.44862	2808.29865	2707.68791	2662.27719	2656.62253	2685.70635	2751.10297	2861.86354
3603135.14	3671.19950	3159.77597	2798.63567	2612.80839	2520.79446	2485.97624	2494.14615	2544.69517	2649.29436
3602985.14	6642.54908	4485.32076	3621.37260	3330.76823	3204.26644	3154.92901	3157.91031	3214.49065	3347.06401
3602835.14	7176.67612	4711.26989	3211.03143	2815.22405	2662.91777	2606.74651	2610.63620	2675.40136	2838.09124
3602685.14	5899.48798	4030.22893	2594.97970	2168.71932	1994.54640	1924.19656	1917.57798	1973.22921	2127.42547
3602535.14	4097.42957	3036.06098	2230.22654	1895.49084	1733.97349	1660.10865	1643.20244	1680.89066	1796.08109
3602385.14	2155.83575	2106.73191	1884.97220	1699.62209	1578.90381	1512.14104	1488.75803	1505.40910	1571.78343
3602235.14	1709.56934	1695.12720	1624.61807	1544.50668	1473.19022	1422.90030	1397.55123	1398.58408	1428.27118
3602085.14	1507.17057	1519.47144	1498.99733	1466.36817	1429.81469	1396.85212	1374.14731	1365.55482	1372.69392
3601935.14	1459.90552	1560.89683	1585.08771	1576.25876	1558.13301	1538.25758	1519.58663	1505.78892	1499.10913
3601785.14	1571.15351	2013.68765	2096.69950	2080.66400	2078.06551	2087.30641	2070.43269	2033.14596	2022.78865
3601635.14	1284.61953	1518.90809	1607.16889	1628.60036	1632.97547	1629.31553	1623.64048	1617.13601	1608.53733

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  3601485.14 |    1051.11991   1113.40611   1160.49389   1179.04540   1184.06416
1183.04893   1178.02931   1172.80291   1166.80490
  3601335.14 |     923.92037    947.60936    970.48885    983.44525    987.27400
988.19042    985.52193    981.93188    979.24603
  3601185.14 |     831.78925    842.49938    853.85506    862.20115    864.50264
865.55523    865.16812    863.32749    862.45208
  3601035.14 |     758.06335    763.69891    769.59441    775.07517    776.41494
776.85870    777.71254    777.68396    777.77714
  3600885.14 |     696.23626    699.83074    703.16540    707.07008    708.11625
708.04780    709.12569    710.43873    711.39013
  3600735.14 |     643.10087    645.86656    648.05750    651.16778    652.37342
652.20588    653.02754    654.93170    656.66586
  3600585.14 |     596.81573    599.20084    600.90240    603.63314    605.20053
605.31018    605.87696    607.77765    609.98191
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503237.15	503387.15	503537.15	503687.15	503837.15	503987.15	504137.15	504287.15	504437.15
3603585.14	2066.08110	2760.37682	4643.46223	3326.52160	2550.57513	2245.31212	2050.59929	1894.89560	1774.55730
3603435.14	3011.41943	3571.66373	5230.59808	4584.64454	3903.67381	3583.75520	3338.68913	3044.11487	2707.93050
3603285.14	3043.80306	3390.45973	4271.37313	4408.56653	4160.88982	4005.43968	3889.10943	3704.76413	3319.03935
3603135.14	2832.79257	3134.55663	3478.09726	3320.71585	3050.36960	2843.89928	2680.16724	2523.62251	2351.00351
3602985.14	3635.43187	4444.15765	5486.21723	4104.22136	3373.39903	3082.41484	2893.24863	2735.69861	2886.85405
3602835.14	3238.49408	4633.11460	8575.10203	4721.22052	3347.64229	2930.44764	2680.06867	2464.30730	2315.51088
3602685.14	2519.87100	3916.59713	7895.11540	5211.02783	3775.46747	3260.57431	2811.22093	2186.24766	1866.90919
3602535.14	2070.99410	2873.75078	6312.85081	6005.03258	5456.92122	5225.25013	3515.31170	2423.24703	1719.60639
3602385.14	1717.25334	2028.33093	2655.48940	2984.61210	2872.56493	2681.33417	2422.88849	1952.89144	1592.31338
3602235.14	1496.56819	1634.33029	1843.62009	1971.65077	1973.11987	1894.55360	1770.97954	1601.34586	1445.91690
3602085.14	1399.34499	1455.79910	1525.07773	1558.03486	1555.45907	1522.35178	1461.78097	1381.66073	1309.09048
3601935.14	1498.47832	1491.86907	1435.06243	1357.42337	1322.35837	1297.00142	1264.24181	1224.21964	1191.13675
3601785.14	2026.82355	1960.72149	1594.38977	1260.44691	1175.94081	1144.69302	1121.81856	1100.78965	1087.93639
3601635.14	1594.64834	1554.53777	1395.42323	1154.76704	1066.69168	1032.08117	1012.39379	999.32964	995.15494

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  3601485.14 |    1157.88224   1139.99590   1094.59473   1025.04845    972.35028
942.22515    924.49390    914.29606    912.31306
  3601335.14 |     975.96239    968.06073    947.99342    917.38931    887.76871
865.29198    850.04163    840.88096    838.18488
  3601185.14 |     862.32941    859.31699    848.93877    832.14848    813.92283
797.63385    784.79641    776.06091    771.91056
  3601035.14 |     778.74353    778.11819    772.60488    762.37535    750.11231
737.91513    727.04411    718.48381    712.93147
  3600885.14 |     712.51464    712.71686    709.77059    703.25658    694.54838
685.02580    675.65260    667.33641    660.90029
  3600735.14 |     657.85534    658.09670    656.27829    651.89358    645.48198
637.85057    629.72857    621.92052    615.22752
  3600585.14 |     611.37103    611.47957    609.96208    606.63580    601.69196
595.51775    588.58020    581.50752    574.99422
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504587.15	504737.15	504887.15
3603585.14	1753.80955	1851.01571	1451.63355
3603435.14	2586.56206	2723.64307	1941.03061
3603285.14	3180.25601	3060.29198	2330.27944
3603135.14	2178.92955	2005.04092	1838.61990
3602985.14	2693.65710	2533.59488	1979.40902
3602835.14	2321.85347	2692.78586	2403.15766
3602685.14	1770.25473	1812.58560	2100.56227
3602535.14	1574.17530	1567.39826	1695.22284
3602385.14	1457.58399	1441.00182	1527.72710
3602235.14	1362.02212	1355.93771	1432.38754
3602085.14	1270.66966	1285.51503	1374.27399
3601935.14	1182.22593	1217.96082	1334.44188
3601785.14	1095.27303	1143.03903	1280.42841
3601635.14	1007.41161	1050.94014	1161.00200
3601485.14	922.65305	953.11139	1017.77126
3601335.14	843.89762	861.29837	895.39524
3601185.14	773.16875	781.34802	799.37775
3601035.14	710.97958	713.66826	723.21364
3600885.14	657.00051	656.51303	661.16798
3600735.14	610.30025	607.94281	609.57672
3600585.14	569.66326	566.28518	566.03512

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74	502635.74	502785.74	502935.74	503085.74
3606565.94	340.01290	341.60816	344.51547	349.38200	357.31058	370.23215	391.95250	431.21655	515.60641
3606415.94	359.60768	361.52662	364.92602	370.46861	379.34992	393.80830	418.55341	465.26087	576.08216
3606265.94	380.45522	382.71587	386.68951	393.04514	403.05991	419.31977	447.69624	504.35949	659.41707
3606115.94	402.65780	405.25522	409.87094	417.17427	428.48345	446.68783	478.81708	546.42173	772.51971
3605965.94	426.39129	429.30084	434.58813	442.93299	455.65353	475.79467	511.11203	586.57780	861.65694
3605815.94	451.88217	455.09326	461.05127	470.47996	484.69317	506.72445	544.49760	624.37882	923.15775
3605665.94	479.32797	482.89220	489.54976	500.08536	515.85166	539.79890	579.42746	660.32160	954.13287
3605515.94	508.88300	512.90571	520.38444	532.13229	549.58286	575.60073	616.82252	694.83743	933.23994
3605365.94	540.76654	545.29316	553.74168	566.95522	586.43703	615.02333	658.44704	733.21199	916.79916
3605215.94	575.46728	580.36585	589.76391	604.64535	626.71529	658.91160	706.33239	781.22829	928.04068
3605065.94	613.77017	618.79422	628.91276	645.37808	670.40132	707.43177	761.72690	843.44208	979.10324
3604915.94	656.42464	661.35339	671.94151	689.80192	717.86965	760.46889	824.24652	921.02369	1073.52116
3604765.94	703.83510	708.37604	719.11462	738.13447	769.25834	817.91344	892.93926	1011.31485	1206.92968
3604615.94	756.45265	759.95290	770.07163	789.39361	822.57754	876.15061	961.70072	1103.23951	1354.70410

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  3604465.94 |     815.89350    817.26655    825.50081    843.62860    876.69244
931.57015   1021.62344   1174.98101   1457.11444
  3604315.94 |     885.66135    883.47899    888.27706    903.56908    934.14926
986.47844   1074.22314   1224.10767   1496.52970
  3604165.94 |     971.40145    963.73545    963.06571    973.57078    999.10131
1045.36606   1124.52849   1257.72528   1490.56156
  3604015.94 |    1082.37865   1066.32345   1057.24786   1060.33169   1078.24754
1116.36531   1183.46986   1294.94696   1484.06554
  3603865.94 |    1236.50922   1206.87286   1184.77269   1176.64873   1184.63253
1213.26397   1267.35023   1358.50313   1514.57126
  3603715.94 |    1477.05146   1421.30410   1377.33264   1352.61823   1348.45023
1365.79305   1406.84062   1480.88464   1613.48559
  3603565.94 |    1961.41179   1830.06625   1743.34086   1693.87916   1672.64617
1674.74388   1701.43000   1760.07317   1871.95361
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503235.74	503385.74	503535.74	503685.74	503835.74	503985.74	504135.74	504285.74	504435.74
3606565.94	823.92153	1202.18247	612.49259	475.15572	412.73846	375.56442	349.89305	330.35669	314.38863
3606415.94	935.08857	951.23148	599.49553	490.10131	434.03965	398.18537	372.07944	351.45847	334.23672
3606265.94	910.02693	817.89522	593.44288	506.30899	456.68298	422.53162	396.25578	374.66333	356.20508
3606115.94	966.61096	760.38367	599.74706	527.47716	482.88118	450.05120	423.41055	400.72328	380.94701
3605965.94	1334.69428	753.44332	620.11147	556.53590	514.99287	482.52171	454.90147	430.73778	409.37834
3605815.94	1341.35820	781.16805	655.97159	596.27903	555.66038	522.13323	492.56002	466.27837	442.74751
3605665.94	1401.45838	835.63326	709.73025	650.43329	608.42685	571.92201	539.01137	509.55029	482.69609
3605515.94	1400.17464	930.06977	787.75239	725.12953	678.71103	636.45342	598.13098	563.57299	531.32334
3605365.94	1245.87156	1093.38010	903.31716	831.65034	775.87784	723.28982	675.78782	632.38180	591.49317
3605215.94	1498.74439	1420.64759	1084.86352	992.85975	917.79521	845.71478	780.84367	721.71018	668.00934
3605065.94	1296.04989	1583.74427	1407.22278	1262.72790	1142.85067	1027.68677	927.07371	842.02348	771.18127
3604915.94	1339.02882	1912.65467	2163.87080	1803.34877	1545.64448	1314.44542	1143.06575	1020.42617	927.78706
3604765.94	1552.90638	2242.76840	3343.72317	3366.43275	2407.51105	1830.28430	1535.80110	1358.45246	1234.27300
3604615.94	1866.36607	3294.05048	6763.06282	9850.75860	4827.83412	3252.23533	2752.15804	2448.55061	2643.80541

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3604465.94	2067.56132	3955.63292	9615.16327	7857.11581	4605.93570	3341.82608	2534.75910	2215.94085	2044.38819
3604315.94	2073.14228	3848.40925	8716.78565	5484.50845	3416.48384	2896.57283	2369.74919	1853.01985	1558.51921
3604165.94	1949.36243	3212.17098	7922.98830	4417.20665	2854.41978	2283.44212	2166.54951	1970.36767	1652.82052
3604015.94	1836.61587	2725.20211	4873.24427	3557.62246	2525.59133	2063.77700	1833.16598	1807.91568	1795.51320
3603865.94	1811.77409	2586.76862	4581.76873	3216.45345	2352.46813	1976.41810	1758.54313	1639.64562	1658.96516
3603715.94	1881.16975	2605.29189	4408.77793	3171.33616	2348.61761	2017.73930	1817.97961	1681.73285	1607.26943
3603565.94	2108.92520	2786.49739	4525.65266	3393.42260	2616.63089	2312.36508	2116.14903	1954.41622	1824.12957

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504585.74	504735.74	504885.74
3606565.94	300.64645	288.40181	277.20786
3606415.94	319.28310	305.90657	293.60598
3606265.94	340.00430	325.39059	311.79739
3606115.94	363.37200	347.28285	332.07384
3605965.94	390.10027	372.09053	354.78054
3605815.94	421.06747	400.40755	380.35320
3605665.94	457.38712	433.03526	409.46383
3605515.94	500.55920	471.22633	443.26158
3605365.94	553.05168	517.27427	483.81130
3605215.94	619.62870	575.67807	534.99787
3605065.94	710.52941	656.11517	605.21583
3604915.94	851.68291	783.37361	716.64237
3604765.94	1135.70749	1047.03705	954.06758
3604615.94	2483.88268	2333.36249	2164.88084
3604465.94	1933.53789	1847.27113	1757.64357
3604315.94	1387.05766	1261.35104	1150.80417
3604165.94	1335.75201	1163.72898	1037.33236
3604015.94	1558.27332	1211.04202	1040.35769
3603865.94	1687.07464	1415.25133	1110.52553
3603715.94	1715.19869	1594.81505	1250.58817
3603565.94	1788.70764	1855.01827	1497.68713

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59	505613.59	505763.59	505913.59	506063.59
3603583.99	1547.51286	1156.92790	968.14039	843.20816	750.07040	675.77372	613.53493	559.59424	511.85606
3603433.99	2174.85950	1355.92577	1074.47668	913.02516	803.12996	720.14494	652.47989	594.22364	542.39966
3603283.99	2337.30075	1752.84532	1255.45421	1008.51597	870.47340	774.74940	699.62855	635.58026	578.31853
3603133.99	1858.29009	1938.47118	1680.81746	1144.16568	958.64253	844.69070	759.28261	687.21870	622.33589
3602983.99	2047.11714	1816.78913	1752.69903	1324.51621	1075.59426	937.53694	837.98028	754.68729	678.71007
3602833.99	2522.67103	2554.32421	2032.99203	1558.03823	1238.95877	1067.15159	947.48904	848.29290	755.22373
3602683.99	2019.18616	3022.93388	3023.90201	1991.88696	1501.70512	1264.13310	1112.69845	989.82730	867.45208
3602533.99	1660.63602	2039.72887	3547.41413	3547.42775	2015.91942	1598.40140	1394.37561	1235.47317	1051.75081
3602383.99	1504.67756	1734.34443	2460.48060	3668.28374	3362.60741	2242.44191	1978.13940	1796.21939	1418.87768
3602233.99	1413.37248	1588.30305	1992.35974	3079.52239	4156.69443	3786.88138	3735.30363	4582.18780	2487.96217
3602083.99	1353.85317	1533.46067	1894.16129	2604.41896	4412.97025	6490.44313	6805.08540	7838.83782	3404.26710
3601933.99	1307.95583	1554.00115	2103.72131	3195.21052	6399.65516	8483.28469	6372.14735	3564.52898	2283.20298
3601783.99	1247.97146	1604.85599	3926.75652	4389.34818	5754.58937	4561.16375	5049.53893	2649.99292	1828.28339
3601633.99	1135.45448	1382.95025	2227.48051	2936.53827	2744.55511	3135.53972	3824.94700	2198.24655	1556.81349

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  3601483.99 |    1003.54569   1115.50071   1339.31768   1617.79745   1801.72405
2296.06758   3060.69964   1817.24225   1340.49865
  3601333.99 |     887.82931    944.04606   1046.71007   1179.65589   1306.89878
1490.04288   1795.25618   1415.69053   1141.75703
  3601183.99 |     795.04196    826.62265    882.14578    952.59964   1022.39495
1097.11375   1152.70332   1086.90020    964.25669
  3601033.99 |     720.59187    739.17245    771.24779    811.08407    851.21188
890.48617    909.21506    881.25903    821.12609
  3600883.99 |     659.56478    670.54342    689.83377    713.75935    738.23267
760.02824    766.65434    748.83763    712.93466
  3600733.99 |     608.62332    614.89567    626.76952    641.76950    657.08150
669.12803    670.22289    656.52084    631.60819
  3600583.99 |     565.50891    568.74863    576.00493    585.51820    595.04760
601.36578    599.63279    588.09985    569.04247
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506213.59	506363.59	506513.59	506663.59	506813.59	506963.59	507113.59	507263.59	507413.59
3603583.99	469.21640	431.17975	397.46532	367.67599	341.23437	317.51801	296.04747	276.53166	258.79793
3603433.99	495.78132	454.09550	417.22558	384.70785	355.78324	329.76655	306.24037	284.98884	265.85776
3603283.99	526.49707	480.16838	439.32680	403.30410	371.18076	342.32623	316.44953	293.35924	272.82788
3603133.99	563.29735	510.69567	464.51700	423.72716	387.40580	355.13943	326.68651	301.71438	279.78941
3602983.99	609.06729	547.38639	493.45647	445.97881	404.32044	368.18534	337.03350	310.14045	286.79133
3602833.99	668.65526	592.52754	526.56687	469.82749	421.82615	381.53096	347.57381	318.69077	293.87821
3602683.99	750.19040	648.54235	563.76423	495.11488	440.02043	395.30589	358.40988	327.47900	301.18538
3602533.99	866.54844	716.59690	604.76264	522.14065	459.25863	409.77685	369.74904	336.64627	308.76769
3602383.99	1034.63408	796.92880	650.59841	551.69670	479.82805	424.90000	381.33877	345.81370	316.19801
3602233.99	1268.27192	890.74516	700.10608	581.75279	499.81238	439.08969	391.92959	354.03005	322.77205
3602083.99	1466.96299	969.74938	741.38184	606.71937	516.39673	450.86812	400.73823	360.88942	328.29225
3601933.99	1443.29060	1002.80933	767.56415	624.99546	529.37518	460.44029	408.07615	366.70874	333.04519
3601783.99	1318.99410	986.26794	773.98217	634.77431	538.27349	467.79903	414.07383	371.64656	337.18356
3601633.99	1190.07317	938.61940	760.51044	633.60643	541.31284	472.01349	418.31269	375.52854	340.63816

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  3601483.99 |    1069.31217    876.93523    732.29427    622.08454    537.61632
472.00636    419.99801    377.88545    343.16494
  3601333.99 |     954.01450    810.00941    695.11049    602.53462    527.90195
467.64126    418.59775    378.15064    344.32741
  3601183.99 |     845.56879    742.05313    653.18037    577.42200    513.33196
459.43051    414.19103    376.09594    343.75950
  3601033.99 |     748.57800    676.32534    609.26504    548.74462    495.03198
447.97445    407.13757    371.87091    341.41096
  3600883.99 |     666.57813    616.13296    565.96068    518.28099    474.10427
433.90010    397.80692    365.74753    337.45666
  3600733.99 |     599.46409    563.18304    525.31459    487.81167    451.80855
417.94706    386.60667    357.97856    332.10136
  3600583.99 |     544.93525    517.59790    488.43955    458.69664    429.33259
400.97955    374.06075    348.85445    325.53080
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507563.59	507713.59	507863.59
3603583.99	242.71506	228.15511	214.97787
3603433.99	248.67910	233.26136	219.39965
3603283.99	254.57694	238.31417	223.76559
3603133.99	260.46694	243.35042	228.10813
3602983.99	266.37416	248.40009	232.47830
3602833.99	272.36310	253.54810	236.96670
3602683.99	278.56232	258.88895	241.62150
3602533.99	284.94004	264.32478	246.30456
3602383.99	291.07950	269.48118	250.69602
3602233.99	296.47133	273.99488	254.53901
3602083.99	301.03336	277.84744	257.84998
3601933.99	305.01345	281.24977	260.80810
3601783.99	308.54991	284.32456	263.52127
3601633.99	311.61575	287.06200	265.98683
3601483.99	314.08761	289.39504	268.16106
3601333.99	315.68183	291.15509	269.94582
3601183.99	316.04207	292.06261	271.14795
3601033.99	314.97667	291.87393	271.53898
3600883.99	312.53417	290.52073	270.97865
3600733.99	308.87703	288.09241	269.47091
3600583.99	304.16367	284.72977	267.11581

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98	505613.98	505763.98	505913.98	506063.98
3606564.47	278.93372	268.37808	258.36321	248.74365	239.45902	230.50113	221.87558	213.58480	205.62563
3606414.47	295.50972	283.82546	272.65138	261.87129	251.46521	241.45767	231.87274	222.71747	213.98260
3606264.47	313.91311	300.86549	288.28345	276.11269	264.39079	253.17957	242.51791	232.40872	222.82386
3606114.47	334.45451	319.69912	305.39202	291.56553	278.31955	265.74756	253.88896	242.72490	232.19700
3605964.47	357.49948	340.58123	324.16821	308.38687	293.39001	279.28311	266.08405	253.73422	242.14020
3605814.47	383.50160	363.87919	344.92844	326.84701	309.82117	293.95001	279.21055	265.49592	252.68326
3605664.47	413.14761	390.21243	368.20977	347.36888	327.91414	309.94345	293.38222	278.07281	263.87076
3605514.47	447.60819	420.62338	394.84592	370.54253	348.05496	327.50192	308.73881	291.55786	275.79031
3605364.47	489.00056	456.88605	426.14828	397.22976	370.77618	346.93613	325.46296	306.09180	288.57343
3605214.47	541.33752	502.24785	464.41346	428.81406	396.82110	368.59613	343.74379	321.82671	302.34262
3605064.47	613.31189	563.61927	514.15245	467.52848	427.02065	392.70820	363.69418	338.84294	317.12466
3604914.47	727.89438	658.98299	585.66946	516.84942	461.87413	419.25241	385.28453	357.05085	332.77647
3604764.47	972.38663	860.20533	712.65120	581.73447	501.27646	447.99802	408.16461	376.04200	348.92541
3604614.47	2219.82857	1980.34094	1117.86224	664.20474	543.53665	477.50160	431.31512	395.21861	365.28082

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  3604464.47 |    1758.17161   1617.77479   1156.50050    722.80377    580.92500
505.86355    454.49950    414.87454    382.28273
  3604314.47 |    1164.56876   1048.51043    893.78756    725.99723    609.41705
533.26343    478.48672    435.74745    400.53652
  3604164.47 |    1053.80509    942.26881    831.19443    722.87297    630.91288
559.03074    503.02305    457.87902    420.17436
  3604014.47 |    1061.43936    933.85653    827.32307    733.43162    652.35747
584.31979    528.04370    481.10553    441.14591
  3603864.47 |    1141.43323    973.21257    854.17292    758.43171    678.72363
611.57245    554.59956    505.85467    463.62265
  3603714.47 |    1302.75305   1051.36909    904.35881    797.13709    712.67644
643.14952    584.15300    533.05343    488.16525
  3603564.47 |    1596.26676   1175.94855    979.18305    850.88934    756.10063
680.91252    618.09582    563.67918    515.47967
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506213.98	506363.98	506513.98	506663.98	506813.98	506963.98	507113.98	507263.98	507413.98
3606564.47	197.98918	190.66558	183.64746	176.93032	170.50949	164.37748	158.52240	152.93021	147.58738
3606414.47	205.64786	197.69122	190.09577	182.85072	175.94671	169.37184	163.11069	157.14659	151.46509
3606264.47	213.72244	205.06793	196.83546	189.00942	181.57697	174.52262	167.82766	161.47251	155.44070
3606114.47	222.24022	212.80740	203.86922	195.40709	187.40440	179.84072	172.69179	165.93292	159.54374
3605964.47	231.21896	220.91870	211.20747	202.06116	193.45524	185.35976	177.74136	170.56764	163.81279
3605814.47	240.67967	229.42749	218.88613	209.01733	199.78068	191.13148	183.02456	175.41954	168.28491
3605664.47	250.67127	238.39517	226.97436	216.34500	206.44396	197.20946	188.58502	180.52360	172.98870
3605514.47	261.28796	247.91527	235.55609	224.11234	213.49697	203.63213	194.45146	185.90207	177.94192
3605364.47	272.64673	258.07863	244.69353	232.35807	220.96206	210.41186	200.63059	191.55834	183.14499
3605214.47	284.82561	268.92318	254.39569	241.07350	228.82050	217.52498	207.09723	197.46647	188.57025
3605064.47	297.80370	280.39846	264.59802	250.18821	237.00172	224.90394	213.78848	203.56819	194.16199
3604914.47	311.41733	292.34177	275.15082	259.57223	245.39700	232.45919	220.62982	209.79953	199.86220
3604764.47	325.36873	304.53470	285.90369	269.12668	253.94338	240.15243	227.59739	216.14307	205.65453
3604614.47	339.56298	316.99332	296.92635	278.94026	262.73041	248.06652	234.76562	222.66089	211.58745

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  3604464.47 |     354.44194    330.10787    308.54383    289.27736    271.97317
256.37676    242.27564    229.46526    217.74795
  3604314.47 |     370.47766    344.24022    321.03561    300.36028    281.85508
265.23690    250.25203    236.65189    224.20814
  3604164.47 |     387.80368    359.50663    334.50352    312.28340    292.46539
274.72585    258.75569    244.25877    230.98548
  3604014.47 |     406.46120    375.98318    349.02883    325.12113    303.86400
284.87919    267.79096    252.26194    238.03507
  3603864.47 |     426.55445    393.76663    364.70536    338.95340    316.09969
295.69871    277.31066    260.57778    245.25557
  3603714.47 |     448.36830    412.98703    381.59584    353.81114    329.16430
307.12214    287.20443    269.07058    252.51036
  3603564.47 |     472.38491    433.92621    399.84620    369.74233    343.01612
319.03270    297.31723    277.58872    259.67963
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507563.98	507713.98	507863.98
3606564.47	142.48322	137.61098	132.96694
3606414.47	146.05562	140.91130	136.02741
3606264.47	149.72027	144.30250	139.17953
3606114.47	153.50892	147.81613	142.45254
3605964.47	157.45711	151.48350	145.87307
3605814.47	161.59632	155.33100	149.46288
3605664.47	165.95048	159.37856	153.23773
3605514.47	170.53338	163.63579	157.20233
3605364.47	175.34140	168.09332	161.34108
3605214.47	180.34352	172.71548	165.61325
3605064.47	185.48408	177.44570	169.96188
3604914.47	190.70817	182.23089	174.33661
3604764.47	195.99783	187.05213	178.71941
3604614.47	201.38924	191.93734	183.13358
3604464.47	206.95082	196.94138	187.62536
3604314.47	212.73626	202.10655	192.22806
3604164.47	218.75017	207.42794	196.93320
3604014.47	224.93553	212.84640	201.68505
3603864.47	231.18689	218.26525	206.40389
3603714.47	237.38640	223.59209	211.02369
3603564.47	243.45742	228.78841	215.52504

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32
3603584.9	32496.53954 (90020907)	37416.99902 (90020907)	46651.89290 (90120306)	31082.17666 (91031207)	31420.14756 (91031207)
3603434.9	43192.95547 (90012702)	59308.81661 (90012702)	60458.66136 (91011103)	59863.28042 (91011103)	59068.41241 (91011103)
3603284.9	26929.56185 (90021006)	30088.56478 (90021006)	37644.55746 (90031506)	26579.11449 (92100506)	26097.70662 (92100506)
3603134.9	19354.49364 (92100506)	24684.31266 (92092803)	26816.14186 (90012605)	19210.06107 (91030303)	19884.70227 (91030303)
3602984.9	18284.77148 (90021006)	25026.63184 (92103108)	21438.03333 (90012605)	17357.72424 (90021006)	17931.94491 (90021006)
3602834.9	17902.03279 (90021006)	26148.93410 (90110406)	18096.62466 (90012605)	16044.84985 (92100506)	16471.72148 (92100506)
3602684.9	17734.88072 (92100506)	24389.88764 (90120306)	15767.98580 (90012605)	14822.71908 (92122207)	15113.60420 (92122207)
3602534.9	17779.75783 (92122207)	21226.82357 (90100905)	14041.78115 (90012605)	13566.06080 (92100404)	13614.76127 (92100404)
3602384.9	17135.06448 (92122207)	17919.23971 (90100905)	12733.41353 (90012605)	12505.45015 (90020607)	12536.49129 (90020607)
3602234.9	17015.40950 (92103108)	16012.46112 (90031506)	11830.24095 (90020607)	11592.92916 (90020607)	11503.92476 (90020607)
3602084.9	16200.39751 (90110406)	15939.62749 (90031506)	11204.82588 (90020607)	10889.08718 (90020607)	10812.94922 (90020607)
3601934.9	14803.82230 (90110406)	17868.66929 (90012605)	10863.02068 (90020607)	10482.77005 (90020607)	10438.52657 (90020607)
3601784.9	13481.87144 (92112604)	18568.81993 (90031506)	10752.75904 (90020607)	10266.31703 (90020607)	10213.31564 (90020607)
3601634.9	12337.41317 (90120306)	18040.77181 (90020605)	11599.96580 (92092408)	10129.48451 (90020607)	10012.37765 (90110404)

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 3601484.9 |  11570.94447 (90110404)  16762.14884 (90012904)  16152.54729 (91012204)
10265.07501 (90110404)  10008.57105 (91031608)
 3601334.9 |  11114.06571 (90110404)  13576.90688 (90121706)  25556.38082 (92020506)
18433.23277 (92092408)  13103.20674 (92092408)
 3601184.9 |  11914.39691 (90110404)  14216.71537 (91031608)  17681.00322 (91031608)
24567.85301 (90121805)  21076.89625 (91012204)
 3601034.9 |  11619.27968 (91031608)  12655.16090 (90012806)  14216.37193 (90012806)
16942.05600 (90012806)  23589.20459 (92011404)
 3600884.9 |  10881.63143 (90012806)  11573.86604 (90012806)  12486.03947 (90012806)
13801.01088 (90012806)  16006.50946 (90012806)
 3600734.9 |  10205.74944 (90012806)  10670.40207 (90012806)  11235.29273 (90012806)
12085.63259 (90011809)  13299.84155 (90011809)
 3600584.9 |   9522.96787 (90012806)   9969.81720 (90011809)  10479.21371 (90011809)
11057.82404 (90011809)  11756.89948 (90011809)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496671.32	496821.32	496971.32	497121.32	497271.32
3603584.9	32726.90334 (91031207)	34451.57482 (91031207)	36333.95811 (91031207)	38129.26196 (91031207)	40312.25318 (91013103)
3603434.9	58444.95356 (91011103)	58029.09156 (91011103)	58607.20637 (91011103)	59327.63320 (90012702)	57658.87548 (91030303)
3603284.9	25188.55916 (92013103)	25265.10195 (91030303)	26475.24636 (91030303)	28067.50332 (91030303)	30122.44046 (91030303)
3603134.9	20751.58881 (91030303)	21764.15745 (91030303)	22911.05496 (91030303)	24196.34295 (91030303)	25896.13398 (90021006)
3602984.9	18638.10660 (90021006)	19403.76862 (90021006)	20409.70967 (92100506)	21528.43208 (92100506)	22603.30893 (92100506)
3602834.9	16949.08837 (92100506)	17564.85663 (92122207)	18271.12302 (92122207)	18839.46374 (92122207)	19297.28177 (92100404)
3602684.9	15397.56745 (92122207)	15652.83359 (92100404)	15998.73727 (90020607)	16390.42400 (90020607)	16534.00698 (90020607)
3602534.9	13859.65468 (90020607)	14055.84348 (90020607)	14124.55830 (90020607)	14109.33683 (90110404)	14068.88410 (90012806)
3602384.9	12546.22825 (90020607)	12522.59799 (90020607)	12483.95990 (90020607)	12505.88849 (92122207)	12710.42626 (92122207)
3602234.9	11467.77617 (90020607)	11498.09830 (92122207)	11664.47375 (92122207)	11876.32506 (92122207)	12130.26270 (92122207)
3602084.9	10836.99251 (90020607)	10949.94986 (92100404)	11121.13939 (92100404)	11323.06959 (92100404)	11572.07961 (90020607)
3601934.9	10511.03321 (90020607)	10650.38411 (90020607)	10837.67934 (90020607)	11061.84449 (90020607)	11313.61310 (90020607)
3601784.9	10276.92833 (90020607)	10392.44603 (90020607)	10535.67630 (90020607)	10709.28812 (90110404)	10941.71647 (90110404)
3601634.9	10050.14974 (90110404)	10139.20079 (90110404)	10252.01002 (90110404)	10450.60306 (91031608)	10657.07024 (91031608)

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 3601484.9 |   9970.18302 (91031608)  10005.14103 (91031608)  10071.48158 (91031608)
10144.49329 (91031608)  10361.36400 (90012806)
 3601334.9 |  10598.25096 (92092408)   9905.44595 (90012806)   9946.54279 (90012806)
10014.02571 (90012806)  10075.60052 (90012806)
 3601184.9 |  15588.34025 (92092408)  11972.32567 (92092408)   9942.06142 (92092408)
9692.49128 (90012806)   9751.61264 (90011809)
 3601034.9 |  23654.88298 (90121806)  16917.88963 (92092408)  12587.26010 (92092408)
10240.72615 (92092408)   9578.87038 (90011809)
 3600884.9 |  20867.82575 (90012806)  25199.06998 (90122610)  18613.59301 (92092408)
13145.44037 (92092408)  10361.07298 (92092408)
 3600734.9 |  15170.09538 (90011809)  18901.60987 (90011809)  25732.42129 (91013011)
20381.37492 (92092408)  13281.57339 (92092408)
 3600584.9 |  12741.71169 (90022203)  14324.78378 (90022203)  17155.24109 (90022203)
25799.81580 (90030707)  20010.48535 (90031605)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497421.32	497571.32	497721.32	497871.32	498021.32
3603584.9	42358.23162 (91013103)	43937.69418 (90012807)	42284.81994 (91011102)	38578.33888 (90020406)	36123.07889 (90012906)
3603434.9	53565.97735 (91030303)	51076.16598 (91011103)	54618.96740 (90020907)	66027.24775 (91031207)	76878.91598 (90020703)
3603284.9	32828.37945 (91030303)	36479.50453 (91030303)	41647.68281 (91030303)	49520.26254 (91030303)	62586.68732 (91030303)
3603134.9	28060.93931 (90021006)	30546.90478 (90021006)	33698.47632 (92100506)	37204.64953 (92100506)	41318.29006 (92122207)
3602984.9	23986.13168 (92122207)	25235.85068 (92122207)	26350.62231 (90020607)	27541.63213 (90020607)	28115.65211 (91031608)
3602834.9	20030.21935 (90020607)	20409.62584 (90020607)	20585.72892 (91031608)	20995.05619 (90022203)	21641.37632 (92012907)
3602684.9	16603.32439 (91031608)	16602.04540 (90011809)	16997.56109 (90092306)	17472.06495 (92012907)	17468.91779 (90091203)
3602534.9	14212.83484 (90022203)	14502.16925 (90092306)	14767.78964 (92012907)	14844.24878 (92100506)	15382.47324 (92100506)
3602384.9	12977.81706 (92122207)	13310.19106 (92122207)	13708.02364 (92122207)	14168.65168 (92122207)	14685.57289 (92122207)
3602234.9	12422.34554 (92122207)	12746.87430 (92122207)	13098.57622 (92122207)	13491.10742 (92100404)	13913.24311 (92100404)
3602084.9	11891.24881 (90020607)	12252.69655 (90020607)	12646.41799 (90020607)	13060.77564 (90020607)	13481.39778 (90020607)
3601934.9	11583.48700 (90020607)	11860.92838 (90020607)	12188.96038 (90110404)	12542.99717 (90110404)	12984.71598 (91031608)
3601784.9	11177.21817 (90110404)	11490.50049 (91031608)	11805.31039 (91031608)	12087.51417 (91031608)	12523.34242 (90012806)
3601634.9	10852.62599 (91031608)	11091.52225 (90012806)	11432.64888 (90012806)	11719.24005 (90012806)	11927.32806 (90012806)

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3601484.9 | 10581.00121 (90012806) 10763.04587 (90012806) 10889.15588 (90012806) 11156.70989 (90011809) 11489.25512 (90011809)
3601334.9 | 10110.46029 (90012806) 10304.62743 (90011809) 10555.79893 (90011809) 10710.98810 (90011809) 10948.78526 (90022203)
3601184.9 | 9884.58866 (90011809) 9968.66525 (90011809) 10085.83333 (90022203) 10299.98367 (90022203) 10376.93030 (90022203)
3601034.9 | 9502.91370 (90022203) 9636.14103 (90022203) 9695.50446 (90022203) 9656.33088 (90022203) 9813.64669 (90092306)
3600884.9 | 9295.36151 (90022203) 9181.59345 (90022203) 9133.85727 (90092306) 9263.45986 (90092306) 9252.47300 (90092306)
3600734.9 | 10103.58935 (92092408) 8784.31087 (90092306) 8781.03264 (90092306) 8754.72189 (90092305) 8784.88079 (92012907)
3600584.9 | 10544.92747 (92122602) 8380.66044 (90092306) 8320.09756 (90092305) 8308.87121 (92012907) 8245.23027 (92103107)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498171.32	498321.32	498471.32	498621.32	498771.32
3603584.9	37192.48855 (91012204)	37167.20946 (91013103)	40103.78003 (90020703)	40931.55780 (90012807)	40922.16396 (90012807)
3603434.9	80495.87722 (90121805)	62153.63609 (91012204)	49650.91232 (92092408)	70370.25803 (91011103)	68461.56729 (90020907)
3603284.9	85411.24677 (91030303)	117889.77175 (90020907)	91035.95222 (92013009)	115716.23232 (92092408)	81741.83539 (92092408)
3603134.9	45672.00756 (92122207)	51111.09069 (90020607)	56596.15845 (92012907)	78744.58050 (90123106)	80622.61280 (91111303)
3602984.9	29262.21330 (90092306)	30484.22642 (92103107)	31001.86536 (90010603)	36280.63306 (92011404)	40697.83658 (90010305)
3602834.9	21849.00720 (90091203)	22133.54709 (91121305)	21782.35919 (90120604)	24094.60423 (92012307)	27301.20374 (92122606)
3602684.9	17523.11299 (92011308)	17714.52459 (90021006)	18496.53202 (90021006)	19299.18083 (90021006)	20215.40465 (92100506)
3602534.9	15989.05558 (92100506)	16647.96681 (92100506)	17337.41810 (92100506)	18117.45517 (92122207)	18959.84100 (92122207)
3602384.9	15247.34901 (92122207)	15838.04874 (92122207)	16439.78852 (92122207)	17036.81789 (92122207)	17834.65529 (90020607)
3602234.9	14471.86831 (90020607)	15077.93607 (90020607)	15680.36691 (90020607)	16271.17314 (90110404)	16997.40876 (91031608)
3602084.9	13915.82560 (90110404)	14414.43521 (91031608)	15020.11963 (91031608)	15554.42594 (91031608)	16310.73097 (90012806)
3601934.9	13406.84889 (91031608)	13874.25496 (90012806)	14438.86555 (90012806)	14877.04086 (90012806)	15377.56710 (90011809)
3601784.9	12931.66495 (90012806)	13238.51853 (90012806)	13642.96932 (90011809)	14146.77426 (90011809)	14524.04269 (90022203)
3601634.9	12259.03780 (90011809)	12671.55474 (90011809)	12907.05245 (90022203)	13366.92701 (90022203)	13538.88782 (90022203)

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 3601484.9 |  11686.17086 (90011809)  12036.12728 (90022203)  12252.53304 (90022203)
12323.24926 (90092306)  12581.33535 (90092306)
 3601334.9 |  11180.17614 (90022203)  11223.55651 (90022203)  11436.60257 (90092306)
11524.16476 (90092306)  11616.48715 (92012907)
 3601184.9 |  10418.27950 (90092306)  10626.20342 (90092306)  10666.51778 (90092305)
10721.10990 (92012907)  10690.45875 (92103107)
 3601034.9 |   9897.18662 (90092306)   9944.42175 (92012907)   9945.34393 (92012907)
9933.13379 (92103107)   9799.83034 (92102504)
 3600884.9 |   9328.08650 (92012907)   9272.48836 (92012907)   9278.94483 (92103107)
9154.29112 (92102504)   9337.93634 (90091203)
 3600734.9 |   8711.97080 (92103107)   8710.37744 (92103107)   8593.83836 (92102504)
8744.68979 (90091203)   8773.98626 (90110206)
 3600584.9 |   8213.81691 (92103107)   8103.75749 (92102504)   8223.05153 (90091203)
8245.66919 (90110206)   8294.45519 (92110709)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498921.32
3603584.9	40127.10569 (90012807)
3603434.9	77756.08977 (90020907)
3603284.9	62171.97587 (92092408)
3603134.9	68301.03827 (92013009)
3602984.9	38383.37205 (90101006)
3602834.9	27018.19916 (90123106)
3602684.9	21203.84186 (92100506)
3602534.9	19807.76931 (92122207)
3602384.9	18650.84787 (90020607)
3602234.9	17752.55180 (91031608)
3602084.9	16921.64044 (90012806)
3601934.9	15991.13785 (90011809)
3601784.9	14991.88982 (90022203)
3601634.9	13775.21825 (90092306)
3601484.9	12652.15018 (92012907)
3601334.9	11574.02049 (92103107)
3601184.9	10549.65963 (92102504)
3601034.9	10016.27667 (90091203)
3600884.9	9364.17762 (90110206)
3600734.9	8847.77100 (92110709)
3600584.9	8291.92906 (92042704)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40
3606567.5	11929.34326 (90012906)	13053.87739 (90012904)	14449.47476 (90012904)	17504.65839 (90022003)	29606.46876 (90022306)
3606417.5	12277.50077 (90012906)	13571.79886 (90012906)	15582.15702 (90012906)	19584.31249 (90012904)	39026.55862 (92020809)
3606267.5	12682.31848 (90121805)	13947.27318 (90121805)	16072.39512 (90012906)	20528.67593 (90012904)	42447.15157 (92020809)
3606117.5	13011.62185 (90121805)	14394.23832 (90121805)	16606.99755 (90121805)	21164.02186 (90012904)	43635.41659 (92020809)
3605967.5	13252.33783 (90020406)	14724.74891 (90121805)	17084.31766 (90121805)	21743.67545 (90121805)	44128.53859 (92020809)
3605817.5	13518.19954 (90020406)	14996.35408 (90020406)	17394.99144 (90121805)	22256.22635 (90121805)	44126.05095 (92020809)
3605667.5	13820.16263 (90121706)	15308.49184 (90121706)	17683.36515 (90020406)	22545.75112 (90020406)	44177.39349 (92092803)
3605517.5	13818.47719 (91011102)	15601.75410 (90121706)	18187.81115 (90121706)	23056.21703 (90121706)	45207.71135 (90110406)
3605367.5	13528.64073 (91011102)	15256.00353 (91011102)	18328.28079 (91011102)	24300.90220 (90121706)	51282.47515 (90110406)
3605217.5	13545.03201 (91011102)	14799.80666 (91011102)	17046.96847 (91011102)	23040.42465 (91011102)	58957.79015 (90120306)
3605067.5	14030.74534 (91011102)	15336.20732 (91011102)	17543.01706 (91011102)	23823.08400 (91121305)	47319.90323 (90012605)
3604917.5	14712.26274 (91012307)	16002.62940 (91011102)	18516.57069 (91011102)	26418.22503 (90110405)	42058.52488 (90110403)
3604767.5	15751.32023 (91012307)	17188.12891 (91012307)	19893.70602 (91012307)	30644.54424 (90120604)	33379.72018 (91012203)
3604617.5	16672.61693 (90110307)	18374.22673 (91012307)	21666.99260 (91012307)	36777.14311 (92092803)	26807.36870 (91012203)

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3604467.5 | 17680.31132 (90012807) 19582.75328 (90110307) 23575.83047 (90110307) 43425.42357 (90110406) 22704.69803 (90110403)
3604317.5 | 18947.39731 (90012807) 21131.32765 (90012807) 25985.22110 (90012807) 44514.86922 (90100905) 19947.04430 (92092408)
3604167.5 | 20404.62323 (90012807) 22910.25652 (90012807) 29013.74058 (90012807) 38816.40304 (90012605) 18471.01777 (92092408)
3604017.5 | 22380.72186 (90020703) 25337.60528 (90020703) 33216.52748 (90020703) 31237.23165 (90102504) 19492.09124 (90012807)
3603867.5 | 24795.15576 (91013103) 28515.00742 (91013103) 35271.36024 (92092803) 25558.01552 (92122605) 22404.72009 (90020703)
3603717.5 | 28068.43403 (91031207) 32517.68749 (91031207) 39901.56691 (90110406) 26902.22157 (91031207) 26367.14294 (91031206)
3603567.5 | 33815.87779 (90020907) 38959.28660 (90020907) 42789.02687 (90120306) 32288.36234 (90020907) 32352.21892 (90020907)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496674.40	496824.40	496974.40	497124.40	497274.40
3606567.5	31519.24653 (90122502)	18625.35170 (92112405)	12834.48945 (91013010)	9735.02159 (90012509)	7814.23377 (90040908)
3606417.5	38460.54192 (91011312)	18895.50693 (92112405)	12913.66386 (91013010)	10072.86049 (92092408)	8972.16494 (92092408)
3606267.5	39832.39446 (91011312)	20496.42183 (92092408)	15048.56812 (92092408)	12217.05480 (92092408)	10471.54236 (92092408)
3606117.5	39322.56018 (91011312)	21219.97188 (92092408)	15532.93580 (92092408)	12592.44492 (92092408)	10788.75899 (92092408)
3605967.5	39099.71298 (92112405)	21568.24091 (92092408)	15819.30050 (92092408)	12814.21358 (92092408)	10970.92146 (92092408)
3605817.5	38366.83784 (92112405)	21703.02768 (92092408)	15992.04622 (92092408)	12987.81206 (92092408)	11140.73862 (92092408)
3605667.5	36585.41760 (91011803)	21741.15584 (92092408)	16133.06036 (92092408)	13158.50848 (92092408)	11303.25950 (92092408)
3605517.5	35843.06107 (92092408)	21671.81399 (92092408)	16179.79921 (92092408)	13181.26316 (92092408)	11243.70102 (92092408)
3605367.5	33579.52139 (92092408)	20859.15204 (92092408)	15473.41909 (92092408)	12424.81974 (92092408)	10491.20276 (92092408)
3605217.5	27916.65549 (92092408)	17327.74122 (92092408)	13033.25976 (92092408)	10718.54972 (92092408)	9848.19658 (90020406)
3605067.5	24468.42268 (90022005)	15184.78130 (92012307)	11388.81886 (92092408)	10573.37377 (90121706)	10344.72262 (90121706)
3604917.5	21588.01905 (90021008)	14471.21265 (92012307)	11418.86726 (91011102)	11100.30887 (90121706)	10932.18491 (90121706)
3604767.5	18949.41090 (91021003)	13653.50073 (90070507)	12049.01549 (91011102)	11823.18627 (91011102)	11650.79872 (91011102)
3604617.5	16901.56307 (90121007)	13003.63232 (91012307)	12717.69977 (91011102)	12580.87846 (91011102)	12485.75089 (91011102)

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3604467.5 | 15263.93237 (90121007) 14204.61353 (91012307) 13876.84932 (91012307) 13618.89391 (91012307) 13396.50901 (91011102)
3604317.5 | 15786.43439 (90110307) 15385.41291 (90110307) 15190.66517 (91012307) 15087.87977 (91012307) 15004.69145 (91012307)
3604167.5 | 17169.43988 (90012807) 16863.46745 (90012807) 16668.83840 (90012807) 16636.29214 (90110307) 16644.08743 (90110307)
3604017.5 | 18887.34846 (90012807) 18723.39239 (90012807) 18730.72273 (90012807) 18761.43212 (90012807) 18777.86383 (90012807)
3603867.5 | 22031.44790 (90020703) 21952.74455 (90012807) 21723.66179 (90012807) 21552.81694 (90012807) 21581.86769 (90012807)
3603717.5 | 26871.39339 (91013103) 27538.30611 (91013103) 27944.70663 (90020703) 28326.90115 (90012807) 28234.83277 (90012807)
3603567.5 | 33546.81554 (91031207) 35471.13766 (91031207) 37723.69221 (91031207) 40132.53426 (91031207) 42300.76136 (91031206)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497424.40	497574.40	497724.40	497874.40	498024.40
3606567.5	7197.70705 (90012904)	7201.40341 (90012904)	7120.39832 (90031406)	7341.77833 (90010409)	7579.97758 (90010409)
3606417.5	8173.01017 (92092408)	7568.97513 (92092408)	7509.68824 (90012904)	7438.52944 (90012904)	7675.55764 (90010409)
3606267.5	9288.27478 (92092408)	8436.96140 (92092408)	7800.73417 (92092408)	7849.74013 (90012904)	7803.09280 (90012904)
3606117.5	9569.14646 (92092408)	8693.23012 (92092408)	8039.85718 (92092408)	8090.28944 (90012904)	8232.24677 (90012904)
3605967.5	9731.21063 (92092408)	8846.37857 (92092408)	8188.69429 (92092408)	8249.84926 (90012310)	8453.02364 (90012904)
3605817.5	9894.62247 (92092408)	8998.12391 (92092408)	8322.45357 (92092408)	8381.45709 (92030905)	8627.16643 (90012310)
3605667.5	10022.99652 (92092408)	9078.13948 (92092408)	8653.07938 (90012906)	8654.69351 (92020506)	8776.41093 (92030905)
3605517.5	9877.00834 (92092408)	8868.93114 (92092408)	8927.79411 (90012906)	9036.57618 (90012906)	9103.10434 (90012906)
3605367.5	9345.90718 (90121805)	9278.44585 (90121805)	9220.17700 (90121805)	9254.55274 (90012906)	9451.74589 (90012906)
3605217.5	9708.19164 (90020406)	9662.30505 (90121805)	9680.11028 (90121805)	9698.36104 (90121805)	9705.31031 (90121805)
3605067.5	10172.80265 (91031303)	10121.39665 (90020406)	10089.40347 (90020406)	10129.94413 (90121805)	10222.72491 (90121805)
3604917.5	10811.73274 (90121706)	10717.23998 (90121706)	10635.93811 (90121706)	10644.67747 (90020406)	10678.27038 (90020406)
3604767.5	11501.86474 (91011102)	11411.89413 (90121706)	11371.74666 (90121706)	11343.18213 (90121706)	11316.86119 (90121706)
3604617.5	12401.05723 (91011102)	12317.50430 (91011102)	12234.21686 (91011102)	12151.22135 (90121706)	12159.96359 (90121706)

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 3604467.5 |  13396.03800 (91011102)  13372.30276 (91011102)  13327.98932 (91011102)
13278.34231 (91011102)  13231.59551 (91011102)
 3604317.5 |  14898.52444 (91012307)  14742.82719 (91012307)  14644.52230 (91011102)
14622.20791 (91011102)  14577.76932 (91011102)
 3604167.5 |  16674.36168 (91012307)  16750.11047 (91012307)  16743.66619 (91012307)
16634.76669 (91012307)  16452.65458 (91012307)
 3604017.5 |  18818.51180 (90012807)  18893.91681 (90012807)  19112.60215 (90110307)
19265.09187 (91012307)  19325.48003 (91012307)
 3603867.5 |  21666.64890 (90012807)  21768.92506 (90012807)  22068.80169 (90012807)
22560.19974 (90012807)  22930.55789 (90012807)
 3603717.5 |  27503.80322 (91012307)  26485.56167 (90121706)  26217.61930 (90020703)
26355.69899 (90020703)  27295.83556 (90020703)
 3603567.5 |  45512.39398 (91013103)  47704.77850 (90012807)  47195.95359 (91012307)
42492.15582 (90121706)  39776.43937 (92092408)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498174.40	498324.40	498474.40	498624.40	498774.40
3606567.5	7747.92680 (90010409)	7983.54449 (90020605)	8249.52541 (90020605)	8695.79089 (90010911)	9427.73246 (92022604)
3606417.5	7943.88171 (90010409)	8126.52651 (90010409)	8407.50425 (90020605)	8718.00463 (90020605)	9322.96608 (90010911)
3606267.5	8052.33595 (90010409)	8356.14772 (90010409)	8552.99657 (90010409)	8887.67743 (90020605)	9263.43239 (90020605)
3606117.5	8219.42922 (90012904)	8485.23041 (90010409)	8831.14954 (90010409)	9051.70449 (90020605)	9439.60383 (90020605)
3605967.5	8666.54948 (90012904)	8702.16869 (90012904)	8990.17473 (90010409)	9388.24964 (90010409)	9660.30961 (90020605)
3605817.5	8859.60860 (90012904)	9163.50825 (90012904)	9267.72626 (90012904)	9586.99218 (90010409)	10052.87968 (90010409)
3605667.5	9045.78441 (90012310)	9316.87095 (90012904)	9733.75771 (90012904)	9934.23819 (90012904)	10299.32295 (90010409)
3605517.5	9235.70990 (92020506)	9507.00925 (90012310)	9892.15008 (90012310)	10388.33341 (90012904)	10720.67924 (90012904)
3605367.5	9616.08243 (90012906)	9754.14476 (92020506)	10022.18602 (92030905)	10546.64344 (90012310)	11139.21420 (90012904)
3605217.5	9893.51978 (90012906)	10165.43256 (90012906)	10374.08376 (90012906)	10678.83017 (92020506)	11275.36262 (90012310)
3605067.5	10302.69043 (90121805)	10368.20054 (90121805)	10747.03676 (90012906)	11094.57121 (90012906)	11443.91780 (92020506)
3604917.5	10789.63967 (90121805)	10951.60638 (90121805)	11098.34840 (90121805)	11357.98325 (90012906)	11865.63672 (90012906)
3604767.5	11362.12248 (90020406)	11454.95135 (90020406)	11649.45732 (90121805)	11893.73489 (90121805)	12132.56812 (90121805)
3604617.5	12179.92455 (90121706)	12199.61438 (90121706)	12282.02090 (90020406)	12440.60363 (90020406)	12748.29072 (90121805)

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3604467.5 | 13185.04899 (91011102) 13182.16668 (90121706) 13273.36521 (90012904) 13310.49455 (90121706) 13437.94596 (90020406)
3604317.5 | 14544.60040 (91011102) 14529.73076 (91011102) 14519.53184 (91011102) 14655.80878 (90012904) 14599.42620 (90121706)
3604167.5 | 16291.83725 (91011102) 16225.45722 (91011102) 16201.42142 (91011102) 16223.11127 (91011102) 16408.43798 (90012904)
3604017.5 | 19225.39527 (91012307) 19046.91116 (91012307) 18833.90260 (91012307) 18603.20360 (91012307) 18416.77151 (90012310)
3603867.5 | 23117.19089 (90110307) 23073.42634 (91012307) 22904.65471 (91012307) 22672.84849 (91012307) 22453.91076 (91012307)
3603717.5 | 28531.88010 (90012807) 29528.22842 (90012807) 29524.52411 (90012807) 29148.17765 (90012807) 28768.85591 (90110307)
3603567.5 | 39619.61568 (90020605) 38204.14471 (91013103) 41902.65050 (90020703) 43386.64119 (90012807) 43567.70602 (90012807)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498924.40
3606567.5	10521.64063 (91012204)
3606417.5	10325.99162 (92022604)
3606267.5	10100.30699 (90010911)
3606117.5	9938.41043 (90010911)
3605967.5	10083.74501 (90020605)
3605817.5	10386.38076 (90020605)
3605667.5	10856.51924 (90010409)
3605517.5	11155.57167 (90010409)
3605367.5	11648.75678 (90012904)
3605217.5	12000.26953 (90012904)
3605067.5	12087.34300 (90012310)
3604917.5	12305.68579 (90012906)
3604767.5	12686.34542 (90012906)
3604617.5	13114.67905 (90121805)
3604467.5	13680.57949 (90020406)
3604317.5	14719.15100 (90010409)
3604167.5	16258.02844 (90010409)
3604017.5	18723.16556 (90012904)
3603867.5	22272.85924 (91012307)
3603717.5	28318.41749 (90110307)
3603567.5	42765.60309 (90012807)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52
3603584.8	40263.78371 (90012807)	39048.53960 (90012807)	40136.68118 (92092408)	42577.96665 (92092408)	44094.86471 (92092408)
3603434.8	78847.96741 (92092408)	89171.75067 (92092408)	79299.41822 (92092408)	83436.01711 (92092408)	88249.49777 (92092408)
3603284.8	63640.07335 (92092408)	55755.11993 (92092408)	55944.73026 (92092408)	60067.66441 (92092408)	65681.89707 (92092408)
3603134.8	71238.41508 (90021108)	61517.34386 (92070904)	53408.99174 (91110506)	47903.84596 (90110504)	44253.26330 (90110504)
3602984.8	38615.45082 (90122610)	35987.71021 (90120404)	32980.92085 (92122602)	31118.57901 (91030303)	34047.38088 (91030303)
3602834.8	27221.52977 (90010305)	25637.10133 (90032105)	25541.98113 (90021006)	27274.00884 (90021006)	29463.75327 (92100506)
3602684.8	21088.46934 (92100506)	22137.44936 (92100506)	23338.83062 (92122207)	24816.19932 (92122207)	26417.55565 (90020607)
3602534.8	19712.17953 (92122207)	20545.62898 (92122207)	21672.78820 (90020607)	22904.01201 (90110404)	24470.62551 (91031608)
3602384.8	18561.48140 (90020607)	19391.23536 (90110404)	20441.29400 (91031608)	21625.59697 (90012806)	22607.55997 (90012806)
3602234.8	17673.06489 (91031608)	18555.82349 (90012806)	19388.30089 (90012806)	20224.41839 (90011809)	21136.84432 (90011809)
3602084.8	16861.20243 (90012806)	17462.54669 (90011809)	18240.03916 (90011809)	18955.66736 (90022203)	19535.97777 (90022203)
3601934.8	15935.21822 (90011809)	16453.51959 (90022203)	16964.39704 (90022203)	17210.95353 (90092306)	17372.47906 (92012907)
3601784.8	14956.24146 (90022203)	15099.56067 (90022203)	15415.37101 (90092306)	15470.17956 (92012907)	15451.70056 (90091203)
3601634.8	13739.75067 (90092306)	13851.93249 (90092306)	13898.29375 (92012907)	13803.46099 (90091203)	14206.60337 (90110206)

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 3601484.8 |  12634.54390 (92012907)  12603.07364 (92103107)  12478.51237 (92102504)
12833.79114 (90110206)  13022.34602 (92110709)
 3601334.8 |  11570.45465 (92103107)  11434.04391 (92102504)  11709.98912 (90091203)
11894.97021 (92110709)  12219.07254 (92011308)
 3601184.8 |  10553.20751 (92102504)  10795.39717 (90091203)  10883.14859 (92110709)
11055.25333 (92011308)  11442.77981 (91121305)
 3601034.8 |  10007.90019 (90091203)  10038.56945 (90110206)  10112.67473 (92110709)
10426.45037 (92011308)  10566.75348 (91121305)
 3600884.8 |   9366.68976 (90110206)   9452.87423 (92110709)   9649.72278 (92011308)
9877.42606 (91121305)   9899.15796 (90010603)
 3600734.8 |   8839.43781 (92110709)   8897.83325 (92042704)   9105.41891 (91121305)
9193.90665 (91121305)   9328.23383 (90010603)
 3600584.8 |   8258.54340 (92110709)   8525.70678 (92011308)   8690.38744 (91121305)
8671.53300 (90010603)   8796.23549 (91121207)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 499654.52	499804.52	499954.52	500104.52	500254.52
3603584.8	45137.05649 (92092408)	45777.06790 (92092408)	46597.73004 (92092408)	47308.18912 (92092408)	47781.78110 (92092408)
3603434.8	80803.48371 (92092408)	85579.66353 (92092408)	93423.61538 (92092408)	85341.38847 (92092408)	88307.93782 (92092408)
3603284.8	64716.37209 (92092408)	56082.16131 (92092408)	48397.64855 (92092408)	42985.59493 (92092408)	39341.75240 (92092408)
3603134.8	51417.27174 (90020907)	57016.41757 (91031207)	61049.52909 (90091205)	46841.20152 (90010410)	43839.53939 (91031207)
3602984.8	38245.50120 (91030303)	44613.84139 (91030303)	55324.25488 (91030303)	72165.74223 (91030303)	83841.53446 (91030303)
3602834.8	32468.11741 (92100506)	36373.79325 (92122207)	41075.12365 (90020607)	46317.84544 (91031608)	42966.48139 (90011809)
3602684.8	28798.86664 (90020607)	31627.89637 (91031608)	34307.57441 (90012806)	34528.82093 (90022203)	28043.94424 (90110406)
3602534.8	26268.37550 (90012806)	27815.17445 (90011809)	28855.14824 (90022203)	29170.25335 (90110206)	32261.18658 (90100905)
3602384.8	23776.59950 (90011809)	24777.32882 (90022203)	27669.26443 (90020607)	32029.90337 (90020607)	40159.33748 (90012806)
3602234.8	22123.85891 (90022203)	23179.75934 (90022203)	24022.53049 (90022203)	27017.76018 (90010603)	34788.31563 (90012605)
3602084.8	19894.23527 (90092306)	20143.04016 (90091203)	21796.49676 (92011308)	24367.81508 (90110405)	28310.19797 (90012605)
3601934.8	17513.98066 (90091203)	18268.62179 (92110709)	19413.47183 (91121305)	21053.89622 (92092803)	23752.71749 (92122605)
3601784.8	15971.89524 (92110709)	16777.92687 (91121305)	17416.90477 (91121207)	18643.21901 (90110406)	20596.69179 (92122605)
3601634.8	14666.59132 (92011308)	15118.44982 (91121305)	15863.14056 (90110405)	16705.01818 (92112604)	18228.99772 (92122605)

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3601484.8 | 13603.71821 (91121305) 13856.70244 (90010603) 14402.18309 (90120604)
15120.16863 (90120306) 16384.57962 (92122605)
3601334.8 | 12426.63409 (91121305) 12682.25678 (90110405) 13094.19291 (90012504)
13793.42230 (90100905) 14899.26594 (92122605)
3601184.8 | 11542.54372 (90010603) 11882.54205 (90110405) 12142.08922 (90110406)
12794.92758 (90031506) 13680.91620 (92122605)
3601034.8 | 10723.76372 (91121207) 11074.49724 (90120604) 11414.49385 (90110406)
11951.05307 (90031506) 12662.18857 (92122605)
3600884.8 | 10093.12211 (90110405) 10320.22582 (92092803) 10708.53792 (92112604)
11187.57570 (90031506) 11790.59236 (92122605)
3600734.8 | 9564.99216 (90110405)   9693.28807 (90012504) 10094.18438 (90120306)
10501.99978 (90031506) 11036.81097 (92122605)
3600584.8 | 9044.16268 (90120604)   9158.07175 (90110406)   9539.01003 (90120306)
9923.05113 (90012605) 10377.83263 (92122605)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500404.52	500554.52	500704.52	500854.52	501004.52
3603584.8	47928.01050 (92092408)	47617.44644 (92092408)	46877.99507 (92092408)	45916.50271 (92092408)	44714.67505 (92092408)
3603434.8	91017.97932 (92092408)	96138.01022 (92092408)	81188.93639 (92092408)	82638.36577 (92092408)	83576.56070 (92092408)
3603284.8	37097.86262 (92092408)	35844.53776 (92092408)	35671.09638 (91021909)	35525.91350 (91021909)	36516.96109 (92092408)
3603134.8	47850.28428 (91031207)	52853.46190 (91013103)	58551.19749 (91013103)	62070.82378 (92092408)	77381.81798 (92092408)
3602984.8	82576.79913 (90021006)	78403.79941 (92092408)	77135.95557 (90010410)	71569.46437 (90091205)	65411.61292 (90091205)
3602834.8	39521.70572 (90022203)	42393.83209 (90120404)	41787.82666 (90010509)	39806.51557 (92013009)	37922.61194 (92070904)
3602684.8	29771.55858 (90031508)	31842.06670 (90122610)	32000.34652 (90120106)	31714.99600 (90120404)	38488.18207 (92092408)
3602534.8	32299.78588 (92100803)	41964.22588 (92122207)	52810.49643 (92092408)	44074.24272 (92092408)	42095.13679 (90120404)
3602384.8	46421.81754 (92100803)	39355.89111 (90123106)	34160.45285 (92012303)	30277.47356 (90122610)	28192.35095 (90101006)
3602234.8	37284.74784 (90022005)	30035.83482 (91013007)	27745.42539 (90010305)	25968.48435 (92012303)	24364.41590 (90012903)
3602084.8	30946.89806 (91021003)	26699.05860 (92012307)	23543.61491 (90030707)	22545.90212 (90010305)	21654.64089 (91013011)
3601934.8	26020.98443 (90121007)	24113.73597 (92100803)	21218.72944 (92012205)	19698.72615 (92122606)	19200.83847 (90010305)
3601784.8	22251.23941 (90113001)	21709.89137 (90031508)	19729.76161 (92012307)	17906.88057 (91013007)	17069.38292 (92012206)
3601634.8	19429.77806 (90113001)	19595.37511 (90022005)	18266.77950 (90070507)	16828.44420 (90010407)	15662.89070 (92011404)

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 3601484.8 |  17246.53153 (92122107)  17680.09134 (90021008)  16958.22452 (92100803)
15923.08616 (92012307)  14832.43697 (92012205)
 3601334.8 |  15619.21676 (90090803)  16081.84070 (91021003)  15732.69782 (90031508)
14938.77632 (90101004)  14130.39838 (92012307)
 3601184.8 |  14297.59462 (90020606)  14706.70718 (90121007)  14568.21270 (90022005)
14054.80797 (90070507)  13477.16605 (92012307)
 3601034.8 |  13222.56247 (90020606)  13618.13135 (90121007)  13611.42719 (90022005)
13225.95447 (92100803)  12756.05088 (90101004)
 3600884.8 |  12290.36631 (90020606)  12613.06044 (90121007)  12666.79300 (90021008)
12452.72138 (90031508)  12060.01952 (90070507)
 3600734.8 |  11477.25718 (90020606)  11713.48719 (90113001)  11840.85236 (91021003)
11722.63258 (90031508)  11458.27836 (92100803)
 3600584.8 |  10762.65133 (90020606)  10953.07517 (90113001)  11116.14402 (91021003)
11070.43579 (90022005)  10875.45643 (92100803)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501154.52	501304.52	501454.52	501604.52	501754.52
3603584.8	43345.45142 (92092408)	42126.29427 (92092408)	40637.30373 (92092408)	39146.25309 (92092408)	37934.29767 (92092408)
3603434.8	75691.93756 (92092408)	67195.60961 (92092408)	67363.02761 (92092408)	66652.26566 (92092408)	64713.10030 (92092408)
3603284.8	38359.78823 (92092408)	41088.21325 (92092408)	43313.92421 (92092408)	44338.53018 (92092408)	44250.90863 (92092408)
3603134.8	83524.21440 (92092408)	78690.58311 (92092408)	71027.28006 (92092408)	64605.61539 (92092408)	60000.71785 (92092408)
3602984.8	64071.34402 (90110504)	65821.47049 (90110504)	72923.90372 (90091205)	80438.67893 (90010410)	81261.86518 (91021909)
3602834.8	36194.68272 (91110506)	35354.78560 (91110506)	35307.84188 (91110506)	36878.60638 (90010509)	43261.06317 (92012907)
3602684.8	40316.63551 (92092408)	34317.33769 (92092408)	28606.37004 (92092408)	29598.66933 (92012907)	38044.30541 (92102504)
3602534.8	39395.20366 (92122602)	30571.81155 (92013009)	26293.51864 (92070904)	26699.69014 (92102504)	34754.31496 (92011105)
3602384.8	27483.50749 (90120106)	26729.29618 (90120404)	24981.58643 (92122602)	24585.21851 (90091203)	30738.46888 (90110405)
3602234.8	23246.87183 (90122610)	22575.56883 (90120106)	22102.60156 (90120106)	21217.07782 (90120404)	25827.82913 (90012504)
3602084.8	20819.34819 (90032105)	20187.16431 (90122610)	19667.94796 (90101006)	19263.90052 (90120106)	21565.61765 (90110406)
3601934.8	18747.57180 (91013011)	18198.51783 (90012809)	17854.06990 (90032105)	17605.98707 (90122610)	18139.28717 (90120306)
3601784.8	16829.49225 (90010305)	16598.67790 (90123106)	16296.19021 (92012303)	16149.17492 (90032105)	16071.71213 (90122610)
3601634.8	15179.16179 (92012206)	15056.18603 (90010305)	14985.49498 (90123106)	14777.32321 (92012303)	14752.22409 (90032105)

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 3601484.8 |  13982.56178 (90010803)  13714.79899 (92012206)  13678.91015 (90010305)
13689.47028 (90123106)  13585.82088 (91013011)
 3601334.8 |  13346.42498 (92011305)  12749.50720 (90030707)  12552.88266 (92012206)
12561.12507 (90010305)  12589.97811 (90123106)
 3601184.8 |  12812.45321 (90010407)  12199.84858 (92011305)  11757.12476 (92122606)
11589.31188 (92012206)  11615.51777 (90010305)
 3601034.8 |  12246.38219 (92012307)  11745.13362 (92012205)  11272.82001 (91013007)
10922.45671 (92122606)  10782.27651 (90120307)
 3600884.8 |  11730.76362 (92012307)  11281.17502 (90010407)  10866.26402 (92011305)
10482.26140 (92011404)  10203.67352 (92122606)
 3600734.8 |  11151.15957 (90102406)  10797.98864 (92012307)  10466.90924 (92012205)
10115.05359 (91013007)   9806.89469 (92011404)
 3600584.8 |  10614.07196 (90101004)  10392.43415 (92012307)  10069.43927 (90010407)
9768.36650 (92011305)   9474.33495 (91013007)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501904.52
3603584.8	36972.39407 (92092408)
3603434.8	63562.98487 (92092408)
3603284.8	43021.01778 (92092408)
3603134.8	59021.48296 (90012710)
3602984.8	83514.36107 (90012710)
3602834.8	72807.07889 (90020606)
3602684.8	73546.38207 (90020606)
3602534.8	85056.05997 (90110403)
3602384.8	44463.08269 (90110403)
3602234.8	30291.98838 (91012203)
3602084.8	23280.67732 (91012203)
3601934.8	19216.33973 (91012203)
3601784.8	23540.48803 (91030303)
3601634.8	16717.04363 (91012203)
3601484.8	13788.74997 (91012203)
3601334.8	12515.38379 (91013011)
3601184.8	11636.17214 (90123106)
3601034.8	10803.28938 (90010305)
3600884.8	10086.89465 (90120307)
3600734.8	9574.86708 (92122606)
3600584.8	9198.24011 (92011404)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40
3606568.1	10344.76433 (91012204)	11680.21497 (90121806)	14223.94852 (90121005)	15735.81067 (90022508)	15553.76253 (92111309)
3606418.1	10159.64321 (92022604)	11729.23618 (91012204)	14227.50538 (90022003)	18068.47978 (90121005)	19000.71606 (92111309)
3606268.1	9955.46161 (90010911)	11307.31905 (92022604)	13901.72046 (91012204)	20583.34004 (90022003)	26550.97800 (92111309)
3606118.1	9837.01436 (90020605)	10924.56411 (90010911)	13062.67478 (92022604)	18164.67222 (91012204)	34143.25348 (90022508)
3605968.1	10019.73149 (90020605)	10651.15380 (90010911)	12315.73725 (90010911)	16301.08055 (91012204)	30521.04353 (90121005)
3605818.1	10320.37781 (90020605)	10795.25395 (91012204)	11830.14964 (90121806)	14489.37785 (90010911)	23574.28696 (91012204)
3605668.1	10793.46340 (90010409)	11196.56436 (90020605)	12041.33605 (90121806)	13427.33580 (90022003)	18471.14870 (90010911)
3605518.1	11038.85120 (90010409)	11761.92502 (90010409)	12283.19164 (90020605)	13650.76396 (90121806)	16095.55925 (90022003)
3605368.1	11597.17092 (90012904)	12046.84512 (90010409)	12960.65190 (90010409)	13899.35833 (91012204)	15858.01411 (90022003)
3605218.1	11873.34551 (90012904)	12665.88696 (90012904)	13289.41564 (90010409)	14495.80274 (90010409)	16238.61841 (90121806)
3605068.1	11959.79198 (90012310)	12826.56396 (90012904)	13947.94569 (90012904)	14878.49266 (90010409)	16596.88631 (90010409)
3604918.1	12247.60367 (90012906)	12867.97832 (92030905)	14026.13238 (90012310)	15526.41956 (90012904)	17040.86670 (90010409)
3604768.1	12587.71449 (90012906)	13276.79564 (90012906)	14045.99632 (92020506)	15479.79709 (90012310)	17552.45730 (90012904)
3604618.1	13059.64646 (90121805)	13455.56474 (90121805)	14423.55858 (90012906)	15451.16453 (90012906)	17326.21988 (90012310)

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3604468.1 | 13640.69323 (90020406) 14094.29397 (90121805) 14697.43378 (90121805) 15687.89386 (90012906) 17342.89146 (90012906)
3604318.1 | 14717.55243 (90010409) 14837.74814 (90020406) 15216.63591 (90020406) 16024.28555 (90121805) 17244.68050 (90121805)
3604168.1 | 16282.57301 (90012904) 16435.95486 (90010409) 16406.42396 (90121706) 16750.84231 (91012204) 17381.98230 (90121805)
3604018.1 | 18693.37079 (90012904) 18564.68913 (91011102) 18662.76439 (90010409) 18674.75164 (91012204) 19114.97796 (90121806)
3603868.1 | 22279.45952 (91012307) 22085.73902 (91012307) 21779.38979 (91012307) 21904.27338 (91011102) 21892.49524 (91012204)
3603718.1 | 28347.05282 (90110307) 28012.97740 (90110307) 27910.71416 (91012307) 27930.63337 (91012307) 27766.74729 (92092408)
3603568.1 | 42832.24568 (90012807) 41497.47420 (90012807) 43901.99588 (92092408) 46285.57701 (92092408) 47625.71585 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 499653.40	499803.40	499953.40	500103.40	500253.40
3606568.1	13088.78592 (92020809)	11356.82920 (90022306)	9913.72717 (90121403)	9238.68461 (90012710)	8600.18473 (90102106)
3606418.1	14567.58905 (92020809)	12387.48942 (90022306)	10618.43592 (90121403)	9787.44727 (90012710)	8991.66012 (90102106)
3606268.1	16582.36001 (92020809)	13674.00838 (90022306)	11465.81643 (90121403)	10407.48513 (90012710)	9410.68158 (90102106)
3606118.1	19614.23476 (92020809)	15308.28489 (90022306)	12497.74189 (90121403)	11102.41299 (90012710)	9857.90695 (90102106)
3605968.1	24326.39705 (92020809)	17395.37277 (90022306)	13769.19499 (90121403)	11873.16881 (90102106)	10335.41669 (90102106)
3605818.1	31534.68858 (90022306)	20295.16983 (92020809)	15369.24400 (90121403)	12728.65601 (90102106)	10849.69777 (90102106)
3605668.1	30757.80699 (90121005)	24877.89202 (92020809)	17455.17850 (90121403)	13653.62771 (90102106)	11414.75638 (90102106)
3605518.1	28997.29904 (90010911)	33778.81740 (92111309)	20357.22531 (90121403)	14662.47491 (90102106)	12046.90313 (90102106)
3605368.1	20018.88408 (90121005)	31426.28832 (90011110)	24983.60939 (90121403)	15814.57259 (90102106)	12748.39718 (90102106)
3605218.1	19969.35143 (90022003)	27937.31972 (90011110)	32221.51738 (90012710)	17270.81514 (90102106)	13514.22907 (90122502)
3605068.1	19893.30982 (90121806)	28355.92804 (90121005)	33738.29417 (90022306)	19108.10870 (90102106)	14424.01320 (91011803)
3604918.1	20058.92133 (91012204)	29086.39624 (90022003)	39211.03281 (90022306)	21371.77165 (90102106)	15729.15230 (90010510)
3604768.1	20260.57262 (90010409)	27932.88611 (90121806)	49089.57567 (92020809)	24300.14067 (90102106)	17553.86151 (90071406)
3604618.1	20392.73000 (90012904)	25908.66031 (90010409)	46955.03817 (90121005)	29334.16655 (92092408)	20231.93323 (92092408)

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3604468.1 | 19862.79918 (90012310) 25046.55874 (90012904) 42185.63346 (90010911) 35582.93351 (92092408) 22956.52413 (92092408)
3604318.1 | 19686.76539 (90012906) 23716.62499 (90012310) 34979.10219 (90012904) 46022.06742 (90022306) 26633.03380 (92092408)
3604168.1 | 19092.66070 (90121805) 22585.29675 (90012906) 30967.76126 (92020506) 52638.55891 (92100803) 32175.44006 (92092408)
3604018.1 | 19344.26043 (90022003) 20628.75631 (90121805) 26535.37485 (90121805) 49123.24019 (90020606) 39835.89177 (92092408)
3603868.1 | 22217.19352 (90121806) 22892.06077 (90121005) 24367.49094 (92092408) 35549.24424 (90020606) 38220.49126 (92092408)
3603718.1 | 29086.27601 (92092408) 30341.88228 (92092408) 31563.11952 (92092408) 32731.82067 (92092408) 32997.19720 (92092408)
3603568.1 | 48435.66264 (92092408) 48934.67687 (92092408) 49748.12411 (92092408) 50467.43927 (92092408) 50960.12238 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500403.40	500553.40	500703.40	500853.40	501003.40
3606568.1	7907.63484 (90122502)	7450.37614 (90122502)	7066.99736 (90122502)	6736.42698 (90012904)	6873.36529 (90012904)
3606418.1	8217.27717 (90122502)	7697.41306 (90122502)	7289.66447 (90122502)	6943.17632 (90122502)	7060.24352 (90012904)
3606268.1	8540.80770 (90122502)	7958.93967 (90122502)	7529.04322 (90122502)	7171.54163 (90122502)	7092.49465 (90012904)
3606118.1	8880.59181 (90122502)	8236.91850 (90122502)	7787.80061 (90122502)	7534.14596 (90040908)	7432.58554 (90040908)
3605968.1	9239.69899 (90122502)	8533.03005 (90122502)	8069.24616 (90122502)	7933.93020 (90040908)	7825.63106 (90010510)
3605818.1	9620.96345 (90122502)	8849.15014 (90122502)	8521.02060 (90040908)	8366.78223 (90010510)	8244.51109 (90010510)
3605668.1	10025.37213 (90122502)	9249.72880 (90040908)	9005.35643 (90010510)	8872.99960 (90010510)	8609.65917 (90010510)
3605518.1	10449.54972 (90122502)	9807.60474 (90040908)	9621.41785 (90010510)	9339.26985 (90010510)	9116.26568 (90071406)
3605368.1	11039.31248 (91011803)	10568.97374 (90010510)	10229.97395 (90010510)	9911.78394 (90071406)	9613.24518 (90112403)
3605218.1	11845.91946 (90010510)	11393.71752 (90010510)	10919.59774 (90071406)	10517.34830 (90112403)	10150.77509 (90112403)
3605068.1	13040.80263 (90010510)	12270.37240 (90071406)	11665.88176 (90112403)	11114.73059 (92110608)	10652.37770 (92110607)
3604918.1	14231.63703 (90071406)	13189.75320 (90112403)	12344.75421 (92110608)	11712.04368 (92110607)	11035.98212 (92110607)
3604768.1	15389.09619 (90112403)	14006.04549 (92110607)	13061.92273 (92110607)	12156.76487 (90102103)	11651.18888 (92112405)
3604618.1	16504.83221 (92110607)	14896.33277 (92110607)	13621.55629 (90102103)	12796.36607 (91081304)	12560.67591 (91011803)

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 3604468.1 |  18354.78476 (92092408)  16040.70308 (92092408)  14726.24739 (92092408)
13950.92616 (92092408)  13627.20499 (91011803)
 3604318.1 |  21138.63672 (92092408)  18673.13649 (92092408)  17403.74509 (92092408)
16701.31756 (92092408)  16276.02969 (92092408)
 3604168.1 |  25381.48572 (92092408)  22614.05271 (92092408)  21118.48735 (92092408)
20104.36720 (92092408)  19346.04465 (92092408)
 3604018.1 |  30594.96050 (92092408)  26395.06277 (92092408)  23982.30288 (92092408)
22543.70547 (92092408)  21643.37095 (92092408)
 3603868.1 |  28670.18817 (92092408)  26402.66279 (92092408)  25509.45013 (92092408)
25067.80058 (92092408)  24784.31262 (92092408)
 3603718.1 |  32663.74456 (92092408)  32606.55234 (92092408)  32625.30716 (92092408)
32508.33463 (92092408)  32194.62361 (92092408)
 3603568.1 |  51031.64576 (92092408)  50486.29312 (92092408)  49541.74194 (92092408)
48423.82193 (92092408)  47069.84633 (92092408)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501153.40	501303.40	501453.40	501603.40	501753.40
3606568.1	7220.60438 (90031406)	7636.26923 (90010409)	7939.26649 (90010409)	8238.42726 (90020605)	8475.60291 (90010911)
3606418.1	7254.97771 (90012904)	7595.32162 (90031406)	8073.34307 (90010409)	8439.71155 (90010409)	8787.31722 (90020605)
3606268.1	7400.84867 (90012904)	7665.92066 (90012904)	8006.21872 (90031406)	8562.03522 (90010409)	9008.51939 (90010409)
3606118.1	7384.50114 (90012904)	7759.39983 (90012904)	8109.27429 (90012904)	8459.63640 (90031406)	9113.28832 (90010409)
3605968.1	7702.26828 (90010510)	7687.59587 (90012904)	8136.90669 (90012904)	8588.05587 (90012904)	8963.25081 (90031406)
3605818.1	7999.48583 (90102210)	7888.88098 (90071406)	8003.58282 (90012904)	8534.29785 (90012904)	9105.03820 (90012904)
3605668.1	8452.71235 (90071406)	8235.38617 (90112403)	8104.64520 (90112403)	8335.33510 (90012904)	8952.71428 (90012904)
3605518.1	8867.71452 (90112403)	8683.92390 (90112403)	8459.70322 (91011803)	8403.41696 (91013010)	8687.71624 (90012904)
3605368.1	9359.08702 (90112403)	9048.47011 (92110607)	8912.78555 (91013010)	8802.66078 (90012509)	8579.48659 (90012509)
3605218.1	9787.18257 (92110607)	9523.42775 (91011803)	9431.86121 (91013010)	9261.64837 (90012509)	8856.76483 (90012509)
3605068.1	10146.46748 (92110607)	10030.81883 (91013010)	9931.37566 (90012509)	9675.63181 (90012509)	9098.46584 (90012509)
3604918.1	10850.09223 (91011803)	10735.94979 (91013010)	10534.65560 (90012509)	10043.26121 (90012509)	9990.67338 (90040908)
3604768.1	11568.60921 (91011803)	11409.50848 (91013010)	11082.85300 (90012509)	10482.42504 (90040908)	11044.19071 (90040908)
3604618.1	12444.93569 (91013010)	12201.72816 (90012509)	11592.51323 (90012509)	11818.03131 (90040908)	11957.13367 (90040908)

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 3604468.1 |  13401.74481 (91013010)  13131.25185 (92092408)  13093.42588 (92092408)
13111.77380 (92092408)  13160.14062 (92092408)
 3604318.1 |  15989.51703 (92092408)  15781.15073 (92092408)  15625.58789 (92092408)
15511.80216 (92092408)  15427.97633 (92092408)
 3604168.1 |  18765.83391 (92092408)  18320.27728 (92092408)  17977.61385 (92092408)
17713.69530 (92092408)  17509.34709 (92092408)
 3604018.1 |  21047.06800 (92092408)  20628.43776 (92092408)  20317.16693 (92092408)
20072.98176 (92092408)  19874.49352 (92092408)
 3603868.1 |  24544.69578 (92092408)  24313.39347 (92092408)  24083.01511 (92092408)
23851.48534 (92092408)  23613.32198 (92092408)
 3603718.1 |  31731.49526 (92092408)  31228.36148 (92092408)  30737.33834 (92092408)
30196.53037 (92092408)  29582.06063 (92092408)
 3603568.1 |  45526.86991 (92092408)  44111.15459 (92092408)  42328.28890 (92092408)
40687.63834 (92092408)  39432.62569 (92092408)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501903.40
3606568.1	8899.02816 (92022604)
3606418.1	9096.05310 (90010911)
3606268.1	9417.48063 (90020605)
3606118.1	9662.12903 (90010409)
3605968.1	9741.03084 (90010409)
3605818.1	9619.80632 (90012904)
3605668.1	9662.51450 (90012904)
3605518.1	9394.17031 (90012904)
3605368.1	9068.86980 (90012904)
3605218.1	8911.74947 (91011102)
3605068.1	9510.31894 (90040908)
3604918.1	10336.84019 (90040908)
3604768.1	11029.80127 (90101009)
3604618.1	11881.59735 (90010510)
3604468.1	13237.81060 (92092408)
3604318.1	15373.01793 (92092408)
3604168.1	17353.34528 (92092408)
3604018.1	19711.93344 (92092408)
3603868.1	23368.05561 (92092408)
3603718.1	28971.74393 (92092408)
3603568.1	38441.46215 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15
3603585.1	37042.70383 (92092408)	36331.93554 (92092408)	35822.93947 (92092408)	35198.77649 (92092408)	34587.89629 (92092408)
3603435.1	65039.26353 (92092408)	59260.52675 (92092408)	54348.18099 (92092408)	52616.29650 (92092408)	51526.52936 (92092408)
3603285.1	43215.69345 (92092408)	41578.94553 (92092408)	40377.63612 (92092408)	39423.92728 (92092408)	38503.05844 (92092408)
3603135.1	58120.92793 (90121403)	53483.54321 (92092408)	49945.93340 (92092408)	47233.62830 (92092408)	45772.03990 (92092408)
3602985.1	92518.22185 (92092408)	85699.20755 (92092408)	71207.40964 (92092408)	64264.94098 (92092408)	60193.36280 (92092408)
3602835.1	70632.15562 (90031506)	60102.09337 (92013009)	50430.86321 (91110506)	44949.44114 (90110504)	40919.17504 (90091205)
3602685.1	72161.72862 (90012605)	46631.38304 (90120106)	38615.56213 (90010509)	35240.83296 (92013009)	33019.27599 (92070904)
3602535.1	83607.81783 (90012605)	39516.14889 (90123106)	32579.21543 (90120106)	29754.54230 (92122602)	28240.03662 (90010509)
3602385.1	44395.39371 (92122605)	33430.58729 (92012307)	27803.80366 (90010305)	25760.47850 (90122610)	24650.79318 (90120106)
3602235.1	30531.31524 (92122605)	27521.28705 (92100803)	23461.46128 (92011404)	22556.12149 (90010305)	21477.79428 (90012809)
3602085.1	23406.36914 (92122605)	22708.79399 (90022005)	20505.77849 (90010407)	19736.17017 (92122606)	19447.09810 (90010305)
3601935.1	19239.02991 (92122605)	19320.93000 (91021003)	18295.32937 (90102406)	17625.31222 (92011404)	17738.96916 (92012206)
3601785.1	21341.80956 (91030303)	21003.65445 (91030303)	24088.94178 (91030303)	22671.47093 (91030303)	24776.84415 (92092408)
3601635.1	16051.90658 (92122605)	18568.94512 (90121007)	18550.27888 (90122610)	19170.76951 (90101006)	19354.95890 (90120106)

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 3601485.1 |  13552.13196 (91012203)  14898.84124 (90113001)  14935.07655 (90031508)
14881.62500 (90122610)  15357.44835 (90122610)
 3601335.1 |  12526.23852 (91013011)  12567.47746 (92122107)  13037.98846 (90022005)
12852.80705 (90070507)  13048.83104 (90012903)
 3601185.1 |  11629.11824 (90123106)  11571.65609 (91013011)  11509.99052 (90021008)
11502.07739 (92100803)  11656.98256 (90032105)
 3601035.1 |  10798.87303 (90010305)  10799.17391 (90123106)  10747.79237 (90123106)
10688.94016 (91013011)  10708.42701 (92012303)
 3600885.1 |  10090.61934 (92012206)  10095.16892 (90010305)  10078.29974 (90123106)
10069.24014 (90123106)  10032.13197 (91013011)
 3600735.1 |   9597.69507 (92122606)   9479.55726 (90120307)   9480.31836 (90010305)
9449.22118 (90123106)   9475.44466 (90123106)
 3600585.1 |   9234.24253 (92011404)   9040.97297 (92122606)   8944.09660 (90120307)
8940.45011 (91021906)   9111.53792 (90110405)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 502637.15	502787.15	502937.15	503087.15	503237.15
3603585.1	34135.77877 (92092408)	33888.65370 (92092408)	33863.68109 (92092408)	34119.99709 (92092408)	34895.30607 (92092408)
3603435.1	50693.69060 (92092408)	49436.78001 (92092408)	49159.75446 (92092408)	49023.84553 (92092408)	49280.15744 (92092408)
3603285.1	37669.63445 (92092408)	37114.56942 (92092408)	36926.97000 (92092408)	37098.70646 (92092408)	37637.37187 (92092408)
3603135.1	44755.98931 (92092408)	43870.65443 (92092408)	43134.21157 (92092408)	42657.85494 (92092408)	42581.03302 (92092408)
3602985.1	57541.32294 (92092408)	55742.72508 (92092408)	54548.35133 (92092408)	53910.30094 (92092408)	54092.18143 (92092408)
3602835.1	38129.48964 (90010410)	36126.44096 (90010410)	34646.81527 (90010410)	33697.48326 (90010410)	33685.00805 (91012307)
3602685.1	31535.64334 (91110506)	30208.87054 (90110504)	29102.45299 (90110504)	28193.66075 (90110504)	32242.16235 (91031207)
3602535.1	27041.55109 (90021108)	26040.22664 (92070904)	25338.99643 (92070904)	24866.69731 (91110506)	26181.18719 (92103107)
3602385.1	23673.72594 (90120404)	23126.91740 (92122602)	22677.49929 (90010509)	22225.34665 (92013009)	24555.45708 (90110206)
3602235.1	21018.26794 (90101006)	20672.45436 (90120106)	20245.91689 (90120404)	20026.00646 (92122602)	22292.31467 (91121305)
3602085.1	18835.91222 (92012303)	18569.98298 (90122610)	18313.86122 (90101006)	18194.00468 (90031605)	20199.41504 (90110405)
3601935.1	17611.80357 (90010305)	17223.76470 (91013011)	17019.70934 (90032105)	16877.59672 (90122610)	19253.67752 (90012504)
3601785.1	27036.87193 (92092408)	23580.90110 (92092408)	24940.42357 (92092408)	26461.30475 (92092408)	28107.66405 (92092408)
3601635.1	19249.74999 (90031605)	19106.98597 (90120307)	19139.18301 (90102607)	19264.88363 (90120604)	21166.88954 (92112604)

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 3601485.1 |  15485.38158 (90101006)  15512.51496 (90120106)  15689.68489 (92011304)
16428.53450 (90012504)  17966.43285 (90120306)
 3601335.1 |  13408.53743 (90122610)  13484.36870 (90122610)  13946.28217 (90120604)
14963.54902 (90110406)  16022.61400 (90120306)
 3601185.1 |  11871.89052 (90032105)  12173.62565 (90110405)  12896.92036 (92092803)
13860.79165 (90110406)  14476.59916 (90120306)
 3601035.1 |  10871.21068 (90110405)  11516.22084 (90120604)  12083.04911 (90012504)
12877.41967 (92112604)  13368.50502 (90100905)
 3600885.1 |  10382.71477 (90110405)  10897.19817 (90120604)  11331.95359 (90012504)
12032.75825 (92112604)  12414.53903 (90100905)
 3600735.1 |   9902.85872 (90120604)  10306.07282 (92092803)  10797.50918 (90110406)
11287.73633 (90120306)  11565.63399 (90100905)
 3600585.1 |   9496.75772 (90120604)   9783.38431 (90012504)  10270.42354 (90110406)
10603.47331 (90120306)  10846.23566 (90031506)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503387.15	503537.15	503687.15	503837.15	503987.15
3603585.1	37282.80571 (92092408)	62805.95785 (91012203)	49163.39024 (92092408)	42354.35854 (92092408)	39011.74035 (92092408)
3603435.1	50569.61113 (92092408)	54862.44422 (91012203)	63863.92193 (92092408)	59139.83305 (92092408)	57134.49656 (92092408)
3603285.1	38686.42323 (92092408)	55069.56392 (92122605)	39653.70309 (92092408)	38737.99279 (92092408)	38171.59819 (92092408)
3603135.1	43469.35217 (90022003)	50234.39828 (90102106)	40849.77228 (92092408)	39971.66578 (92092408)	39070.06144 (92092408)
3602985.1	56412.00231 (92092408)	78493.92243 (90102106)	67549.63680 (92092408)	55846.78370 (92092408)	49761.80509 (92092408)
3602835.1	46248.64405 (90121706)	86788.06004 (90020606)	55148.14386 (90010410)	43958.24648 (90010410)	38307.75593 (91021909)
3602685.1	49757.69964 (90012807)	84472.35114 (90110403)	51709.35281 (92092408)	41764.76692 (90010410)	37208.46406 (90010410)
3602535.1	39643.54433 (92011308)	95347.96100 (90110403)	54265.94053 (90120106)	60322.00608 (92070904)	64802.79675 (91110506)
3602385.1	34502.66571 (90110405)	53193.06125 (91012203)	39905.59312 (92012307)	33587.93304 (92011304)	31030.25655 (90032105)
3602235.1	29720.06573 (92112604)	37368.72808 (92122605)	31847.05094 (91021003)	25617.08592 (92011404)	23342.05798 (92011304)
3602085.1	25764.97531 (90120306)	29571.99277 (92122605)	27123.85729 (90121007)	21886.46038 (90022005)	19169.93730 (90010803)
3601935.1	22967.41271 (90100905)	24964.38580 (92122605)	23386.82539 (90113001)	20313.29327 (90022005)	17518.34117 (90022005)
3601785.1	24048.36936 (92092408)	23929.97364 (92092408)	20652.72357 (90090803)	18729.06601 (91021003)	16521.36932 (90022005)
3601635.1	22698.95869 (90031506)	20963.40866 (91012203)	18513.89843 (90020606)	17238.78071 (90121007)	15634.19834 (90022005)

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 3601485.1 |  18951.93367 (90031506)  18170.17027 (91012203)  16794.10749 (90020606)
15914.55542 (90121007)  14710.87225 (90022005)
 3601335.1 |  16664.24073 (90012605)  16257.81726 (92122605)  15397.57462 (90020606)
14648.23686 (90121007)  13806.14927 (90021008)
 3601185.1 |  15031.68175 (90012605)  14777.09328 (92122605)  14212.62089 (90020606)
13567.64891 (90113001)  12977.52251 (91021003)
 3601035.1 |  13726.53238 (90012605)  13564.10466 (92122605)  13173.81905 (90020606)
12593.57853 (90113001)  12149.81515 (91021003)
 3600885.1 |  12647.02368 (90012605)  12544.62424 (92122605)  12256.65902 (90020606)
11719.34161 (92122107)  11478.69660 (90121007)
 3600735.1 |  11732.56388 (90012605)  11672.97641 (92122605)  11444.90457 (90020606)
11020.32709 (92122107)  10843.90478 (90121007)
 3600585.1 |  10943.96013 (90012605)  10916.66912 (92122605)  10741.20202 (90110403)
10380.24867 (92122107)  10239.19285 (90121007)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504137.15	504287.15	504437.15	504587.15	504737.15
3603585.1	36975.21067 (92092408)	35579.06971 (92092408)	34605.01372 (92092408)	34108.39976 (92092408)	33518.33961 (92092408)
3603435.1	55503.13409 (92092408)	53961.69530 (92092408)	51637.90180 (92092408)	49011.20201 (92092408)	47930.80856 (92092408)
3603285.1	37822.14167 (92092408)	37178.73096 (92092408)	36173.47235 (92092408)	35285.05508 (92092408)	34127.84412 (92092408)
3603135.1	37681.48667 (92092408)	36018.01879 (92092408)	34277.02454 (92092408)	32535.40329 (92092408)	30728.37413 (92092408)
3602985.1	45756.16610 (92092408)	42807.97862 (92092408)	47382.28420 (92092408)	45031.98173 (92092408)	39761.19666 (92092408)
3602835.1	34635.66327 (91021909)	31953.08082 (91021909)	30006.75138 (91021909)	28742.29912 (91021909)	28485.89501 (91021909)
3602685.1	33950.69911 (90010410)	31489.47499 (92092408)	28715.06799 (90010410)	27033.28712 (90010410)	25838.62248 (91021909)
3602535.1	58401.67142 (90110504)	51942.54734 (90091205)	37031.70347 (90091205)	31072.39347 (90010410)	27883.33378 (90010410)
3602385.1	30181.85184 (90120106)	29542.93346 (92122602)	28809.69139 (92013009)	27397.69221 (91110506)	25997.72887 (91110506)
3602235.1	21991.09178 (91013011)	21537.34773 (90122610)	21354.09959 (90120106)	21137.78296 (92122602)	21116.74481 (92013009)
3602085.1	18086.79900 (92011304)	17444.84907 (91013011)	17173.80867 (90032105)	17113.24125 (90120106)	17268.70958 (90120404)
3601935.1	16191.31737 (90031508)	15094.40896 (90101004)	14637.13644 (90123106)	14536.99130 (90032105)	15064.65113 (90021006)
3601785.1	15067.46217 (90031508)	14039.08620 (90070507)	13254.27370 (90010509)	14703.54103 (92122207)	17382.08255 (92122207)
3601635.1	14238.92078 (90031508)	13230.56133 (90070507)	13557.41846 (90020607)	15838.73333 (90020607)	19534.78311 (91031608)

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3601485.1 | 13541.92055 (90031508) 12684.21428 (90120404) 13556.51120 (90012806) 15566.89460 (90012806) 18977.66312 (90022203)
3601335.1 | 12866.70221 (90031508) 12424.89392 (90031605) 12856.83558 (90022203) 14484.15307 (90092306) 16752.91124 (92012907)
3601185.1 | 12239.82634 (90022005) 11826.80022 (90120106) 12010.57064 (90092306) 13140.48076 (92012907) 13980.26302 (92102504)
3601035.1 | 11633.07018 (90022005) 11127.69308 (90122610) 10987.85841 (90101006) 11453.40756 (92102504) 12330.00057 (90091203)
3600885.1 | 11004.28938 (90022005) 10471.52982 (90031508) 10373.47047 (90122610) 10485.93205 (90091203) 10725.57684 (92110709)
3600735.1 | 10432.64576 (90021008) 9967.09560 (90031508) 9691.35307 (90032105) 9705.04113 (90122610) 9624.60366 (90101006)
3600585.1 | 9902.33446 (91021003) 9526.86191 (90022005) 9088.64260 (90012809) 9114.53518 (90032105) 9111.42162 (90122610)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504887.15
3603585.1	34311.65353 (92092408)
3603435.1	46934.95864 (92092408)
3603285.1	31517.65474 (92092408)
3603135.1	28836.66300 (92092408)
3602985.1	32920.24361 (92092408)
3602835.1	31128.85128 (91021909)
3602685.1	25231.91970 (91021909)
3602535.1	26009.74537 (90010410)
3602385.1	24746.47855 (90110504)
3602235.1	21119.53621 (92070904)
3602085.1	17703.80193 (90021108)
3601935.1	17417.53316 (90021006)
3601785.1	21468.30693 (92122207)
3601635.1	26080.67865 (90012806)
3601485.1	22986.61533 (90092306)
3601335.1	17999.50104 (92102504)
3601185.1	14854.87641 (90110206)
3601035.1	12441.71413 (92110709)
3600885.1	11037.32164 (92011308)
3600735.1	9980.71152 (91121305)
3600585.1	9072.38666 (90122610)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74
3606565.9	8853.70108 (92022604)	9343.78512 (91012204)	9590.15065 (90121806)	10001.72803 (90121806)	9955.49650 (90022003)
3606415.9	9030.39277 (90010911)	9522.74131 (92022604)	10090.93200 (91012204)	10453.22501 (90121806)	10720.72860 (90121806)
3606265.9	9375.17214 (90020605)	9741.95709 (90010911)	10301.11097 (92102408)	10937.33793 (91012204)	11419.75623 (90121806)
3606115.9	9614.20474 (90010409)	10100.48691 (90020605)	10574.94679 (90010911)	11272.17043 (91012204)	11901.63866 (91012204)
3605965.9	9644.81046 (90010409)	10361.00565 (90010409)	10955.56082 (90020605)	11564.00530 (90010911)	12457.74896 (91012204)
3605815.9	9569.90944 (90012904)	10344.92507 (90010409)	11241.03479 (90010409)	11981.31341 (90020605)	12757.18038 (90010911)
3605665.9	9573.91384 (90012904)	10292.90759 (90012904)	11158.01377 (90010409)	12296.24749 (90010409)	13227.93048 (90020605)
3605515.9	9297.40664 (90012904)	10149.00292 (90012904)	11101.45101 (90012904)	12115.93221 (90010409)	13587.39041 (90010409)
3605365.9	8986.12086 (90012904)	9751.56370 (90012904)	10765.86406 (90012904)	12006.48260 (90012904)	13254.76210 (90010409)
3605215.9	8840.16083 (91011102)	9482.46998 (90121706)	10244.36016 (90012904)	11428.25217 (90012904)	12999.24435 (90012904)
3605065.9	9472.95613 (90040908)	9767.28583 (91012307)	10380.64346 (91011102)	11398.82582 (91011102)	12479.59361 (90121706)
3604915.9	10334.19588 (90040908)	10281.47167 (90101009)	10988.77463 (90012807)	11899.98768 (90110307)	13097.24648 (91012307)
3604765.9	11055.38027 (90040908)	11019.25455 (90010510)	11437.12735 (91031207)	12399.87356 (91031207)	13770.83844 (91013103)
3604615.9	11911.76641 (90010510)	11643.89821 (90102210)	11846.52637 (91011103)	13023.41174 (90020907)	14555.05121 (90020907)

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3604465.9 | 13258.46864 (92092408) 13361.33259 (92092408) 13498.44092 (92092408) 13682.58508 (92092408) 15031.23560 (91030303)
3604315.9 | 15406.96190 (92092408) 15381.51418 (92092408) 15398.60348 (92092408) 15473.38356 (92092408) 15628.99346 (92092408)
3604165.9 | 17397.94589 (92092408) 17287.15482 (92092408) 17232.97429 (92092408) 17248.94996 (92092408) 17356.38415 (92092408)
3604015.9 | 19770.09997 (92092408) 19643.34738 (92092408) 19566.04242 (92092408) 19557.27208 (92092408) 19642.72713 (92092408)
3603865.9 | 23461.94691 (92092408) 23228.61468 (92092408) 23051.07732 (92092408) 22969.08813 (92092408) 23008.14859 (92092408)
3603715.9 | 29138.48075 (92092408) 28619.80227 (92092408) 28282.23815 (92092408) 28114.34589 (92092408) 28040.31588 (92092408)
3603565.9 | 38747.46149 (92092408) 37997.99089 (92092408) 37367.99230 (92092408) 36560.36064 (92092408) 35825.95954 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 502635.74	502785.74	502935.74	503085.74	503235.74
3606565.9	10696.68123 (90022003)	10833.96433 (90121005)	12118.18309 (90011110)	13824.73437 (92111309)	17157.75980 (90022306)
3606415.9	11170.87879 (90022003)	11754.76590 (90121005)	12582.37312 (90011110)	15181.05528 (92111309)	19036.97979 (90022306)
3606265.9	11480.73831 (90121806)	12516.12120 (90022003)	12939.96623 (90022508)	16627.52528 (92111309)	18084.46148 (90022306)
3606115.9	12505.96976 (90121806)	13120.11515 (90022003)	14248.53740 (90121005)	17842.41290 (90011110)	17064.00049 (92020809)
3605965.9	13161.92169 (90121806)	13758.97227 (90121806)	15339.54926 (90121005)	18782.46292 (90011110)	18418.78849 (92020809)
3605815.9	13881.78613 (91012204)	14826.91463 (90121806)	15985.80243 (90022003)	19504.56130 (90121005)	19529.42144 (92020809)
3605665.9	14241.42560 (92022604)	15611.29822 (91012204)	16911.64304 (90121806)	20627.36858 (90121005)	21924.36636 (92111309)
3605515.9	14772.02015 (90020605)	16152.42998 (92102408)	17831.35847 (90121806)	20520.01025 (90022003)	25510.80509 (92111309)
3605365.9	15177.94743 (90010409)	16801.91147 (90020605)	18841.95603 (91012204)	21343.07247 (90121806)	27704.65338 (90121005)
3605215.9	14798.75139 (90012904)	17257.72408 (90010409)	19595.06337 (90020605)	22555.38382 (91012204)	27564.50875 (90022003)
3605065.9	14125.84813 (90012904)	16720.94035 (90012904)	20130.06624 (90010409)	23705.05875 (90020605)	28000.17652 (90121806)
3604915.9	14419.86608 (91011102)	16462.81959 (90121706)	19151.34907 (90012904)	24349.42415 (90010409)	30641.72634 (92022604)
3604765.9	15429.18141 (90020703)	17776.71852 (90012807)	20826.47444 (90110307)	25059.71994 (91011102)	32061.73965 (90121805)
3604615.9	16550.69014 (90020907)	19257.60102 (90020907)	23161.90805 (90020907)	29316.28112 (90020907)	40380.17356 (90020907)

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3604465.9 | 17009.31361 (91030303) 19662.14450 (90021006) 23835.80604 (90021006) 30384.91404 (92100506) 41751.79429 (92122207)
3604315.9 | 17193.79852 (92122207) 19808.93397 (92122207) 23481.38361 (90020607) 28786.53724 (91031608) 37976.71625 (90022203)
3604165.9 | 17590.08520 (92092408) 19191.53239 (91031608) 22243.67717 (90012806) 26997.46787 (90022203) 35135.85226 (92103107)
3604015.9 | 19856.30168 (92092408) 20246.41193 (92092408) 21328.23835 (90092306) 25590.37754 (92103107) 32544.54035 (92110709)
3603865.9 | 23180.27119 (92092408) 23502.02071 (92092408) 24022.33010 (92092408) 24857.86738 (92092408) 29627.92806 (91121305)
3603715.9 | 28031.18257 (92092408) 28123.56038 (92092408) 28385.35596 (92092408) 28927.57021 (92092408) 30019.67758 (92092408)
3603565.9 | 35301.94724 (92092408) 35006.10044 (92092408) 34936.96500 (92092408) 35144.06129 (92092408) 35857.78798 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503385.74	503535.74	503685.74	503835.74	503985.74
3606565.9	12635.85149 (90022306)	11635.29144 (90121403)	11881.51093 (90102106)	11535.29547 (90122502)	11134.87513 (92122401)
3606415.9	13087.40984 (90022306)	12440.08345 (90121403)	12760.83893 (90102106)	12426.97205 (90122502)	11919.36655 (92122401)
3606265.9	13967.41655 (90022306)	13396.69814 (90121403)	13779.34768 (90102106)	13418.35209 (90122502)	12759.36216 (91011312)
3606115.9	15122.65387 (90022306)	14548.51829 (90121403)	14974.41357 (90102106)	14517.39735 (90122502)	13682.50180 (91011312)
3605965.9	16556.68376 (90022306)	15949.80809 (90121403)	16383.87974 (90102106)	15714.10644 (90122502)	14555.88307 (90122810)
3605815.9	18271.34948 (90022306)	17654.31130 (90121403)	18061.78223 (90102106)	17228.94939 (92122401)	16109.16752 (92112405)
3605665.9	20333.77775 (90022306)	19791.16159 (90121403)	20110.56504 (90102106)	19164.20506 (92122401)	17772.81571 (92112405)
3605515.9	22835.98605 (90022306)	22551.44423 (90121403)	22870.98645 (91102808)	21411.98535 (91011312)	19679.65748 (91011803)
3605365.9	26315.19445 (92020809)	26247.78972 (90121403)	26744.45625 (90122502)	24200.96376 (92112405)	21885.48145 (91013010)
3605215.9	31012.46809 (92020809)	31441.42483 (90121403)	32057.15523 (90122502)	28442.19779 (92112405)	23987.59511 (90012509)
3605065.9	36480.44638 (92111309)	39319.20415 (90121403)	39190.99293 (90122502)	33972.00332 (91013010)	28732.68144 (90040908)
3604915.9	37526.09944 (90121005)	52841.34029 (90121403)	51000.75941 (91011312)	39932.98917 (90012509)	36190.33774 (90112403)
3604765.9	46212.26742 (91012204)	74688.10411 (90121403)	73420.03923 (91011803)	58660.49686 (90112403)	44417.96660 (91012511)
3604615.9	66058.64043 (91031207)	104580.51212 (90012710)	142352.41215 (92092408)	120194.37462 (92092408)	78616.29124 (92092408)

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3604465.9 | 66651.96023 (90012806) 124638.68341 (90012710) 74149.58586 (92092408) 52294.48259 (92092408) 47162.63769 (92092408)
3604315.9 | 58128.95162 (90091203) 99857.39374 (90012605) 66936.12608 (92092408) 45863.54433 (92092408) 36905.63328 (92092408)
3604165.9 | 54160.07445 (92011308) 114759.45155 (92122605) 42167.27911 (92092408) 33389.62409 (92092408) 29305.14605 (92092408)
3604015.9 | 47295.71555 (90010603) 76113.70145 (92122605) 39851.17855 (92012307) 32636.90402 (92092408) 29194.64001 (92092408)
3603865.9 | 39434.46774 (90110405) 69055.73347 (92122605) 41542.14745 (92092408) 34637.42373 (92092408) 31292.53860 (92092408)
3603715.9 | 34133.37089 (92092803) 56980.60522 (92122605) 44719.14171 (92092408) 37817.72543 (92092408) 34450.62575 (92092408)
3603565.9 | 38151.70560 (92092408) 57213.37915 (92122605) 50225.25255 (92092408) 43365.85530 (92092408) 40056.26804 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504135.74	504285.74	504435.74	504585.74	504735.74
3606565.9	10506.19605 (91011312)	10320.59657 (92112405)	9861.88071 (91011803)	9343.46196 (91013010)	8707.26056 (90012509)
3606415.9	11227.21512 (90122810)	10812.87566 (91011803)	10304.09922 (91013010)	9687.82104 (90012509)	8773.21147 (90012509)
3606265.9	12142.05605 (92112405)	11584.91779 (91011803)	10860.63702 (91013010)	9948.98302 (90012509)	9305.12735 (90040908)
3606115.9	13049.22024 (92112405)	12158.20544 (91011803)	11325.81195 (90012509)	9963.39753 (90012509)	10234.86401 (90040908)
3605965.9	13971.59324 (91011803)	13004.59351 (91013010)	11607.73394 (90012509)	11210.57266 (90040908)	11190.07512 (90010510)
3605815.9	15041.60803 (91011803)	13650.01837 (90012509)	12249.77122 (90040908)	12406.36776 (90010510)	12348.23704 (90102210)
3605665.9	16248.81702 (91013010)	13933.74369 (90012509)	13878.40826 (90040908)	13782.92001 (90102210)	13484.29916 (90112403)
3605515.9	17306.92747 (90012509)	15949.46132 (90040908)	15585.00084 (90102210)	15258.02850 (90112403)	14847.38691 (92110608)
3605365.9	18406.74705 (90040908)	18180.64404 (90010510)	17640.13402 (90112403)	16894.29496 (92110608)	15690.63725 (92110607)
3605215.9	22216.07584 (90010510)	21077.37810 (90071406)	19795.96472 (92110607)	18280.73909 (91081304)	17294.22753 (90071308)
3605065.9	26480.83903 (90112403)	23945.87073 (92110607)	21733.39547 (91081304)	20498.93054 (91012511)	19229.68125 (91021410)
3604915.9	30524.45649 (91081304)	27278.03205 (91012511)	24750.83285 (91021410)	22483.54155 (90120610)	21034.18000 (92092408)
3604765.9	36138.94750 (91021410)	35395.26772 (92092408)	34095.65132 (92092408)	32603.94983 (92092408)	31138.46169 (92092408)
3604615.9	65562.70084 (92092408)	58857.60843 (92092408)	55883.28619 (92092408)	52445.21350 (92092408)	48154.44624 (92092408)

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3604465.9 | 39550.15875 (92092408) 34679.59889 (92092408) 31302.34685 (92092408) 28820.24315 (92092408) 26903.93217 (92092408)
3604315.9 | 34611.79655 (92092408) 30425.74348 (92092408) 26923.39539 (92092408) 24637.10615 (92092408) 22949.27816 (92092408)
3604165.9 | 27382.48042 (92092408) 25789.53335 (92092408) 27475.75453 (92092408) 24694.88425 (92092408) 22944.41099 (92092408)
3604015.9 | 27238.67048 (92092408) 26238.54536 (92092408) 25218.10836 (92092408) 27678.12919 (92092408) 24791.05898 (92092408)
3603865.9 | 29233.86586 (92092408) 27858.61105 (92092408) 27101.00413 (92092408) 26236.29904 (92092408) 28015.95778 (92092408)
3603715.9 | 32288.94412 (92092408) 30751.24933 (92092408) 29701.51767 (92092408) 29384.23138 (92092408) 28402.22766 (92092408)
3603565.9 | 38088.60514 (92092408) 36733.33645 (92092408) 35766.69437 (92092408) 35223.17599 (92092408) 34465.85094 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504885.74
3606565.9	7945.65419 (90040908)
3606415.9	8728.99230 (90040908)
3606265.9	9448.28458 (90010510)
3606115.9	10162.55082 (90010510)
3605965.9	11189.43770 (90102210)
3605815.9	12102.25685 (90112403)
3605665.9	13242.73943 (92110608)
3605515.9	14090.67432 (92110607)
3605365.9	15190.21956 (91081304)
3605215.9	16729.64577 (91012511)
3605065.9	18020.24315 (91021410)
3604915.9	21162.35666 (92092408)
3604765.9	29717.86267 (92092408)
3604615.9	46032.41648 (92092408)
3604465.9	25303.03465 (92092408)
3604315.9	21573.33841 (92092408)
3604165.9	21622.57294 (92092408)
3604015.9	23107.26912 (92092408)
3603865.9	25473.15439 (92092408)
3603715.9	29111.23737 (92092408)
3603565.9	35367.45247 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59
3603584.0	34975.72886 (92092408)	32108.41222 (92092408)	30243.12898 (92092408)	28364.21153 (92092408)	26442.36635 (92092408)
3603434.0	48381.45982 (92092408)	39986.60138 (92092408)	33403.00839 (92092408)	29075.03964 (92092408)	26020.36215 (92092408)
3603284.0	31283.54606 (92092408)	32296.10348 (92092408)	28794.07263 (92092408)	25580.96657 (92092408)	23289.36740 (92092408)
3603134.0	29136.80552 (92092408)	27910.04375 (92092408)	29272.28606 (92092408)	24705.14413 (92092408)	22071.70007 (92092408)
3602984.0	33877.22194 (92092408)	29256.91150 (92092408)	25747.95864 (92092408)	24685.63299 (92092408)	21798.86359 (90101005)
3602834.0	29074.37399 (91021909)	35715.31194 (91021909)	29316.81025 (91021909)	27460.70624 (91021909)	24343.42322 (91021909)
3602684.0	25260.90465 (91021909)	32193.40806 (90012904)	35904.71476 (90121806)	29573.26961 (91021909)	25906.82168 (91021909)
3602534.0	26233.65341 (90010410)	25298.08573 (90010410)	43528.91622 (90012310)	39753.86594 (90010410)	29765.29255 (90010410)
3602384.0	24889.47727 (90110504)	24030.33110 (90110504)	27187.45244 (90121706)	41816.53066 (90010409)	38148.59849 (90100408)
3602234.0	21091.22267 (92070904)	21024.00266 (92070904)	23217.95995 (90020703)	32782.70223 (90012807)	45738.56422 (91012204)
3602084.0	17581.92618 (90021108)	18836.55549 (91011103)	23184.79402 (91011103)	30570.59596 (91030303)	45830.50568 (91030303)
3601934.0	17005.09088 (90021006)	20424.01329 (92100506)	26228.39275 (92122207)	36592.99989 (90020607)	65545.06363 (91031608)
3601784.0	20723.87157 (92122207)	27517.80119 (92122207)	44607.39384 (90020607)	70955.60085 (90022203)	49044.64711 (92092408)
3601634.0	24776.57795 (90012806)	36108.39246 (90022203)	43606.88436 (92103107)	33754.55872 (92110709)	27895.22606 (91121305)

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 3601484.0 |  22360.07437 (90092306)  25388.07835 (92103107)  24343.12030 (92110709)
22024.36076 (91121305)  20749.09751 (91121207)
 3601334.0 |  17880.71456 (92103107)  18656.15213 (90110206)  18014.37751 (92011308)
17082.79630 (90010603)  17314.13549 (90110405)
 3601184.0 |  14887.35738 (90091203)  14834.21291 (92011308)  14720.12381 (91121305)
14355.53242 (91121207)  15127.00361 (90120604)
 3601034.0 |  12477.75120 (92110709)  12772.71013 (91121305)  12594.43546 (90010603)
12712.10432 (90110405)  13319.17595 (90110406)
 3600884.0 |  11001.60038 (92011308)  11121.23421 (91121305)  11114.75286 (91121207)
11414.75592 (90120604)  11962.91334 (90110406)
 3600734.0 |   9952.51892 (91121305)   9963.91472 (90010603)  10152.94995 (90110405)
10252.51969 (90012504)  10735.16309 (90120306)
 3600584.0 |   9085.32592 (90122610)   9022.95930 (91121207)   9271.76890 (90120604)
9436.81809 (90110406)   9706.67169 (90100905)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 505613.59	505763.59	505913.59	506063.59	506213.59
3603584.0	24621.70379 (92092408)	22963.73936 (92092408)	21471.27697 (92092408)	20125.22526 (92092408)	18902.05301 (92092408)
3603434.0	23695.54460 (92092408)	21813.21910 (92092408)	20215.49606 (92092408)	18813.32842 (92092408)	17554.94553 (92092408)
3603284.0	21423.85500 (92092408)	19809.24432 (92092408)	18366.01421 (92092408)	17053.78670 (92092408)	15851.92857 (92092408)
3603134.0	20045.03393 (92092408)	18557.76475 (90101005)	17694.19273 (90101005)	16896.13623 (90101005)	16154.75808 (90101005)
3602984.0	20316.33082 (91022509)	19171.41331 (91022509)	18183.70571 (91022509)	17298.02051 (91022509)	16489.03092 (91022509)
3602834.0	22263.87471 (91021909)	20676.61023 (91021909)	19373.93457 (91021909)	18253.20960 (91021909)	17263.15920 (91021909)
3602684.0	23667.19900 (91021909)	21980.31445 (91021909)	20566.00935 (91021909)	19315.06547 (91021909)	18196.87654 (90010510)
3602534.0	25940.98232 (90010410)	23594.89509 (90010410)	22466.36778 (91011803)	23502.71518 (90040908)	23128.52380 (90112403)
3602384.0	29964.34351 (90091205)	27673.81554 (90122502)	31324.67487 (90012509)	34902.61039 (90071406)	30915.47051 (91081304)
3602234.0	38521.95158 (90022306)	42281.37735 (90122502)	66248.07516 (90071406)	65378.78914 (91012511)	46667.14079 (92092408)
3602084.0	55371.86863 (90011110)	76703.01026 (90011809)	85280.98971 (92092408)	55389.98042 (91110506)	42534.36935 (90110504)
3601934.0	80816.55131 (92092408)	62505.55560 (92092408)	42036.41791 (90010509)	35900.03815 (92013009)	32200.54372 (92070904)
3601784.0	39821.00676 (90010603)	51599.74770 (92122606)	35481.78491 (90123106)	28039.37654 (90032105)	25937.36568 (90021108)
3601634.0	29374.94569 (90120604)	44069.38358 (92011305)	32231.56782 (92012206)	26045.33635 (90102607)	22182.84671 (91013011)

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 3601484.0 |  25162.58855 (90120604)  38181.48579 (92012307)  28423.99404 (92122606)
24148.92029 (90120307)  21004.72670 (90102607)
 3601334.0 |  21733.46587 (90110406)  30703.77306 (90031508)  24915.39987 (92011404)
21943.27985 (90010908)  19789.40432 (92011304)
 3601184.0 |  17890.33470 (90120306)  20770.72002 (91021003)  21214.24154 (92011305)
19885.57994 (90030707)  18402.91548 (92012206)
 3601034.0 |  14874.34831 (90031506)  16282.61240 (90121007)  17351.99934 (92012307)
17576.46953 (92011404)  16933.76371 (92122606)
 3600884.0 |  12745.35264 (90012605)  13655.09501 (90121007)  14513.53933 (90101004)
15239.94896 (91013007)  15257.05305 (90010803)
 3600734.0 |  11255.29879 (92122605)  11878.67311 (90121007)  12526.80907 (92100803)
13288.10935 (92012205)  13725.39935 (92011404)
 3600584.0 |  10105.68266 (92122605)  10574.02169 (90121007)  11070.41397 (90031508)
11698.45051 (92012307)  12271.48219 (91013007)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506363.59	506513.59	506663.59	506813.59	506963.59
3603584.0	17780.66913 (92092408)	16744.04532 (92092408)	15781.61979 (92092408)	14884.90136 (92092408)	14048.22179 (92092408)
3603434.0	16409.62622 (92092408)	15358.60809 (92092408)	14390.55703 (92092408)	13497.42935 (92092408)	12674.33454 (92092408)
3603284.0	15083.02310 (92010408)	14455.35953 (92010408)	13877.89894 (92010408)	13344.95000 (92010408)	12851.25227 (92010408)
3603134.0	15465.08994 (90101005)	14824.32041 (90101005)	14227.80177 (90101005)	13673.18699 (90101005)	13157.60515 (90101005)
3602984.0	15745.06138 (91022509)	15059.59592 (91022509)	14425.64648 (91022509)	13839.33986 (91022509)	13296.57128 (91022509)
3602834.0	16378.04096 (91021909)	15581.77026 (91021909)	14859.82390 (91021909)	14202.52791 (91022509)	13638.54541 (91022509)
3602684.0	17206.04718 (91021909)	16332.10375 (91021909)	15556.32550 (91021909)	14860.52679 (91021909)	14231.85602 (91021909)
3602534.0	19969.25418 (90022509)	17130.79162 (90071308)	15546.93844 (91021909)	14876.68017 (91021909)	14288.33514 (91021909)
3602384.0	24095.24595 (91012511)	18974.34749 (92092408)	18761.12301 (92092408)	17763.30174 (92092408)	16464.75788 (92092408)
3602234.0	35933.79429 (92092408)	28518.56457 (92092408)	23382.78570 (92092408)	19642.84478 (92092408)	16800.93235 (92092408)
3602084.0	32482.24355 (90110504)	26752.76224 (90100408)	23198.34569 (90091205)	20785.93303 (90091205)	19008.82711 (90091205)
3601934.0	29657.51593 (92070904)	27014.18095 (91110506)	24628.42091 (91110506)	22400.58568 (90110504)	20609.14289 (90110504)
3601784.0	24545.95477 (92013009)	23362.18704 (92013009)	22276.45987 (92070904)	21077.73362 (92070904)	19718.73289 (92070904)
3601634.0	21020.22273 (90021108)	20253.00316 (90021108)	19630.08260 (92013009)	19008.08344 (92013009)	18261.41107 (92070904)

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 3601484.0 |  18667.27778 (91013011)  17832.69695 (90010509)  17386.30464 (90010509)
17017.16300 (90010509)  16651.52297 (90021108)
 3601334.0 |  17797.18542 (90102607)  16194.30698 (91013011)  15376.93074 (92122602)
15148.22082 (92122602)  14973.99261 (90010509)
 3601184.0 |  16942.34057 (91021906)  15558.88736 (90123106)  14357.86904 (91013011)
13486.25982 (90120404)  13397.43759 (92122602)
 3601034.0 |  15906.20532 (92012206)  14922.91898 (91021906)  13887.44815 (90123106)
12932.97435 (91013011)  12164.86189 (90032105)
 3600884.0 |  14831.00884 (90010908)  14128.61472 (90120307)  13352.85885 (90010305)
12548.68063 (90123106)  11763.67535 (91013011)
 3600734.0 |  13667.18420 (90030707)  13276.70465 (92012206)  12710.17287 (90120307)
12095.70179 (90010305)  11441.74393 (90123106)
 3600584.0 |  12448.05202 (90010803)  12374.12409 (92122606)  12036.63637 (92012206)
11564.40956 (92011304)  11044.15491 (90010305)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507113.59	507263.59	507413.59	507563.59	507713.59
3603584.0	13266.90380 (92092408)	12537.21625 (92092408)	11855.99365 (92092408)	11220.46158 (92092408)	10628.21450 (92092408)
3603434.0	11920.09128 (92010408)	11534.02989 (92010408)	11173.52325 (92010408)	10835.66098 (92010408)	10517.99832 (92010408)
3603284.0	12392.38500 (92010408)	11964.54694 (92010408)	11564.45037 (92010408)	11192.14120 (90101005)	10845.91109 (90101005)
3603134.0	12677.45331 (90101005)	12229.51649 (90101005)	11810.79077 (90101005)	11418.55886 (90101005)	11050.44948 (90101005)
3602984.0	12792.74045 (91022509)	12323.80051 (91022509)	11886.38749 (91022509)	11477.45626 (91022509)	11094.38478 (91022509)
3602834.0	13120.59860 (91022509)	12642.38354 (91022509)	12199.14989 (91022509)	11787.02905 (91022509)	11402.69935 (91022509)
3602684.0	13659.75695 (91021909)	13135.57270 (91021909)	12652.18285 (91021909)	12203.95909 (91021909)	11786.22704 (91021909)
3602534.0	13763.26839 (91021909)	13287.19266 (91021909)	12849.14137 (91021909)	12441.35220 (91021909)	12058.81234 (91021909)
3602384.0	15108.41613 (92092408)	13799.31188 (92092408)	13131.86484 (90010410)	12613.15890 (90010410)	12146.41525 (91021909)
3602234.0	15702.57262 (90010410)	14973.88355 (90010410)	14316.64159 (90010410)	13715.33288 (90010410)	13162.38595 (90010410)
3602084.0	17627.22166 (90091205)	16505.06984 (90091205)	15558.41955 (90091205)	14756.47592 (90010410)	14084.15695 (90010410)
3601934.0	19058.74656 (90110504)	17719.64845 (90110504)	16566.74349 (90100408)	15633.63973 (90100408)	14806.82719 (90100408)
3601784.0	18798.22281 (91110506)	17844.19541 (91110506)	16898.21226 (91110506)	15989.95063 (91110506)	15230.01304 (90110504)
3601634.0	17676.50638 (92070904)	16968.38432 (92070904)	16172.83576 (92070904)	15338.35466 (91110506)	14846.16605 (91110506)

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 3601484.0 |  16245.61450 (92013009)  15757.76282 (92013009)  15176.09850 (92070904)
14795.39360 (92070904)  14340.33977 (92070904)
 3601334.0 |  14781.26148 (90010509)  14518.08584 (90010509)  14220.87393 (90021108)
13895.21056 (92013009)  13503.39404 (92013009)
 3601184.0 |  13322.88011 (92122602)  13182.81387 (92122602)  13060.00092 (90010509)
12898.49162 (90010509)  12670.34514 (90021108)
 3601034.0 |  12011.11453 (90120106)  11946.58524 (90120404)  11909.76348 (92122602)
11824.87371 (92122602)  11693.06987 (90010509)
 3600884.0 |  11132.80668 (90032105)  10922.17919 (90120106)  10853.00823 (90031605)
10805.79892 (90120404)  10790.62268 (92122602)
 3600734.0 |  10792.18800 (91013011)  10256.37956 (90032105)  10019.33388 (90122610)
9974.89691 (90120106)   9919.24806 (90120404)
 3600584.0 |  10512.32295 (90123106)   9970.10703 (91013011)   9497.11756 (90032105)
9298.01711 (90122610)   9185.45087 (90120106)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507863.59
3603584.0	10077.25466 (92092408)
3603434.0	10218.46631 (92010408)
3603284.0	10520.31173 (90101005)
3603134.0	10704.41085 (90101005)
3602984.0	10734.89888 (91022509)
3602834.0	11043.29419 (91022509)
3602684.0	11395.13219 (91021909)
3602534.0	11697.74209 (91021909)
3602384.0	11805.60230 (91021909)
3602234.0	12650.20296 (90010410)
3602084.0	13485.82880 (90010410)
3601934.0	14066.69681 (90100408)
3601784.0	14529.02553 (90110504)
3601634.0	14330.05642 (91110506)
3601484.0	13828.19640 (92070904)
3601334.0	13033.00343 (92013009)
3601184.0	12415.74916 (90021108)
3601034.0	11603.28265 (90010509)
3600884.0	10735.24872 (92122602)
3600734.0	9869.88337 (90120404)
3600584.0	9172.73029 (90120106)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98
3606564.5	7943.91658 (90012509)	8171.98328 (90040908)	8239.00378 (90010510)	8188.08547 (90102210)	8268.01281 (90071406)
3606414.5	8706.59998 (90040908)	8805.77912 (90010510)	8696.25546 (90102210)	8829.75451 (90071406)	8685.90562 (90112403)
3606264.5	9420.32770 (90010510)	9359.37047 (90010510)	9478.53012 (90071406)	9318.90184 (90112403)	9359.85885 (90112403)
3606114.5	10221.09804 (90010510)	10264.62742 (90102210)	10065.43687 (90112403)	10091.00597 (90112403)	9881.03658 (92110607)
3605964.5	11208.88200 (90102210)	10991.25581 (90071406)	10958.21893 (90112403)	10708.51115 (92110607)	10314.55411 (90102103)
3605814.5	12130.52058 (90071406)	12005.89239 (92110608)	11684.59530 (92110607)	11139.07263 (90102103)	10923.80390 (91081304)
3605664.5	13318.07367 (92110608)	12848.18197 (92110607)	12114.13187 (91081304)	11949.38225 (91081304)	11569.00406 (90071308)
3605514.5	14248.86688 (92110607)	13578.51140 (91081304)	13112.64860 (90071308)	12757.06162 (90020502)	12514.06391 (91012511)
3605364.5	15312.43171 (91081304)	14628.33440 (90020502)	14307.03270 (91012511)	13756.06572 (91021410)	13330.80237 (91021410)
3605214.5	16829.45937 (91012511)	16030.57873 (91012511)	15355.83022 (91021410)	14595.02007 (90120610)	14065.83572 (90120610)
3605064.5	18219.48136 (91021410)	17202.49842 (90120610)	16275.58360 (90120610)	15332.11103 (90120610)	15310.52087 (92092408)
3604914.5	21245.61383 (92092408)	21112.78802 (92092408)	20771.89112 (92092408)	20334.34164 (92092408)	19885.95305 (92092408)
3604764.5	30015.50304 (92092408)	28566.98675 (92092408)	27046.26361 (92092408)	25686.93418 (92092408)	24299.08049 (92092408)
3604614.5	45823.74083 (92092408)	43763.21232 (92092408)	39755.86016 (92092408)	30161.11626 (92092408)	24616.40780 (92092408)

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3604464.5 | 25435.30492 (92092408) 23829.05317 (92092408) 21567.65212 (92092408) 19794.81798 (92092408) 18567.79699 (92092408)
3604314.5 | 21750.53066 (92092408) 20498.77107 (92092408) 19302.18836 (92092408) 18258.56825 (92092408) 17436.35002 (92092408)
3604164.5 | 21806.77381 (92092408) 20682.15418 (92092408) 19702.12076 (92092408) 18847.59484 (92092408) 18123.74463 (92092408)
3604014.5 | 23335.29915 (92092408) 22053.28763 (92092408) 21032.92532 (92092408) 20186.13586 (92092408) 19478.59943 (92092408)
3603864.5 | 25775.87978 (92092408) 24198.63359 (92092408) 23081.89843 (92092408) 22207.48840 (92092408) 21487.54986 (92092408)
3603714.5 | 29535.75675 (92092408) 27510.85584 (92092408) 26218.58769 (92092408) 25200.78615 (92092408) 24244.72843 (92092408)
3603564.5 | 36051.61371 (92092408) 33000.40295 (92092408) 30915.41099 (92092408) 28750.21129 (92092408) 26614.50854 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 505613.98	505763.98	505913.98	506063.98	506213.98
3606564.5	8141.50908 (90112403)	8193.66589 (90112403)	8053.07175 (92110608)	7993.19928 (92110607)	7779.93158 (90102103)
3606414.5	8734.69760 (90112403)	8559.73384 (92110607)	8475.95284 (92110607)	8215.33496 (90102103)	8026.13874 (91081304)
3606264.5	9172.42925 (92110607)	9015.81576 (92110607)	8692.07139 (90102103)	8593.89500 (91081304)	8520.64413 (91081304)
3606114.5	9621.81759 (92110607)	9217.70174 (91081304)	9221.27975 (91081304)	9055.37712 (91081304)	8857.40860 (90071308)
3605964.5	10015.61348 (91081304)	9909.79106 (91081304)	9657.26045 (90071308)	9522.66208 (90020502)	9362.70576 (91012511)
3605814.5	10656.89877 (91081304)	10423.07928 (90020502)	10240.87766 (90020502)	10108.47678 (91012511)	9857.64618 (91012511)
3605664.5	11344.21664 (90020502)	11166.24200 (91012511)	10853.06339 (91012511)	10651.59221 (91021410)	10353.96271 (91021410)
3605514.5	12107.08566 (91012511)	11824.68167 (91021410)	11423.82806 (91021410)	11094.95701 (90120610)	10831.80258 (90120610)
3605364.5	12758.90683 (91021410)	12402.91432 (90120610)	12013.38483 (90120610)	11563.84835 (90120610)	11067.29250 (90120610)
3605214.5	13467.41843 (90120610)	12850.85562 (90120610)	12432.05084 (90010810)	12174.10668 (92092408)	12275.25601 (92092408)
3605064.5	15373.81121 (92092408)	15368.69810 (92092408)	15291.98735 (92092408)	15134.96957 (92092408)	14898.69685 (92092408)
3604914.5	19420.18390 (92092408)	18865.23544 (92092408)	18199.81880 (92092408)	17463.53614 (92092408)	16707.48775 (92092408)
3604764.5	22603.78436 (92092408)	20890.14245 (92092408)	19350.82024 (92092408)	18029.16042 (92092408)	16909.04467 (92092408)
3604614.5	21444.27276 (92092408)	19361.67684 (92092408)	17863.73234 (92092408)	16719.64135 (92092408)	15808.77231 (92092408)

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```
 3604464.5 |  17558.94229 (92092408)  16720.28340 (92092408)  16013.64305 (92092408)
15409.05042 (92092408)  14884.60689 (92092408)
 3604314.5 |  16777.44482 (92092408)  16226.28525 (92092408)  15749.52244 (92092408)
15327.90689 (92092408)  14949.07637 (92092408)
 3604164.5 |  17513.08167 (92092408)  16992.25093 (92092408)  16540.73864 (92092408)
16141.19529 (92092408)  15778.21008 (92092408)
 3604014.5 |  18880.71249 (92092408)  18364.43047 (92092408)  17902.26656 (92092408)
17470.18689 (92092408)  17050.21132 (92092408)
 3603864.5 |  20854.60606 (92092408)  20254.44925 (92092408)  19653.69442 (92092408)
19039.52106 (92092408)  18411.34971 (92092408)
 3603714.5 |  23254.27558 (92092408)  22227.06062 (92092408)  21191.67125 (92092408)
20174.86394 (92092408)  19192.36692 (92092408)
 3603564.5 |  24662.22927 (92092408)  22927.22568 (92092408)  21389.19437 (92092408)
20014.91312 (92092408)  18773.12436 (92092408)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506363.98	506513.98	506663.98	506813.98	506963.98
3606564.5	7514.23296 (91081304)	7555.25440 (91081304)	7500.03049 (91081304)	7360.14769 (91081304)	7244.57192 (90071308)
3606414.5	8019.93307 (91081304)	7905.38901 (91081304)	7749.33565 (90071308)	7671.93362 (90020502)	7586.40503 (90020502)
3606264.5	8329.26476 (91081304)	8216.41712 (90020502)	8135.51136 (90020502)	8023.93775 (91012511)	7926.71238 (91012511)
3606114.5	8772.51137 (90020502)	8639.08524 (91012511)	8535.07495 (91012511)	8355.58461 (91012511)	8251.21785 (91021410)
3605964.5	9250.24409 (91012511)	9041.45761 (91012511)	8917.01249 (91021410)	8728.78939 (91021410)	8489.20604 (91021410)
3605814.5	9703.71234 (91021410)	9471.22578 (91021410)	9180.41354 (91021410)	9025.27547 (90120610)	8836.44975 (90120610)
3605664.5	10033.21710 (90120610)	9850.94373 (90120610)	9600.13120 (90120610)	9298.20168 (90120610)	8963.07933 (90120610)
3605514.5	10497.55921 (90120610)	10109.93108 (90120610)	9718.76049 (90010810)	9526.32224 (90010810)	9287.68110 (90010810)
3605364.5	10786.54529 (90010810)	10487.68000 (90010810)	10139.89391 (90010810)	10219.56262 (92092408)	10262.24717 (92092408)
3605214.5	12314.64621 (92092408)	12293.57931 (92092408)	12217.15214 (92092408)	12093.61234 (92092408)	11932.37664 (92092408)
3605064.5	14595.93415 (92092408)	14245.20694 (92092408)	13865.02378 (92092408)	13471.72286 (92092408)	13077.78545 (92092408)
3604914.5	15969.67749 (92092408)	15272.01903 (92092408)	14624.44864 (92092408)	14030.33067 (92092408)	13489.12700 (92092408)
3604764.5	15959.24728 (92092408)	15148.89411 (92092408)	14451.62199 (92092408)	13846.58233 (92092408)	13317.85213 (92092408)
3604614.5	15061.28587 (92092408)	14433.44113 (92092408)	13896.13834 (92092408)	13429.19382 (92092408)	13018.47476 (92092408)

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```
 3604464.5 |  14424.40384 (92092408)  14016.10806 (92092408)  13649.88936 (92092408)
13317.74098 (92092408)  13013.23982 (92092408)
 3604314.5 |  14604.46361 (92092408)  14287.01433 (92092408)  13990.27264 (92092408)
13708.73159 (92092408)  13437.90742 (92092408)
 3604164.5 |  15438.65310 (92092408)  15113.51176 (92092408)  14795.54486 (92092408)
14479.85428 (92092408)  14163.39200 (92092408)
 3604014.5 |  16629.92825 (92092408)  16204.75057 (92092408)  15773.33503 (92092408)
15336.04532 (92092408)  14894.13635 (92092408)
 3603864.5 |  17773.18300 (92092408)  17131.58730 (92092408)  16493.10072 (92092408)
15862.17639 (92092408)  15241.85895 (92092408)
 3603714.5 |  18250.37222 (92092408)  17350.70921 (92092408)  16494.01159 (92092408)
15678.91536 (92092408)  14903.67393 (92092408)
 3603564.5 |  17638.81294 (92092408)  16592.95961 (92092408)  15623.97928 (92092408)
14722.83845 (92092408)  13883.70643 (92092408)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507113.98	507263.98	507413.98	507563.98	507713.98
3606564.5	7194.06892 (90020502)	7106.42239 (90020502)	7027.59620 (91012511)	6941.49945 (91012511)	6814.42424 (91012511)
3606414.5	7492.51041 (91012511)	7401.09472 (91012511)	7260.16639 (91012511)	7182.11464 (91021410)	7070.05526 (91021410)
3606264.5	7768.84785 (91012511)	7679.29003 (91021410)	7547.78279 (91021410)	7378.73718 (91021410)	7187.13985 (90120610)
3606114.5	8095.13590 (91021410)	7894.96923 (91021410)	7715.20685 (90120610)	7607.96133 (90120610)	7464.25934 (90120610)
3605964.5	8321.66466 (90120610)	8179.27617 (90120610)	7995.53896 (90120610)	7782.83834 (90120610)	7552.61084 (90120610)
3605814.5	8601.14601 (90120610)	8334.59112 (90120610)	8051.00385 (90120610)	7868.22121 (90010810)	7737.35998 (90010810)
3605664.5	8693.98760 (90010810)	8535.44752 (90010810)	8344.56634 (90010810)	8131.85676 (90010810)	7907.08850 (90010810)
3605514.5	9016.96593 (90010810)	8728.22506 (90010810)	8736.42592 (92092408)	8781.21896 (92092408)	8800.82437 (92092408)
3605364.5	10266.44690 (92092408)	10236.34931 (92092408)	10176.77285 (92092408)	10092.69075 (92092408)	9988.88759 (92092408)
3605214.5	11742.77333 (92092408)	11533.28127 (92092408)	11311.13552 (92092408)	11082.22570 (92092408)	10851.16399 (92092408)
3605064.5	12691.81205 (92092408)	12319.43894 (92092408)	11964.04279 (92092408)	11627.35673 (92092408)	11309.95918 (92092408)
3604914.5	12997.49309 (92092408)	12551.14313 (92092408)	12145.51771 (92092408)	11776.13837 (92092408)	11438.78561 (92092408)
3604764.5	12852.04702 (92092408)	12438.40196 (92092408)	12068.18186 (92092408)	11734.22859 (92092408)	11430.62664 (92092408)
3604614.5	12652.90555 (92092408)	12323.82907 (92092408)	12024.36281 (92092408)	11748.95277 (92092408)	11493.07104 (92092408)

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```
 3604464.5 |  12730.86347 (92092408)  12465.96125 (92092408)  12214.67290 (92092408)
11973.81500 (92092408)  11740.77411 (92092408)
 3604314.5 |  13174.18065 (92092408)  12914.73766 (92092408)  12657.45023 (92092408)
12400.73823 (92092408)  12143.45262 (92092408)
 3604164.5 |  13844.41091 (92092408)  13522.05340 (92092408)  13196.03923 (92092408)
12866.46323 (92092408)  12533.67606 (92092408)
 3604014.5 |  14449.18051 (92092408)  14002.78821 (92092408)  13556.50638 (92092408)
13111.80563 (92092408)  12670.09562 (92092408)
 3603864.5 |  14634.29110 (92092408)  14041.04735 (92092408)  13463.36198 (92092408)
12902.26356 (92092408)  12358.64093 (92092408)
 3603714.5 |  14166.57717 (92092408)  13466.18689 (92092408)  12801.29669 (92092408)
12170.85546 (92092408)  11573.91369 (92092408)
 3603564.5 |  13101.71200 (92092408)  12372.92033 (92092408)  11693.95792 (92092408)
11061.86226 (92092408)  10474.08650 (92092408)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003988 , L0003989 , L0003990 , L0003991 , L0003992 , L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 , L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 , L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507863.98
3606564.5	6745.58149 (91021410)
3606414.5	6925.97489 (91021410)
3606264.5	7106.73858 (90120610)
3606114.5	7293.99195 (90120610)
3605964.5	7314.27978 (90120610)
3605814.5	7583.43004 (90010810)
3605664.5	7678.62147 (90010810)
3605514.5	8797.68392 (92092408)
3605364.5	9869.74343 (92092408)
3605214.5	10621.43486 (92092408)
3605064.5	11011.64280 (92092408)
3604914.5	11129.57976 (92092408)
3604764.5	11152.45442 (92092408)
3604614.5	11252.99837 (92092408)
3604464.5	11513.41032 (92092408)
3604314.5	11884.78672 (92092408)
3604164.5	12198.21719 (92092408)
3604014.5	12232.73985 (92092408)
3603864.5	11833.27294 (92092408)
3603714.5	11009.61412 (92092408)
3603564.5	9941.21311 (91012507)

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*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

```
NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS    9850.75860 AT (  503685.74,  3604615.94,     0.00,
0.00,    0.00)  GC  UCART6
          2ND HIGHEST VALUE IS    9615.16327 AT (  503535.74,  3604465.94,     0.00,
0.00,    0.00)  GC  UCART6
          3RD HIGHEST VALUE IS    9444.09226 AT (  498321.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS    8716.78565 AT (  503535.74,  3604315.94,     0.00,
0.00,    0.00)  GC  UCART6
          5TH HIGHEST VALUE IS    8648.80363 AT (  498621.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS    8575.10203 AT (  503537.15,  3602835.14,     0.00,
0.00,    0.00)  GC  UCART5
          7TH HIGHEST VALUE IS    8483.28469 AT (  505613.59,  3601933.99,     0.00,
0.00,    0.00)  GC  UCART7
          8TH HIGHEST VALUE IS    8307.34260 AT (  500854.52,  3602984.79,     0.00,
0.00,    0.00)  GC  UCART3
          9TH HIGHEST VALUE IS    8176.96142 AT (  498621.32,  3603134.90,     0.00,
0.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS    7922.98830 AT (  503535.74,  3604165.94,     0.00,
0.00,    0.00)  GC  UCART6


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** 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
ALL HIGH 1ST HIGH VALUE IS	142352.41215	ON 92092408:	AT (503685.74, 3604615.94, 0.00, 0.00, 0.00)	GC	UCART6

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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**MODELOPTs: RegDFAULT CONC ELEV

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 12293 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 1462 Calm Hours Identified

A Total of 10831 Missing Hours Identified (41.18 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
Data May Not Be Acceptable for Regulatory Applications.
See Section 5.3.2 of "Meteorological Monitoring Guidance
for Regulatory Modeling Applications" (EPA-454/R-99-005).

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
*** NONE ***

****
*** AERMOD Finishes Successfully ***
****

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```
 **MODELOPTs:  RegDFAULT CONC                                              ELEV


                                              ***     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 RURAL Dispersion Only.

 **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.

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates ANNUAL Averages

 **This Run Includes:    717 Source(s);      1 Source Group(s); and    3528 Receptor
(s)

 **The Model Assumes A Pollutant Type of:  PM_10

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =     9.00 ;  Decay Coef.
=    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
```


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```
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.2 MB of RAM.

 **Detailed Error/Message File:   Otay Mesa Future CPU.err
 **File for Summary of Results:   Otay Mesa Future CPU.sum
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** 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 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

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\AERMET\Otay Mesa.SFC
Met Version: 11059
Profile file: ..\AERMET\Otay Mesa.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN
Year: 1990 Year: 1990

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
90	01	01	1	01	-28.1	0.276	-9.000	-9.000	-999.	334.	67.5	1.00	1.62	0.62	2.10	331.	10.0	283.1	2.0
90	01	01	1	02	-11.6	0.130	-9.000	-9.000	-999.	122.	17.2	1.00	1.62	1.00	1.50	328.	10.0	282.0	2.0
90	01	01	1	03	-29.4	0.261	-9.000	-9.000	-999.	306.	54.4	1.00	1.62	1.00	2.10	344.	10.0	282.5	2.0
90	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	08	-29.3	0.262	-9.000	-9.000	-999.	308.	55.3	1.00	1.62	1.00	2.10	3.	10.0	283.1	2.0
90	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	286.4	2.0
90	01	01	1	10	-42.2	0.382	-9.000	-9.000	-999.	543.	119.1	1.00	1.62	1.00	2.60	171.	10.0	288.1	2.0
90	01	01	1	11	-42.1	0.382	-9.000	-9.000	-999.	544.	119.8	1.00	1.62	1.00	2.60	184.	10.0	289.2	2.0
90	01	01	1	12	-61.1	0.582	-9.000	-9.000	-999.	1021.	291.2	1.00	1.62	1.00	3.60	216.	10.0	289.9	2.0
90	01	01	1	13	-64.0	0.773	-9.000	-9.000	-999.	1562.	652.3	1.00	1.62	1.00	4.60	203.	10.0	289.9	2.0
90	01	01	1	14	-64.0	0.773	-9.000	-9.000	-999.	1564.	652.3	1.00	1.62	1.00	4.60	229.	10.0	289.9	2.0
90	01	01	1	15	-61.5	0.680	-9.000	-9.000	-999.	1302.	462.4	1.00	1.62	1.00	4.10	232.	10.0	289.2	2.0
90	01	01	1	16	-23.5	0.610	-9.000	-9.000	-999.	1103.	873.9	1.00	1.62	0.52	3.60	264.	10.0	288.8	2.0
90	01	01	1	17	48.0	0.561	-9.000	-9.000	-999.	971.	-332.9	1.00	1.62	0.32	3.10	201.	10.0	288.1	2.0

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```
 90 01 01   1 18   50.2  0.644 -9.000 -9.000 -999. 1187.   -480.1  1.00   1.62   0.26
3.60  227.   10.0  288.1    2.0
 90 01 01   1 19  142.8  0.513 -9.000 -9.000 -999.  860.    -85.3  1.00   1.62   0.24
2.60  224.   10.0  287.5    2.0
 90 01 01   1 20  160.1  0.517 -9.000 -9.000 -999.  856.    -78.1  1.00   1.62   0.23
2.60  217.   10.0  287.5    2.0
 90 01 01   1 21  158.4  0.594 -9.000 -9.000 -999. 1052.   -119.4  1.00   1.62   0.23
3.10  220.   10.0  287.5    2.0
 90 01 01   1 22  122.9  0.665 -9.000 -9.000 -999. 1244.   -215.6  1.00   1.62   0.24
3.60  222.   10.0  287.5    2.0
 90 01 01   1 23   43.4  0.642 -9.000 -9.000 -999. 1184.   -549.7  1.00   1.62   0.27
3.60  190.   10.0  287.5    2.0
 90 01 01   1 24    2.5  0.713 -9.000 -9.000 -999. 1382.  -8888.0  1.00   1.62   0.36
4.10  230.   10.0  287.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 90 01 01 01   10.0 1  331.    2.10   283.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```


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```
 *** AERMOD - VERSION  12060 ***   *** L:\DRAFT\3957-1\Air\HRA\AERMOD\Otay Mesa
Existing\Otay Mesa Existing ***        10/17/12
                                  ***
***        14:14:53

PAGE   4
 **MODELOPTs:  RegDFAULT CONC                                          ELEV


                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED
OVER   3 YEARS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS    9328.84166 AT (  498321.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS    8321.89143 AT (  498621.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS    8040.82241 AT (  501904.52,  3602834.79,     0.00,
0.00,    0.00)  GC  UCART3
          4TH HIGHEST VALUE IS    7859.73261 AT (  505613.59,  3601933.99,     0.00,
0.00,    0.00)  GC  UCART7
          5TH HIGHEST VALUE IS    7812.88206 AT (  498621.32,  3603134.90,     0.00,
0.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS    7521.10027 AT (  501887.15,  3602835.14,     0.00,
0.00,    0.00)  GC  UCART5
          7TH HIGHEST VALUE IS    7494.62115 AT (  498471.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS    6876.82198 AT (  505913.59,  3602083.99,     0.00,
0.00,    0.00)  GC  UCART7
          9TH HIGHEST VALUE IS    6849.07784 AT (  503537.15,  3602835.14,     0.00,
0.00,    0.00)  GC  UCART5
         10TH HIGHEST VALUE IS    6698.85435 AT (  500854.52,  3602984.79,     0.00,
0.00,    0.00)  GC  UCART3


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** 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
ALL HIGH 1ST HIGH VALUE IS	114281.79103	ON 92092408:	AT (498621.32, 3603284.90, 0.00, 0.00, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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**MODELOPTs: RegDFAULT CONC ELEV

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 12293 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 1462 Calm Hours Identified

A Total of 10831 Missing Hours Identified (41.18 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
Data May Not Be Acceptable for Regulatory Applications.
See Section 5.3.2 of "Meteorological Monitoring Guidance
for Regulatory Modeling Applications" (EPA-454/R-99-005).

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
*** NONE ***

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```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 7.6.1
** Lakes Environmental Software Inc.
** Date: 10/17/2012
** File: C:\AERMOD\Otay Mesa CPU\Otay Mesa Future CPU\Otay Mesa Future CPU.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE L:\DRAFT\3957-1\Air\HRA\AERMOD\Otay Mesa Existing\Otay Mesa Existing
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Otay Mesa Future CPU.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_A
** DESCRSRC I_905_Sempre-Border
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 74.4202451
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 5
** 505727.82, 3601420.01, 0.00, 4.27, 23.26
** 505711.10, 3601611.75, 0.00, 4.27, 23.26
** 505726.41, 3601719.49, 0.00, 4.27, 23.26
** 505690.91, 3601898.02, 0.00, 4.27, 23.26
** 505643.14, 3601999.74, 0.00, 4.27, 23.26
** ---------------------------------------------------------------------
   LOCATION L0002912     VOLUME   505725.647 3601444.921 0.0
   LOCATION L0002913     VOLUME   505721.305 3601494.732 0.0
   LOCATION L0002914     VOLUME   505716.962 3601544.543 0.0
   LOCATION L0002915     VOLUME   505712.620 3601594.354 0.0
   LOCATION L0002916     VOLUME   505715.679 3601643.964 0.0
   LOCATION L0002917     VOLUME   505722.711 3601693.468 0.0
   LOCATION L0002918     VOLUME   505721.781 3601742.751 0.0
   LOCATION L0002919     VOLUME   505712.030 3601791.791 0.0
   LOCATION L0002920     VOLUME   505702.279 3601840.831 0.0
```


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```
   LOCATION L0002921     VOLUME   505692.529 3601889.871 0.0
   LOCATION L0002922     VOLUME   505673.187 3601935.758 0.0
   LOCATION L0002923     VOLUME   505651.936 3601981.017 0.0
** End of LINE VOLUME Source ID = I_905_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_B
** DESCRSRC I-905_Simpre-SR-125
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 114.2264227081
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 3
** 505643.15, 3601999.73, 0.00, 4.27, 23.26
** 505606.12, 3602064.34, 0.00, 4.27, 23.26
** 505217.50, 3602534.52, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0002924     VOLUME   505630.716 3602021.424 0.0
   LOCATION L0002925     VOLUME   505605.780 3602064.754 0.0
   LOCATION L0002926     VOLUME   505573.926 3602103.293 0.0
   LOCATION L0002927     VOLUME   505542.071 3602141.832 0.0
   LOCATION L0002928     VOLUME   505510.216 3602180.371 0.0
   LOCATION L0002929     VOLUME   505478.361 3602218.911 0.0
   LOCATION L0002930     VOLUME   505446.507 3602257.450 0.0
   LOCATION L0002931     VOLUME   505414.652 3602295.989 0.0
   LOCATION L0002932     VOLUME   505382.797 3602334.528 0.0
   LOCATION L0002933     VOLUME   505350.942 3602373.068 0.0
   LOCATION L0002934     VOLUME   505319.088 3602411.607 0.0
   LOCATION L0002935     VOLUME   505287.233 3602450.146 0.0
   LOCATION L0002936     VOLUME   505255.378 3602488.685 0.0
   LOCATION L0002937     VOLUME   505223.523 3602527.225 0.0
** End of LINE VOLUME Source ID = I_905_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_C
** DESCRSRC I-905_SR-125-LaMedia
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 119.4185328
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 9
** 505216.54, 3602535.58, 0.00, 4.27, 23.26
** 505081.69, 3602686.63, 0.00, 4.27, 23.26
** 504972.76, 3602784.06, 0.00, 4.27, 23.26
** 504860.21, 3602857.56, 0.00, 4.27, 23.26
** 504755.12, 3602907.67, 0.00, 4.27, 23.26
** 504705.68, 3602926.33, 0.00, 4.27, 23.26
** 504548.75, 3602963.98, 0.00, 4.27, 23.26
** 504475.80, 3602970.59, 0.00, 4.27, 23.26
** 503524.10, 3602978.42, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0002938     VOLUME   505199.887 3602554.225 0.0
   LOCATION L0002939     VOLUME   505166.590 3602591.525 0.0
   LOCATION L0002940     VOLUME   505133.292 3602628.824 0.0
   LOCATION L0002941     VOLUME   505099.994 3602666.124 0.0
   LOCATION L0002942     VOLUME   505064.909 3602701.638 0.0
```


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```
   LOCATION L0002943     VOLUME   505027.641 3602734.970 0.0
   LOCATION L0002944     VOLUME   504990.372 3602768.303 0.0
   LOCATION L0002945     VOLUME   504950.680 3602798.475 0.0
   LOCATION L0002946     VOLUME   504908.817 3602825.815 0.0
   LOCATION L0002947     VOLUME   504866.954 3602853.154 0.0
   LOCATION L0002948     VOLUME   504822.348 3602875.612 0.0
   LOCATION L0002949     VOLUME   504777.217 3602897.132 0.0
   LOCATION L0002950     VOLUME   504731.244 3602916.681 0.0
   LOCATION L0002951     VOLUME   504683.630 3602931.620 0.0
   LOCATION L0002952     VOLUME   504635.010 3602943.285 0.0
   LOCATION L0002953     VOLUME   504586.390 3602954.951 0.0
   LOCATION L0002954     VOLUME   504537.505 3602965.002 0.0
   LOCATION L0002955     VOLUME   504487.709 3602969.515 0.0
   LOCATION L0002956     VOLUME   504437.759 3602970.907 0.0
   LOCATION L0002957     VOLUME   504387.760 3602971.318 0.0
   LOCATION L0002958     VOLUME   504337.762 3602971.729 0.0
   LOCATION L0002959     VOLUME   504287.764 3602972.140 0.0
   LOCATION L0002960     VOLUME   504237.765 3602972.552 0.0
   LOCATION L0002961     VOLUME   504187.767 3602972.963 0.0
   LOCATION L0002962     VOLUME   504137.769 3602973.374 0.0
   LOCATION L0002963     VOLUME   504087.771 3602973.785 0.0
   LOCATION L0002964     VOLUME   504037.772 3602974.196 0.0
   LOCATION L0002965     VOLUME   503987.774 3602974.607 0.0
   LOCATION L0002966     VOLUME   503937.776 3602975.018 0.0
   LOCATION L0002967     VOLUME   503887.777 3602975.429 0.0
   LOCATION L0002968     VOLUME   503837.779 3602975.840 0.0
   LOCATION L0002969     VOLUME   503787.781 3602976.252 0.0
   LOCATION L0002970     VOLUME   503737.782 3602976.663 0.0
   LOCATION L0002971     VOLUME   503687.784 3602977.074 0.0
   LOCATION L0002972     VOLUME   503637.786 3602977.485 0.0
   LOCATION L0002973     VOLUME   503587.787 3602977.896 0.0
   LOCATION L0002974     VOLUME   503537.789 3602978.307 0.0
** End of LINE VOLUME Source ID = I_905_C
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_H
** DESCRSRC I-905_Caliente-I-805
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 254.9975084
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 10
** 498211.33, 3603374.87, 0.00, 0.00, 23.26
** 498078.80, 3603426.47, 0.00, 0.00, 23.26
** 497995.68, 3603450.70, 0.00, 0.00, 23.26
** 497904.40, 3603469.28, 0.00, 0.00, 23.26
** 497830.42, 3603476.97, 0.00, 0.00, 23.26
** 497760.84, 3603476.12, 0.00, 0.00, 23.26
** 497323.89, 3603436.67, 0.00, 0.00, 23.26
** 497063.85, 3603415.73, 0.00, 0.00, 23.26
** 496939.49, 3603412.66, 0.00, 0.00, 23.26
** 496187.94, 3603420.71, 0.00, 0.00, 23.26
** ----------------------------------------------------------------------
   LOCATION L0003123     VOLUME   498188.033 3603383.937 0.0
   LOCATION L0003124     VOLUME   498141.441 3603402.079 0.0
   LOCATION L0003125     VOLUME   498094.848 3603420.221 0.0
   LOCATION L0003126     VOLUME   498047.332 3603435.644 0.0
   LOCATION L0003127     VOLUME   497999.330 3603449.638 0.0
```


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```
   LOCATION L0003128     VOLUME   497950.410 3603459.915 0.0
   LOCATION L0003129     VOLUME   497901.369 3603469.594 0.0
   LOCATION L0003130     VOLUME   497851.637 3603474.761 0.0
   LOCATION L0003131     VOLUME   497801.753 3603476.619 0.0
   LOCATION L0003132     VOLUME   497751.793 3603475.307 0.0
   LOCATION L0003133     VOLUME   497701.996 3603470.810 0.0
   LOCATION L0003134     VOLUME   497652.199 3603466.313 0.0
   LOCATION L0003135     VOLUME   497602.401 3603461.816 0.0
   LOCATION L0003136     VOLUME   497552.604 3603457.320 0.0
   LOCATION L0003137     VOLUME   497502.806 3603452.823 0.0
   LOCATION L0003138     VOLUME   497453.009 3603448.326 0.0
   LOCATION L0003139     VOLUME   497403.212 3603443.829 0.0
   LOCATION L0003140     VOLUME   497353.414 3603439.332 0.0
   LOCATION L0003141     VOLUME   497303.600 3603435.032 0.0
   LOCATION L0003142     VOLUME   497253.761 3603431.020 0.0
   LOCATION L0003143     VOLUME   497203.923 3603427.007 0.0
   LOCATION L0003144     VOLUME   497154.084 3603422.995 0.0
   LOCATION L0003145     VOLUME   497104.245 3603418.982 0.0
   LOCATION L0003146     VOLUME   497054.379 3603415.496 0.0
   LOCATION L0003147     VOLUME   497004.394 3603414.264 0.0
   LOCATION L0003148     VOLUME   496954.409 3603413.031 0.0
   LOCATION L0003149     VOLUME   496904.416 3603413.038 0.0
   LOCATION L0003150     VOLUME   496854.419 3603413.573 0.0
   LOCATION L0003151     VOLUME   496804.421 3603414.108 0.0
   LOCATION L0003152     VOLUME   496754.424 3603414.643 0.0
   LOCATION L0003153     VOLUME   496704.427 3603415.179 0.0
   LOCATION L0003154     VOLUME   496654.430 3603415.714 0.0
   LOCATION L0003155     VOLUME   496604.433 3603416.249 0.0
   LOCATION L0003156     VOLUME   496554.436 3603416.784 0.0
   LOCATION L0003157     VOLUME   496504.439 3603417.319 0.0
   LOCATION L0003158     VOLUME   496454.442 3603417.854 0.0
   LOCATION L0003159     VOLUME   496404.444 3603418.389 0.0
   LOCATION L0003160     VOLUME   496354.447 3603418.924 0.0
   LOCATION L0003161     VOLUME   496304.450 3603419.459 0.0
   LOCATION L0003162     VOLUME   496254.453 3603419.995 0.0
   LOCATION L0003163     VOLUME   496204.456 3603420.530 0.0
** End of LINE VOLUME Source ID = I_905_H
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_805_C
** DESCRSRC I-805_I-905_Palm
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 256.1440994
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 496187.85, 3603420.77, 0.00, 4.27, 23.26
** 496520.01, 3605148.83, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0003265     VOLUME   496192.572 3603445.321 0.0
   LOCATION L0003266     VOLUME   496202.010 3603494.423 0.0
   LOCATION L0003267     VOLUME   496211.448 3603543.524 0.0
   LOCATION L0003268     VOLUME   496220.886 3603592.625 0.0
   LOCATION L0003269     VOLUME   496230.324 3603641.726 0.0
   LOCATION L0003270     VOLUME   496239.761 3603690.827 0.0
   LOCATION L0003271     VOLUME   496249.199 3603739.928 0.0
   LOCATION L0003272     VOLUME   496258.637 3603789.030 0.0
   LOCATION L0003273     VOLUME   496268.075 3603838.131 0.0
```


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```
   LOCATION L0003274     VOLUME   496277.513 3603887.232 0.0
   LOCATION L0003275     VOLUME   496286.951 3603936.333 0.0
   LOCATION L0003276     VOLUME   496296.389 3603985.434 0.0
   LOCATION L0003277     VOLUME   496305.827 3604034.535 0.0
   LOCATION L0003278     VOLUME   496315.265 3604083.637 0.0
   LOCATION L0003279     VOLUME   496324.703 3604132.738 0.0
   LOCATION L0003280     VOLUME   496334.141 3604181.839 0.0
   LOCATION L0003281     VOLUME   496343.579 3604230.940 0.0
   LOCATION L0003282     VOLUME   496353.017 3604280.041 0.0
   LOCATION L0003283     VOLUME   496362.455 3604329.142 0.0
   LOCATION L0003284     VOLUME   496371.893 3604378.244 0.0
   LOCATION L0003285     VOLUME   496381.331 3604427.345 0.0
   LOCATION L0003286     VOLUME   496390.769 3604476.446 0.0
   LOCATION L0003287     VOLUME   496400.207 3604525.547 0.0
   LOCATION L0003288     VOLUME   496409.645 3604574.648 0.0
   LOCATION L0003289     VOLUME   496419.083 3604623.749 0.0
   LOCATION L0003290     VOLUME   496428.521 3604672.851 0.0
   LOCATION L0003291     VOLUME   496437.959 3604721.952 0.0
   LOCATION L0003292     VOLUME   496447.397 3604771.053 0.0
   LOCATION L0003293     VOLUME   496456.835 3604820.154 0.0
   LOCATION L0003294     VOLUME   496466.273 3604869.255 0.0
   LOCATION L0003295     VOLUME   496475.711 3604918.356 0.0
   LOCATION L0003296     VOLUME   496485.149 3604967.458 0.0
   LOCATION L0003297     VOLUME   496494.587 3605016.559 0.0
   LOCATION L0003298     VOLUME   496504.025 3605065.660 0.0
   LOCATION L0003299     VOLUME   496513.463 3605114.761 0.0
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** LINE VOLUME Source ID = I_805_D
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** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 286.150169159
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 5
** 496519.99, 3605148.63, 0.00, 4.27, 23.26
** 496549.94, 3605316.11, 0.00, 4.27, 23.26
** 496568.64, 3605434.29, 0.00, 4.27, 23.26
** 496577.42, 3605558.92, 0.00, 4.27, 23.26
** 496593.26, 3606374.43, 0.00, 4.27, 23.26
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   LOCATION L0003300     VOLUME   496524.391 3605173.242 0.0
   LOCATION L0003301     VOLUME   496533.192 3605222.461 0.0
   LOCATION L0003302     VOLUME   496541.993 3605271.681 0.0
   LOCATION L0003303     VOLUME   496550.698 3605320.916 0.0
   LOCATION L0003304     VOLUME   496558.515 3605370.301 0.0
   LOCATION L0003305     VOLUME   496566.332 3605419.686 0.0
   LOCATION L0003306     VOLUME   496571.119 3605469.418 0.0
   LOCATION L0003307     VOLUME   496574.632 3605519.294 0.0
   LOCATION L0003308     VOLUME   496577.623 3605569.194 0.0
   LOCATION L0003309     VOLUME   496578.594 3605619.184 0.0
   LOCATION L0003310     VOLUME   496579.565 3605669.175 0.0
   LOCATION L0003311     VOLUME   496580.536 3605719.165 0.0
   LOCATION L0003312     VOLUME   496581.507 3605769.156 0.0
   LOCATION L0003313     VOLUME   496582.478 3605819.147 0.0
   LOCATION L0003314     VOLUME   496583.449 3605869.137 0.0
   LOCATION L0003315     VOLUME   496584.421 3605919.128 0.0
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   LOCATION L0003316     VOLUME   496585.392 3605969.118 0.0
   LOCATION L0003317     VOLUME   496586.363 3606019.109 0.0
   LOCATION L0003318     VOLUME   496587.334 3606069.099 0.0
   LOCATION L0003319     VOLUME   496588.305 3606119.090 0.0
   LOCATION L0003320     VOLUME   496589.276 3606169.081 0.0
   LOCATION L0003321     VOLUME   496590.247 3606219.071 0.0
   LOCATION L0003322     VOLUME   496591.218 3606269.062 0.0
   LOCATION L0003323     VOLUME   496592.189 3606319.052 0.0
   LOCATION L0003324     VOLUME   496593.160 3606369.043 0.0
** End of LINE VOLUME Source ID = I_805_D
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MEASA_A
** DESCRSRC Otay Mesa Rd Calinete to Corporate
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 156.8449933
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 498669.75, 3603440.25, 0.00, 4.27, 18.60
** 499484.05, 3603427.60, 0.00, 4.27, 18.60
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   LOCATION L0003510     VOLUME   498689.746 3603439.942 0.0
   LOCATION L0003511     VOLUME   498729.741 3603439.320 0.0
   LOCATION L0003512     VOLUME   498769.736 3603438.699 0.0
   LOCATION L0003513     VOLUME   498809.731 3603438.077 0.0
   LOCATION L0003514     VOLUME   498849.726 3603437.456 0.0
   LOCATION L0003515     VOLUME   498889.722 3603436.834 0.0
   LOCATION L0003516     VOLUME   498929.717 3603436.213 0.0
   LOCATION L0003517     VOLUME   498969.712 3603435.592 0.0
   LOCATION L0003518     VOLUME   499009.707 3603434.970 0.0
   LOCATION L0003519     VOLUME   499049.702 3603434.349 0.0
   LOCATION L0003520     VOLUME   499089.697 3603433.727 0.0
   LOCATION L0003521     VOLUME   499129.693 3603433.106 0.0
   LOCATION L0003522     VOLUME   499169.688 3603432.484 0.0
   LOCATION L0003523     VOLUME   499209.683 3603431.863 0.0
   LOCATION L0003524     VOLUME   499249.678 3603431.241 0.0
   LOCATION L0003525     VOLUME   499289.673 3603430.620 0.0
   LOCATION L0003526     VOLUME   499329.668 3603429.998 0.0
   LOCATION L0003527     VOLUME   499369.664 3603429.377 0.0
   LOCATION L0003528     VOLUME   499409.659 3603428.756 0.0
   LOCATION L0003529     VOLUME   499449.654 3603428.134 0.0
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_B
** DESCRSRC Otay Mesa Rd Corporate to Innovative
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 111.4140297
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 499484.06, 3603427.60, 0.00, 4.27, 18.60
** 499886.35, 3603425.24, 0.00, 4.27, 18.60
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   LOCATION L0003530     VOLUME   499504.056 3603427.483 0.0
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   LOCATION L0003531     VOLUME   499544.055 3603427.249 0.0
   LOCATION L0003532     VOLUME   499584.055 3603427.015 0.0
   LOCATION L0003533     VOLUME   499624.054 3603426.780 0.0
   LOCATION L0003534     VOLUME   499664.053 3603426.546 0.0
   LOCATION L0003535     VOLUME   499704.053 3603426.312 0.0
   LOCATION L0003536     VOLUME   499744.052 3603426.078 0.0
   LOCATION L0003537     VOLUME   499784.051 3603425.844 0.0
   LOCATION L0003538     VOLUME   499824.051 3603425.610 0.0
   LOCATION L0003539     VOLUME   499864.050 3603425.375 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_B
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MES_C
** DESCRSRC Otay Mesa Rd Innovated to Heritage
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 100.5971336
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 499886.36, 3603425.25, 0.00, 4.27, 18.60
** 500293.21, 3603418.28, 0.00, 4.27, 18.60
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   LOCATION L0003540     VOLUME   499906.355 3603424.905 0.0
   LOCATION L0003541     VOLUME   499946.349 3603424.220 0.0
   LOCATION L0003542     VOLUME   499986.344 3603423.536 0.0
   LOCATION L0003543     VOLUME   500026.338 3603422.851 0.0
   LOCATION L0003544     VOLUME   500066.332 3603422.167 0.0
   LOCATION L0003545     VOLUME   500106.326 3603421.482 0.0
   LOCATION L0003546     VOLUME   500146.320 3603420.798 0.0
   LOCATION L0003547     VOLUME   500186.314 3603420.113 0.0
   LOCATION L0003548     VOLUME   500226.308 3603419.429 0.0
   LOCATION L0003549     VOLUME   500266.303 3603418.744 0.0
** End of LINE VOLUME Source ID = OTAY_MES_C
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_D
** DESCRSRC Otay Mesa Rd-905 E-Heritage to Cactus
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 165.4985102
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 500293.22, 3603418.33, 0.00, 4.27, 18.60
** 501102.99, 3603404.90, 0.00, 4.27, 18.60
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   LOCATION L0003550     VOLUME   500313.219 3603417.999 0.0
   LOCATION L0003551     VOLUME   500353.214 3603417.335 0.0
   LOCATION L0003552     VOLUME   500393.208 3603416.672 0.0
   LOCATION L0003553     VOLUME   500433.203 3603416.009 0.0
   LOCATION L0003554     VOLUME   500473.197 3603415.345 0.0
   LOCATION L0003555     VOLUME   500513.192 3603414.682 0.0
   LOCATION L0003556     VOLUME   500553.186 3603414.019 0.0
   LOCATION L0003557     VOLUME   500593.181 3603413.356 0.0
   LOCATION L0003558     VOLUME   500633.175 3603412.692 0.0
   LOCATION L0003559     VOLUME   500673.170 3603412.029 0.0
   LOCATION L0003560     VOLUME   500713.164 3603411.366 0.0
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   LOCATION L0003561     VOLUME   500753.159 3603410.703 0.0
   LOCATION L0003562     VOLUME   500793.153 3603410.039 0.0
   LOCATION L0003563     VOLUME   500833.148 3603409.376 0.0
   LOCATION L0003564     VOLUME   500873.142 3603408.713 0.0
   LOCATION L0003565     VOLUME   500913.137 3603408.050 0.0
   LOCATION L0003566     VOLUME   500953.131 3603407.386 0.0
   LOCATION L0003567     VOLUME   500993.126 3603406.723 0.0
   LOCATION L0003568     VOLUME   501033.120 3603406.060 0.0
   LOCATION L0003569     VOLUME   501073.115 3603405.397 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_D
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_E
** DESCRSRC Otay Mesa R-905 F Cactus to Britannia
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 95.18868559
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 501102.95, 3603404.89, 0.00, 4.27, 18.60
** 501903.08, 3603388.31, 0.00, 4.27, 18.60
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   LOCATION L0003570     VOLUME   501122.943 3603404.472 0.0
   LOCATION L0003571     VOLUME   501162.935 3603403.644 0.0
   LOCATION L0003572     VOLUME   501202.926 3603402.816 0.0
   LOCATION L0003573     VOLUME   501242.917 3603401.987 0.0
   LOCATION L0003574     VOLUME   501282.909 3603401.159 0.0
   LOCATION L0003575     VOLUME   501322.900 3603400.330 0.0
   LOCATION L0003576     VOLUME   501362.892 3603399.502 0.0
   LOCATION L0003577     VOLUME   501402.883 3603398.674 0.0
   LOCATION L0003578     VOLUME   501442.875 3603397.845 0.0
   LOCATION L0003579     VOLUME   501482.866 3603397.017 0.0
   LOCATION L0003580     VOLUME   501522.857 3603396.188 0.0
   LOCATION L0003581     VOLUME   501562.849 3603395.360 0.0
   LOCATION L0003582     VOLUME   501602.840 3603394.532 0.0
   LOCATION L0003583     VOLUME   501642.832 3603393.703 0.0
   LOCATION L0003584     VOLUME   501682.823 3603392.875 0.0
   LOCATION L0003585     VOLUME   501722.814 3603392.046 0.0
   LOCATION L0003586     VOLUME   501762.806 3603391.218 0.0
   LOCATION L0003587     VOLUME   501802.797 3603390.390 0.0
   LOCATION L0003588     VOLUME   501842.789 3603389.561 0.0
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_F
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** PREFIX
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** Configuration = Adjacent
** Emission Rate = 109.2506505
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 501903.09, 3603388.31, 0.00, 4.27, 18.60
** 503536.98, 3603371.42, 0.00, 4.27, 18.60
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   LOCATION L0003590     VOLUME   501923.093 3603388.105 0.0
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   LOCATION L0003591     VOLUME   501963.091 3603387.691 0.0
   LOCATION L0003592     VOLUME   502003.089 3603387.278 0.0
   LOCATION L0003593     VOLUME   502043.087 3603386.864 0.0
   LOCATION L0003594     VOLUME   502083.084 3603386.450 0.0
   LOCATION L0003595     VOLUME   502123.082 3603386.037 0.0
   LOCATION L0003596     VOLUME   502163.080 3603385.623 0.0
   LOCATION L0003597     VOLUME   502203.078 3603385.210 0.0
   LOCATION L0003598     VOLUME   502243.076 3603384.796 0.0
   LOCATION L0003599     VOLUME   502283.074 3603384.383 0.0
   LOCATION L0003600     VOLUME   502323.072 3603383.969 0.0
   LOCATION L0003601     VOLUME   502363.069 3603383.556 0.0
   LOCATION L0003602     VOLUME   502403.067 3603383.142 0.0
   LOCATION L0003603     VOLUME   502443.065 3603382.729 0.0
   LOCATION L0003604     VOLUME   502483.063 3603382.315 0.0
   LOCATION L0003605     VOLUME   502523.061 3603381.902 0.0
   LOCATION L0003606     VOLUME   502563.059 3603381.488 0.0
   LOCATION L0003607     VOLUME   502603.057 3603381.074 0.0
   LOCATION L0003608     VOLUME   502643.054 3603380.661 0.0
   LOCATION L0003609     VOLUME   502683.052 3603380.247 0.0
   LOCATION L0003610     VOLUME   502723.050 3603379.834 0.0
   LOCATION L0003611     VOLUME   502763.048 3603379.420 0.0
   LOCATION L0003612     VOLUME   502803.046 3603379.007 0.0
   LOCATION L0003613     VOLUME   502843.044 3603378.593 0.0
   LOCATION L0003614     VOLUME   502883.042 3603378.180 0.0
   LOCATION L0003615     VOLUME   502923.039 3603377.766 0.0
   LOCATION L0003616     VOLUME   502963.037 3603377.353 0.0
   LOCATION L0003617     VOLUME   503003.035 3603376.939 0.0
   LOCATION L0003618     VOLUME   503043.033 3603376.525 0.0
   LOCATION L0003619     VOLUME   503083.031 3603376.112 0.0
   LOCATION L0003620     VOLUME   503123.029 3603375.698 0.0
   LOCATION L0003621     VOLUME   503163.027 3603375.285 0.0
   LOCATION L0003622     VOLUME   503203.025 3603374.871 0.0
   LOCATION L0003623     VOLUME   503243.022 3603374.458 0.0
   LOCATION L0003624     VOLUME   503283.020 3603374.044 0.0
   LOCATION L0003625     VOLUME   503323.018 3603373.631 0.0
   LOCATION L0003626     VOLUME   503363.016 3603373.217 0.0
   LOCATION L0003627     VOLUME   503403.014 3603372.804 0.0
   LOCATION L0003628     VOLUME   503443.012 3603372.390 0.0
   LOCATION L0003629     VOLUME   503483.010 3603371.976 0.0
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** LINE VOLUME Source ID = I_905_D
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** Configuration = Adjacent
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** 501899.68, 3602983.74, 0.00, 4.27, 23.26
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   LOCATION L0002810     VOLUME   503499.078 3602978.506 0.0
   LOCATION L0002811     VOLUME   503449.079 3602978.669 0.0
   LOCATION L0002812     VOLUME   503399.079 3602978.833 0.0
   LOCATION L0002813     VOLUME   503349.079 3602978.996 0.0
   LOCATION L0002814     VOLUME   503299.079 3602979.160 0.0
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   LOCATION L0002815     VOLUME   503249.080 3602979.323 0.0
   LOCATION L0002816     VOLUME   503199.080 3602979.487 0.0
   LOCATION L0002817     VOLUME   503149.080 3602979.650 0.0
   LOCATION L0002818     VOLUME   503099.080 3602979.814 0.0
   LOCATION L0002819     VOLUME   503049.081 3602979.978 0.0
   LOCATION L0002820     VOLUME   502999.081 3602980.141 0.0
   LOCATION L0002821     VOLUME   502949.081 3602980.305 0.0
   LOCATION L0002822     VOLUME   502899.081 3602980.468 0.0
   LOCATION L0002823     VOLUME   502849.082 3602980.632 0.0
   LOCATION L0002824     VOLUME   502799.082 3602980.795 0.0
   LOCATION L0002825     VOLUME   502749.082 3602980.959 0.0
   LOCATION L0002826     VOLUME   502699.083 3602981.122 0.0
   LOCATION L0002827     VOLUME   502649.083 3602981.286 0.0
   LOCATION L0002828     VOLUME   502599.083 3602981.449 0.0
   LOCATION L0002829     VOLUME   502549.083 3602981.613 0.0
   LOCATION L0002830     VOLUME   502499.084 3602981.776 0.0
   LOCATION L0002831     VOLUME   502449.084 3602981.940 0.0
   LOCATION L0002832     VOLUME   502399.084 3602982.104 0.0
   LOCATION L0002833     VOLUME   502349.084 3602982.267 0.0
   LOCATION L0002834     VOLUME   502299.085 3602982.431 0.0
   LOCATION L0002835     VOLUME   502249.085 3602982.594 0.0
   LOCATION L0002836     VOLUME   502199.085 3602982.758 0.0
   LOCATION L0002837     VOLUME   502149.085 3602982.921 0.0
   LOCATION L0002838     VOLUME   502099.086 3602983.085 0.0
   LOCATION L0002839     VOLUME   502049.086 3602983.248 0.0
   LOCATION L0002840     VOLUME   501999.086 3602983.412 0.0
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** LINE VOLUME Source ID = I_905_E
** DESCRSRC I-905 Britannia to Cactus
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 199.6150004
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 7
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** 501741.38, 3602983.82, 0.00, 4.27, 23.26
** 501643.61, 3602988.14, 0.00, 4.27, 23.26
** 501570.98, 3602994.32, 0.00, 4.27, 23.26
** 501500.02, 3603003.34, 0.00, 4.27, 23.26
** 501181.43, 3603050.59, 0.00, 4.27, 23.26
** 501097.47, 3603057.67, 0.00, 4.27, 23.26
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   LOCATION L0002975     VOLUME   501874.908 3602983.656 0.0
   LOCATION L0002976     VOLUME   501824.908 3602983.718 0.0
   LOCATION L0002977     VOLUME   501774.909 3602983.780 0.0
   LOCATION L0002978     VOLUME   501724.925 3602984.548 0.0
   LOCATION L0002979     VOLUME   501674.973 3602986.753 0.0
   LOCATION L0002980     VOLUME   501625.071 3602989.716 0.0
   LOCATION L0002981     VOLUME   501575.251 3602993.961 0.0
   LOCATION L0002982     VOLUME   501525.632 3603000.087 0.0
   LOCATION L0002983     VOLUME   501476.099 3603006.889 0.0
   LOCATION L0002984     VOLUME   501426.640 3603014.224 0.0
   LOCATION L0002985     VOLUME   501377.181 3603021.559 0.0
   LOCATION L0002986     VOLUME   501327.722 3603028.894 0.0
   LOCATION L0002987     VOLUME   501278.263 3603036.230 0.0
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   LOCATION L0002988     VOLUME   501228.804 3603043.565 0.0
   LOCATION L0002989     VOLUME   501179.329 3603050.767 0.0
   LOCATION L0002990     VOLUME   501129.506 3603054.967 0.0
** End of LINE VOLUME Source ID = I_905_E
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_I
** DESCRSRC I-905 Cactus to Heritage
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 199.6150004
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 10
** 501097.64, 3603057.51, 0.00, 4.27, 23.26
** 501002.41, 3603058.87, 0.00, 4.27, 23.26
** 500933.39, 3603058.05, 0.00, 4.27, 23.26
** 500801.94, 3603045.25, 0.00, 4.27, 23.26
** 500707.24, 3603030.49, 0.00, 4.27, 23.26
** 500621.35, 3603014.98, 0.00, 4.27, 23.26
** 500570.58, 3603004.14, 0.00, 4.27, 23.26
** 500421.36, 3602979.21, 0.00, 4.27, 23.26
** 500340.77, 3602978.08, 0.00, 4.27, 23.26
** 500288.38, 3602980.72, 0.00, 4.27, 23.26
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   LOCATION L0002991     VOLUME   501072.641 3603057.865 0.0
   LOCATION L0002992     VOLUME   501022.647 3603058.584 0.0
   LOCATION L0002993     VOLUME   500972.651 3603058.519 0.0
   LOCATION L0002994     VOLUME   500922.704 3603057.009 0.0
   LOCATION L0002995     VOLUME   500872.939 3603052.165 0.0
   LOCATION L0002996     VOLUME   500823.174 3603047.321 0.0
   LOCATION L0002997     VOLUME   500773.617 3603040.839 0.0
   LOCATION L0002998     VOLUME   500724.213 3603033.139 0.0
   LOCATION L0002999     VOLUME   500674.941 3603024.661 0.0
   LOCATION L0003000     VOLUME   500625.736 3603015.775 0.0
   LOCATION L0003001     VOLUME   500576.812 3603005.471 0.0
   LOCATION L0003002     VOLUME   500527.549 3602996.951 0.0
   LOCATION L0003003     VOLUME   500478.232 3602988.711 0.0
   LOCATION L0003004     VOLUME   500428.916 3602980.471 0.0
   LOCATION L0003005     VOLUME   500379.025 3602978.615 0.0
   LOCATION L0003006     VOLUME   500329.044 3602978.669 0.0
** End of LINE VOLUME Source ID = I_905_I
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_F
** DESCRSRC I-905 Heritage to Caliente
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 226.1380297
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 17
** 500288.74, 3602980.97, 0.00, 4.27, 23.26
** 500241.20, 3602987.73, 0.00, 4.27, 23.26
** 500196.90, 3602998.23, 0.00, 4.27, 23.26
** 500151.81, 3603011.83, 0.00, 4.27, 23.26
** 500095.46, 3603034.57, 0.00, 4.27, 23.26
** 499913.77, 3603116.43, 0.00, 4.27, 23.26
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** 499814.72, 3603160.10, 0.00, 4.27, 23.26
** 499720.10, 3603197.13, 0.00, 4.27, 23.26
** 499605.86, 3603221.81, 0.00, 4.27, 23.26
** 499557.27, 3603227.77, 0.00, 4.27, 23.26
** 499504.42, 3603229.04, 0.00, 4.27, 23.26
** 499452.20, 3603228.40, 0.00, 4.27, 23.26
** 498924.78, 3603183.28, 0.00, 4.27, 23.26
** 498846.17, 3603179.72, 0.00, 4.27, 23.26
** 498783.51, 3603183.83, 0.00, 4.27, 23.26
** 498727.72, 3603190.92, 0.00, 4.27, 23.26
** 498650.17, 3603206.84, 0.00, 4.27, 23.26
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   LOCATION L0003007     VOLUME   500263.986 3602984.490 0.0
   LOCATION L0003008     VOLUME   500214.942 3602993.952 0.0
   LOCATION L0003009     VOLUME   500166.782 3603007.313 0.0
   LOCATION L0003010     VOLUME   500119.944 3603024.686 0.0
   LOCATION L0003011     VOLUME   500073.945 3603044.259 0.0
   LOCATION L0003012     VOLUME   500028.359 3603064.800 0.0
   LOCATION L0003013     VOLUME   499982.774 3603085.341 0.0
   LOCATION L0003014     VOLUME   499937.188 3603105.882 0.0
   LOCATION L0003015     VOLUME   499891.522 3603126.243 0.0
   LOCATION L0003016     VOLUME   499845.771 3603146.415 0.0
   LOCATION L0003017     VOLUME   499799.760 3603165.959 0.0
   LOCATION L0003018     VOLUME   499753.198 3603184.179 0.0
   LOCATION L0003019     VOLUME   499705.967 3603200.183 0.0
   LOCATION L0003020     VOLUME   499657.095 3603210.743 0.0
   LOCATION L0003021     VOLUME   499608.223 3603221.302 0.0
   LOCATION L0003022     VOLUME   499558.631 3603227.604 0.0
   LOCATION L0003023     VOLUME   499508.655 3603228.936 0.0
   LOCATION L0003024     VOLUME   499458.660 3603228.483 0.0
   LOCATION L0003025     VOLUME   499408.819 3603224.693 0.0
   LOCATION L0003026     VOLUME   499359.001 3603220.430 0.0
   LOCATION L0003027     VOLUME   499309.183 3603216.168 0.0
   LOCATION L0003028     VOLUME   499259.365 3603211.905 0.0
   LOCATION L0003029     VOLUME   499209.547 3603207.642 0.0
   LOCATION L0003030     VOLUME   499159.729 3603203.380 0.0
   LOCATION L0003031     VOLUME   499109.911 3603199.117 0.0
   LOCATION L0003032     VOLUME   499060.093 3603194.854 0.0
   LOCATION L0003033     VOLUME   499010.275 3603190.592 0.0
   LOCATION L0003034     VOLUME   498960.457 3603186.329 0.0
   LOCATION L0003035     VOLUME   498910.602 3603182.635 0.0
   LOCATION L0003036     VOLUME   498860.653 3603180.374 0.0
   LOCATION L0003037     VOLUME   498810.744 3603182.046 0.0
   LOCATION L0003038     VOLUME   498760.984 3603186.697 0.0
   LOCATION L0003039     VOLUME   498711.588 3603194.235 0.0
   LOCATION L0003040     VOLUME   498662.609 3603204.290 0.0
** End of LINE VOLUME Source ID = I_905_F
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_905_G
** DESCRSRC I-905 Caleinte to A st
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 254.9975084
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 3
** 498650.21, 3603207.27, 0.00, 4.27, 23.26
** 498597.78, 3603220.84, 0.00, 4.27, 23.26
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** 498212.50, 3603374.25, 0.00, 4.27, 23.26
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   LOCATION L0003164     VOLUME   498626.003 3603213.532 0.0
   LOCATION L0003165     VOLUME   498578.411 3603228.549 0.0
   LOCATION L0003166     VOLUME   498531.958 3603247.045 0.0
   LOCATION L0003167     VOLUME   498485.506 3603265.542 0.0
   LOCATION L0003168     VOLUME   498439.053 3603284.038 0.0
   LOCATION L0003169     VOLUME   498392.600 3603302.535 0.0
   LOCATION L0003170     VOLUME   498346.147 3603321.032 0.0
   LOCATION L0003171     VOLUME   498299.694 3603339.528 0.0
   LOCATION L0003172     VOLUME   498253.241 3603358.025 0.0
** End of LINE VOLUME Source ID = I_905_G
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_805_A
** DESCRSRC I-805 Border to I-5
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 156.3474161
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 4
** 497206.21, 3600559.02, 0.00, 4.27, 23.26
** 496667.63, 3600985.46, 0.00, 4.27, 23.26
** 496283.14, 3601298.39, 0.00, 4.27, 23.26
** 496232.20, 3601369.95, 0.00, 4.27, 23.26
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   LOCATION L0003173     VOLUME   497186.614 3600574.540 0.0
   LOCATION L0003174     VOLUME   497147.414 3600605.577 0.0
   LOCATION L0003175     VOLUME   497108.214 3600636.615 0.0
   LOCATION L0003176     VOLUME   497069.014 3600667.653 0.0
   LOCATION L0003177     VOLUME   497029.814 3600698.691 0.0
   LOCATION L0003178     VOLUME   496990.613 3600729.729 0.0
   LOCATION L0003179     VOLUME   496951.413 3600760.767 0.0
   LOCATION L0003180     VOLUME   496912.213 3600791.804 0.0
   LOCATION L0003181     VOLUME   496873.013 3600822.842 0.0
   LOCATION L0003182     VOLUME   496833.813 3600853.880 0.0
   LOCATION L0003183     VOLUME   496794.613 3600884.918 0.0
   LOCATION L0003184     VOLUME   496755.412 3600915.956 0.0
   LOCATION L0003185     VOLUME   496716.212 3600946.994 0.0
   LOCATION L0003186     VOLUME   496677.012 3600978.031 0.0
   LOCATION L0003187     VOLUME   496638.132 3601009.468 0.0
   LOCATION L0003188     VOLUME   496599.352 3601041.030 0.0
   LOCATION L0003189     VOLUME   496560.573 3601072.591 0.0
   LOCATION L0003190     VOLUME   496521.793 3601104.153 0.0
   LOCATION L0003191     VOLUME   496483.014 3601135.715 0.0
   LOCATION L0003192     VOLUME   496444.234 3601167.277 0.0
   LOCATION L0003193     VOLUME   496405.455 3601198.839 0.0
   LOCATION L0003194     VOLUME   496366.675 3601230.401 0.0
   LOCATION L0003195     VOLUME   496327.896 3601261.963 0.0
   LOCATION L0003196     VOLUME   496289.116 3601293.524 0.0
   LOCATION L0003197     VOLUME   496258.613 3601332.845 0.0
** End of LINE VOLUME Source ID = I_805_A
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = I_805_B
** DESCRSRC I-905 I-5 tp I-905
** PREFIX
** Length of Side = 50.00
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** Configuration = Adjacent
** Emission Rate = 140.7710857
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 10
** 496233.15, 3601368.93, 0.00, 4.27, 23.26
** 496191.62, 3601457.47, 0.00, 4.27, 23.26
** 496142.10, 3601600.12, 0.00, 4.27, 23.26
** 496081.40, 3601944.25, 0.00, 4.27, 23.26
** 496050.11, 3602067.94, 0.00, 4.27, 23.26
** 496012.85, 3602297.42, 0.00, 4.27, 23.26
** 496011.20, 3602426.18, 0.00, 4.27, 23.26
** 496026.32, 3602582.36, 0.00, 4.27, 23.26
** 496041.43, 3602631.06, 0.00, 4.27, 23.26
** 496187.68, 3603420.44, 0.00, 4.27, 23.26
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   LOCATION L0003325     VOLUME   496222.533 3601391.564 0.0
   LOCATION L0003326     VOLUME   496201.303 3601436.833 0.0
   LOCATION L0003327     VOLUME   496182.702 3601483.172 0.0
   LOCATION L0003328     VOLUME   496166.304 3601530.406 0.0
   LOCATION L0003329     VOLUME   496149.906 3601577.641 0.0
   LOCATION L0003330     VOLUME   496137.550 3601625.926 0.0
   LOCATION L0003331     VOLUME   496128.864 3601675.166 0.0
   LOCATION L0003332     VOLUME   496120.179 3601724.406 0.0
   LOCATION L0003333     VOLUME   496111.494 3601773.646 0.0
   LOCATION L0003334     VOLUME   496102.808 3601822.886 0.0
   LOCATION L0003335     VOLUME   496094.123 3601872.125 0.0
   LOCATION L0003336     VOLUME   496085.438 3601921.365 0.0
   LOCATION L0003337     VOLUME   496074.837 3601970.195 0.0
   LOCATION L0003338     VOLUME   496062.573 3602018.667 0.0
   LOCATION L0003339     VOLUME   496050.309 3602067.140 0.0
   LOCATION L0003340     VOLUME   496042.227 3602116.479 0.0
   LOCATION L0003341     VOLUME   496034.215 3602165.833 0.0
   LOCATION L0003342     VOLUME   496026.203 3602215.187 0.0
   LOCATION L0003343     VOLUME   496018.191 3602264.541 0.0
   LOCATION L0003344     VOLUME   496012.640 3602314.109 0.0
   LOCATION L0003345     VOLUME   496011.999 3602364.105 0.0
   LOCATION L0003346     VOLUME   496011.358 3602414.101 0.0
   LOCATION L0003347     VOLUME   496014.856 3602463.924 0.0
   LOCATION L0003348     VOLUME   496019.672 3602513.691 0.0
   LOCATION L0003349     VOLUME   496024.489 3602563.459 0.0
   LOCATION L0003350     VOLUME   496035.510 3602611.977 0.0
   LOCATION L0003351     VOLUME   496046.900 3602660.577 0.0
   LOCATION L0003352     VOLUME   496056.009 3602709.740 0.0
   LOCATION L0003353     VOLUME   496065.117 3602758.903 0.0
   LOCATION L0003354     VOLUME   496074.226 3602808.067 0.0
   LOCATION L0003355     VOLUME   496083.335 3602857.230 0.0
   LOCATION L0003356     VOLUME   496092.443 3602906.393 0.0
   LOCATION L0003357     VOLUME   496101.552 3602955.557 0.0
   LOCATION L0003358     VOLUME   496110.660 3603004.720 0.0
   LOCATION L0003359     VOLUME   496119.769 3603053.883 0.0
   LOCATION L0003360     VOLUME   496128.877 3603103.047 0.0
   LOCATION L0003361     VOLUME   496137.986 3603152.210 0.0
   LOCATION L0003362     VOLUME   496147.094 3603201.373 0.0
   LOCATION L0003363     VOLUME   496156.203 3603250.537 0.0
   LOCATION L0003364     VOLUME   496165.312 3603299.700 0.0
   LOCATION L0003365     VOLUME   496174.420 3603348.863 0.0
   LOCATION L0003366     VOLUME   496183.529 3603398.027 0.0
** End of LINE VOLUME Source ID = I_805_B
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SR_125_A
** DESCRSRC SR-125 I-905 to Lone Star
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 133.2641598
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 15
** 505216.55, 3602535.67, 0.00, 4.27, 0.00
** 505208.82, 3602550.85, 0.00, 4.27, 23.26
** 505179.25, 3602619.06, 0.00, 4.27, 23.26
** 505156.13, 3602748.82, 0.00, 4.27, 23.26
** 505159.89, 3602881.66, 0.00, 4.27, 23.26
** 505137.33, 3603019.51, 0.00, 4.27, 23.26
** 505103.49, 3603121.02, 0.00, 4.27, 23.26
** 504989.45, 3603258.87, 0.00, 4.27, 23.26
** 504812.76, 3603362.88, 0.00, 4.27, 23.26
** 504756.06, 3603552.47, 0.00, 4.27, 23.26
** 504693.64, 3603722.94, 0.00, 4.27, 23.26
** 504609.05, 3603856.80, 0.00, 4.27, 23.26
** 504487.60, 3603989.97, 0.00, 4.27, 23.26
** 504369.35, 3604092.24, 0.00, 4.27, 23.26
** 503730.11, 3604589.33, 0.00, 4.27, 23.26
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   LOCATION L0003367     VOLUME   505205.653 3602558.161 0.0
   LOCATION L0003368     VOLUME   505185.763 3602604.035 0.0
   LOCATION L0003369     VOLUME   505173.350 3602652.162 0.0
   LOCATION L0003370     VOLUME   505164.579 3602701.386 0.0
   LOCATION L0003371     VOLUME   505156.179 3602750.639 0.0
   LOCATION L0003372     VOLUME   505157.593 3602800.619 0.0
   LOCATION L0003373     VOLUME   505159.008 3602850.599 0.0
   LOCATION L0003374     VOLUME   505156.830 3602900.338 0.0
   LOCATION L0003375     VOLUME   505148.756 3602949.681 0.0
   LOCATION L0003376     VOLUME   505140.681 3602999.025 0.0
   LOCATION L0003377     VOLUME   505128.082 3603047.252 0.0
   LOCATION L0003378     VOLUME   505112.270 3603094.686 0.0
   LOCATION L0003379     VOLUME   505089.314 3603138.157 0.0
   LOCATION L0003380     VOLUME   505057.442 3603176.682 0.0
   LOCATION L0003381     VOLUME   505025.571 3603215.208 0.0
   LOCATION L0003382     VOLUME   504993.700 3603253.734 0.0
   LOCATION L0003383     VOLUME   504952.105 3603280.851 0.0
   LOCATION L0003384     VOLUME   504909.016 3603306.216 0.0
   LOCATION L0003385     VOLUME   504865.928 3603331.580 0.0
   LOCATION L0003386     VOLUME   504822.839 3603356.944 0.0
   LOCATION L0003387     VOLUME   504801.783 3603399.574 0.0
   LOCATION L0003388     VOLUME   504787.457 3603447.478 0.0
   LOCATION L0003389     VOLUME   504773.132 3603495.382 0.0
   LOCATION L0003390     VOLUME   504758.806 3603543.286 0.0
   LOCATION L0003391     VOLUME   504742.163 3603590.419 0.0
   LOCATION L0003392     VOLUME   504724.970 3603637.370 0.0
   LOCATION L0003393     VOLUME   504707.776 3603684.321 0.0
   LOCATION L0003394     VOLUME   504688.894 3603730.441 0.0
   LOCATION L0003395     VOLUME   504662.184 3603772.709 0.0
   LOCATION L0003396     VOLUME   504635.475 3603814.978 0.0
   LOCATION L0003397     VOLUME   504608.692 3603857.190 0.0
   LOCATION L0003398     VOLUME   504575.000 3603894.133 0.0
   LOCATION L0003399     VOLUME   504541.307 3603931.077 0.0
   LOCATION L0003400     VOLUME   504507.615 3603968.020 0.0
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   LOCATION L0003401     VOLUME   504472.247 3604003.244 0.0
   LOCATION L0003402     VOLUME   504434.429 3604035.952 0.0
   LOCATION L0003403     VOLUME   504396.611 3604068.659 0.0
   LOCATION L0003404     VOLUME   504358.332 3604100.805 0.0
   LOCATION L0003405     VOLUME   504318.862 3604131.498 0.0
   LOCATION L0003406     VOLUME   504279.391 3604162.192 0.0
   LOCATION L0003407     VOLUME   504239.921 3604192.885 0.0
   LOCATION L0003408     VOLUME   504200.451 3604223.579 0.0
   LOCATION L0003409     VOLUME   504160.980 3604254.273 0.0
   LOCATION L0003410     VOLUME   504121.510 3604284.966 0.0
   LOCATION L0003411     VOLUME   504082.040 3604315.660 0.0
   LOCATION L0003412     VOLUME   504042.569 3604346.353 0.0
   LOCATION L0003413     VOLUME   504003.099 3604377.047 0.0
   LOCATION L0003414     VOLUME   503963.629 3604407.740 0.0
   LOCATION L0003415     VOLUME   503924.158 3604438.434 0.0
   LOCATION L0003416     VOLUME   503884.688 3604469.127 0.0
   LOCATION L0003417     VOLUME   503845.218 3604499.821 0.0
   LOCATION L0003418     VOLUME   503805.747 3604530.514 0.0
   LOCATION L0003419     VOLUME   503766.277 3604561.208 0.0
** End of LINE VOLUME Source ID = SR_125_A
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SR_125_B
** DESCRSRC SR-125 Lonestar to Birch
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 179.4090385
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 16
** 503732.02, 3604588.33, 0.00, 4.27, 23.26
** 503641.63, 3604670.27, 0.00, 4.27, 23.26
** 503499.13, 3604838.92, 0.00, 4.27, 23.26
** 503415.86, 3604960.59, 0.00, 4.27, 23.26
** 503332.13, 3605119.23, 0.00, 4.27, 23.26
** 503287.01, 3605229.39, 0.00, 4.27, 23.26
** 503244.01, 3605347.27, 0.00, 4.27, 23.26
** 503209.31, 3605475.96, 0.00, 4.27, 23.26
** 503184.71, 3605619.41, 0.00, 4.27, 23.26
** 503173.79, 3605712.19, 0.00, 4.27, 23.26
** 503185.97, 3606077.43, 0.00, 4.27, 23.26
** 503345.61, 3606634.50, 0.00, 4.27, 23.26
** 503362.60, 3606848.49, 0.00, 4.27, 23.26
** 503365.99, 3607001.34, 0.00, 4.27, 23.26
** 503352.41, 3607188.16, 0.00, 4.27, 23.26
** 503315.04, 3607358.00, 0.00, 4.27, 23.26
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   LOCATION L0003420     VOLUME   503713.494 3604605.122 0.0
   LOCATION L0003421     VOLUME   503676.452 3604638.706 0.0
   LOCATION L0003422     VOLUME   503639.696 3604672.567 0.0
   LOCATION L0003423     VOLUME   503607.425 3604710.758 0.0
   LOCATION L0003424     VOLUME   503575.154 3604748.949 0.0
   LOCATION L0003425     VOLUME   503542.883 3604787.140 0.0
   LOCATION L0003426     VOLUME   503510.612 3604825.331 0.0
   LOCATION L0003427     VOLUME   503480.937 3604865.500 0.0
   LOCATION L0003428     VOLUME   503452.697 3604906.762 0.0
   LOCATION L0003429     VOLUME   503424.457 3604948.023 0.0
   LOCATION L0003430     VOLUME   503399.626 3604991.341 0.0
   LOCATION L0003431     VOLUME   503376.288 3605035.561 0.0
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   LOCATION L0003432     VOLUME   503352.950 3605079.780 0.0
   LOCATION L0003433     VOLUME   503330.086 3605124.220 0.0
   LOCATION L0003434     VOLUME   503311.133 3605170.489 0.0
   LOCATION L0003435     VOLUME   503292.181 3605216.758 0.0
   LOCATION L0003436     VOLUME   503274.550 3605263.539 0.0
   LOCATION L0003437     VOLUME   503257.416 3605310.511 0.0
   LOCATION L0003438     VOLUME   503241.176 3605357.767 0.0
   LOCATION L0003439     VOLUME   503228.160 3605406.043 0.0
   LOCATION L0003440     VOLUME   503215.143 3605454.319 0.0
   LOCATION L0003441     VOLUME   503204.646 3605503.149 0.0
   LOCATION L0003442     VOLUME   503196.195 3605552.430 0.0
   LOCATION L0003443     VOLUME   503187.744 3605601.710 0.0
   LOCATION L0003444     VOLUME   503180.965 3605651.232 0.0
   LOCATION L0003445     VOLUME   503175.123 3605700.890 0.0
   LOCATION L0003446     VOLUME   503175.080 3605750.790 0.0
   LOCATION L0003447     VOLUME   503176.746 3605800.763 0.0
   LOCATION L0003448     VOLUME   503178.411 3605850.735 0.0
   LOCATION L0003449     VOLUME   503180.077 3605900.707 0.0
   LOCATION L0003450     VOLUME   503181.742 3605950.680 0.0
   LOCATION L0003451     VOLUME   503183.407 3606000.652 0.0
   LOCATION L0003452     VOLUME   503185.073 3606050.624 0.0
   LOCATION L0003453     VOLUME   503192.351 3606099.712 0.0
   LOCATION L0003454     VOLUME   503206.126 3606147.777 0.0
   LOCATION L0003455     VOLUME   503219.900 3606195.843 0.0
   LOCATION L0003456     VOLUME   503233.675 3606243.908 0.0
   LOCATION L0003457     VOLUME   503247.450 3606291.973 0.0
   LOCATION L0003458     VOLUME   503261.225 3606340.038 0.0
   LOCATION L0003459     VOLUME   503274.999 3606388.103 0.0
   LOCATION L0003460     VOLUME   503288.774 3606436.168 0.0
   LOCATION L0003461     VOLUME   503302.549 3606484.233 0.0
   LOCATION L0003462     VOLUME   503316.324 3606532.298 0.0
   LOCATION L0003463     VOLUME   503330.098 3606580.364 0.0
   LOCATION L0003464     VOLUME   503343.873 3606628.429 0.0
   LOCATION L0003465     VOLUME   503349.069 3606678.047 0.0
   LOCATION L0003466     VOLUME   503353.024 3606727.891 0.0
   LOCATION L0003467     VOLUME   503356.980 3606777.734 0.0
   LOCATION L0003468     VOLUME   503360.936 3606827.577 0.0
   LOCATION L0003469     VOLUME   503363.241 3606877.504 0.0
   LOCATION L0003470     VOLUME   503364.351 3606927.492 0.0
   LOCATION L0003471     VOLUME   503365.462 3606977.480 0.0
   LOCATION L0003472     VOLUME   503364.097 3607027.405 0.0
   LOCATION L0003473     VOLUME   503360.470 3607077.273 0.0
   LOCATION L0003474     VOLUME   503356.843 3607127.142 0.0
   LOCATION L0003475     VOLUME   503353.217 3607177.010 0.0
   LOCATION L0003476     VOLUME   503344.065 3607226.074 0.0
   LOCATION L0003477     VOLUME   503333.322 3607274.906 0.0
   LOCATION L0003478     VOLUME   503322.579 3607323.738 0.0
** End of LINE VOLUME Source ID = SR_125_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_G
** DESCRSRC Otay Mesa Rd La Media to Peter Piper
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 116.8224778
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503536.85, 3603371.47, 0.00, 4.27, 18.60
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```
** 504346.71, 3603357.97, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0003697     VOLUME   503556.849 3603371.139 0.0
   LOCATION L0003698     VOLUME   503596.843 3603370.472 0.0
   LOCATION L0003699     VOLUME   503636.838 3603369.805 0.0
   LOCATION L0003700     VOLUME   503676.832 3603369.138 0.0
   LOCATION L0003701     VOLUME   503716.827 3603368.472 0.0
   LOCATION L0003702     VOLUME   503756.821 3603367.805 0.0
   LOCATION L0003703     VOLUME   503796.815 3603367.138 0.0
   LOCATION L0003704     VOLUME   503836.810 3603366.471 0.0
   LOCATION L0003705     VOLUME   503876.804 3603365.805 0.0
   LOCATION L0003706     VOLUME   503916.799 3603365.138 0.0
   LOCATION L0003707     VOLUME   503956.793 3603364.471 0.0
   LOCATION L0003708     VOLUME   503996.788 3603363.804 0.0
   LOCATION L0003709     VOLUME   504036.782 3603363.138 0.0
   LOCATION L0003710     VOLUME   504076.777 3603362.471 0.0
   LOCATION L0003711     VOLUME   504116.771 3603361.804 0.0
   LOCATION L0003712     VOLUME   504156.765 3603361.137 0.0
   LOCATION L0003713     VOLUME   504196.760 3603360.471 0.0
   LOCATION L0003714     VOLUME   504236.754 3603359.804 0.0
   LOCATION L0003715     VOLUME   504276.749 3603359.137 0.0
   LOCATION L0003716     VOLUME   504316.743 3603358.470 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_G
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_MESA_H
** DESCRSRC Otay Mesa Rd Peter Piper to SR-125
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 61.65630771
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 504346.91, 3603357.30, 0.00, 4.27, 18.60
** 504818.32, 3603354.57, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0003717     VOLUME   504366.905 3603357.187 0.0
   LOCATION L0003718     VOLUME   504406.904 3603356.956 0.0
   LOCATION L0003719     VOLUME   504446.903 3603356.724 0.0
   LOCATION L0003720     VOLUME   504486.903 3603356.492 0.0
   LOCATION L0003721     VOLUME   504526.902 3603356.260 0.0
   LOCATION L0003722     VOLUME   504566.901 3603356.028 0.0
   LOCATION L0003723     VOLUME   504606.901 3603355.796 0.0
   LOCATION L0003724     VOLUME   504646.900 3603355.565 0.0
   LOCATION L0003725     VOLUME   504686.899 3603355.333 0.0
   LOCATION L0003726     VOLUME   504726.899 3603355.101 0.0
   LOCATION L0003727     VOLUME   504766.898 3603354.869 0.0
   LOCATION L0003728     VOLUME   504806.897 3603354.637 0.0
** End of LINE VOLUME Source ID = OTAY_MESA_H
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = AIRWAY_A
** DESCRSRC Airway Rd Cactus to Heritage
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 130.8844427
** Vertical Dimension = 12.80
** SZINIT = 5.95
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** Nodes = 11
** 501090.80, 3602603.27, 0.00, 4.27, 18.60
** 501009.15, 3602602.87, 0.00, 4.27, 18.60
** 500877.77, 3602601.66, 0.00, 4.27, 18.60
** 500791.49, 3602586.75, 0.00, 4.27, 18.60
** 500741.51, 3602568.32, 0.00, 4.27, 18.60
** 500680.50, 3602535.50, 0.00, 4.27, 18.60
** 500608.78, 3602491.74, 0.00, 4.27, 18.60
** 500547.64, 3602469.68, 0.00, 4.27, 18.60
** 500476.05, 3602454.77, 0.00, 4.27, 18.60
** 500380.83, 3602450.58, 0.00, 4.27, 18.60
** 500285.92, 3602449.79, 0.00, 4.27, 18.60
** ---------------------------------------------------------------------
   LOCATION L0003729     VOLUME   501070.800 3602603.168 0.0
   LOCATION L0003730     VOLUME   501030.800 3602602.972 0.0
   LOCATION L0003731     VOLUME   500990.801 3602602.697 0.0
   LOCATION L0003732     VOLUME   500950.803 3602602.330 0.0
   LOCATION L0003733     VOLUME   500910.805 3602601.962 0.0
   LOCATION L0003734     VOLUME   500870.908 3602600.474 0.0
   LOCATION L0003735     VOLUME   500831.492 3602593.663 0.0
   LOCATION L0003736     VOLUME   500792.076 3602586.851 0.0
   LOCATION L0003737     VOLUME   500754.518 3602573.118 0.0
   LOCATION L0003738     VOLUME   500718.494 3602555.938 0.0
   LOCATION L0003739     VOLUME   500683.269 3602536.986 0.0
   LOCATION L0003740     VOLUME   500649.036 3602516.303 0.0
   LOCATION L0003741     VOLUME   500614.888 3602495.472 0.0
   LOCATION L0003742     VOLUME   500577.886 3602480.595 0.0
   LOCATION L0003743     VOLUME   500539.961 3602468.078 0.0
   LOCATION L0003744     VOLUME   500500.801 3602459.922 0.0
   LOCATION L0003745     VOLUME   500461.346 3602454.122 0.0
   LOCATION L0003746     VOLUME   500421.385 3602452.365 0.0
   LOCATION L0003747     VOLUME   500381.424 3602450.609 0.0
   LOCATION L0003748     VOLUME   500341.425 3602450.254 0.0
   LOCATION L0003749     VOLUME   500301.427 3602449.920 0.0
** End of LINE VOLUME Source ID = AIRWAY_A
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SEMPRE_A
** DESCRSRC Simpre Viva Rd  Paseo de las Americas to SR-905
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 136.2928907
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 6
** 506013.40, 3602159.82, 0.00, 4.27, 18.60
** 505963.36, 3602159.59, 0.00, 4.27, 18.60
** 505900.59, 3602152.40, 0.00, 4.27, 18.60
** 505861.29, 3602142.26, 0.00, 4.27, 18.60
** 505820.91, 3602118.56, 0.00, 4.27, 18.60
** 505643.93, 3601999.70, 0.00, 4.27, 18.60
** ---------------------------------------------------------------------
   LOCATION L0003750     VOLUME   505993.399 3602159.729 0.0
   LOCATION L0003751     VOLUME   505953.464 3602158.452 0.0
   LOCATION L0003752     VOLUME   505913.724 3602153.901 0.0
   LOCATION L0003753     VOLUME   505874.659 3602145.706 0.0
   LOCATION L0003754     VOLUME   505838.700 3602128.999 0.0
   LOCATION L0003755     VOLUME   505804.828 3602107.757 0.0
   LOCATION L0003756     VOLUME   505771.622 3602085.456 0.0
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   LOCATION L0003757     VOLUME   505738.415 3602063.156 0.0
   LOCATION L0003758     VOLUME   505705.208 3602040.855 0.0
   LOCATION L0003759     VOLUME   505672.001 3602018.555 0.0
** End of LINE VOLUME Source ID = SEMPRE_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SIMPRE_B
** DESCRSRC Simpre Viva Rd I-905 to Otay Center
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 129.8027531
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 6
** 505643.80, 3601999.73, 0.00, 4.27, 18.60
** 505411.63, 3601836.76, 0.00, 4.27, 18.60
** 505322.64, 3601784.06, 0.00, 4.27, 18.60
** 505279.51, 3601764.21, 0.00, 4.27, 18.60
** 505183.00, 3601738.88, 0.00, 4.27, 18.60
** 505146.03, 3601738.88, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0003760     VOLUME   505627.431 3601988.237 0.0
   LOCATION L0003761     VOLUME   505594.691 3601965.257 0.0
   LOCATION L0003762     VOLUME   505561.951 3601942.277 0.0
   LOCATION L0003763     VOLUME   505529.211 3601919.296 0.0
   LOCATION L0003764     VOLUME   505496.471 3601896.316 0.0
   LOCATION L0003765     VOLUME   505463.731 3601873.336 0.0
   LOCATION L0003766     VOLUME   505430.991 3601850.356 0.0
   LOCATION L0003767     VOLUME   505397.566 3601828.436 0.0
   LOCATION L0003768     VOLUME   505363.150 3601808.051 0.0
   LOCATION L0003769     VOLUME   505328.734 3601787.666 0.0
   LOCATION L0003770     VOLUME   505292.739 3601770.292 0.0
   LOCATION L0003771     VOLUME   505254.906 3601757.747 0.0
   LOCATION L0003772     VOLUME   505216.216 3601747.595 0.0
   LOCATION L0003773     VOLUME   505177.341 3601738.878 0.0
** End of LINE VOLUME Source ID = SIMPRE_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAY_VLLY_A
** DESCRSRC Otay Valley Rd Main to Avenida De Las Vista
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 179.5604751
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 6
** 499484.79, 3606165.58, 0.00, 4.27, 23.26
** 499736.78, 3605436.57, 0.00, 4.27, 23.26
** 499824.09, 3605382.01, 0.00, 4.27, 23.26
** 499917.94, 3605161.55, 0.00, 4.27, 23.26
** 499922.31, 3604862.52, 0.00, 4.27, 23.26
** 499963.78, 3604674.81, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0003774     VOLUME   499492.958 3606141.952 0.0
   LOCATION L0003775     VOLUME   499509.292 3606094.695 0.0
   LOCATION L0003776     VOLUME   499525.627 3606047.439 0.0
   LOCATION L0003777     VOLUME   499541.961 3606000.182 0.0
   LOCATION L0003778     VOLUME   499558.296 3605952.926 0.0
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   LOCATION L0003779     VOLUME   499574.631 3605905.669 0.0
   LOCATION L0003780     VOLUME   499590.965 3605858.413 0.0
   LOCATION L0003781     VOLUME   499607.300 3605811.156 0.0
   LOCATION L0003782     VOLUME   499623.635 3605763.900 0.0
   LOCATION L0003783     VOLUME   499639.969 3605716.643 0.0
   LOCATION L0003784     VOLUME   499656.304 3605669.387 0.0
   LOCATION L0003785     VOLUME   499672.639 3605622.130 0.0
   LOCATION L0003786     VOLUME   499688.973 3605574.874 0.0
   LOCATION L0003787     VOLUME   499705.308 3605527.617 0.0
   LOCATION L0003788     VOLUME   499721.643 3605480.361 0.0
   LOCATION L0003789     VOLUME   499739.892 3605434.628 0.0
   LOCATION L0003790     VOLUME   499782.291 3605408.129 0.0
   LOCATION L0003791     VOLUME   499824.366 3605381.350 0.0
   LOCATION L0003792     VOLUME   499843.952 3605335.346 0.0
   LOCATION L0003793     VOLUME   499863.538 3605289.342 0.0
   LOCATION L0003794     VOLUME   499883.124 3605243.337 0.0
   LOCATION L0003795     VOLUME   499902.710 3605197.333 0.0
   LOCATION L0003796     VOLUME   499918.105 3605150.442 0.0
   LOCATION L0003797     VOLUME   499918.834 3605100.447 0.0
   LOCATION L0003798     VOLUME   499919.564 3605050.453 0.0
   LOCATION L0003799     VOLUME   499920.294 3605000.458 0.0
   LOCATION L0003800     VOLUME   499921.024 3604950.463 0.0
   LOCATION L0003801     VOLUME   499921.754 3604900.469 0.0
   LOCATION L0003802     VOLUME   499924.907 3604850.756 0.0
   LOCATION L0003803     VOLUME   499935.694 3604801.934 0.0
   LOCATION L0003804     VOLUME   499946.480 3604753.111 0.0
   LOCATION L0003805     VOLUME   499957.267 3604704.288 0.0
** End of LINE VOLUME Source ID = OTAY_VLLY_A
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OTAYVLLY_B
** DESCRSRC Otay Valley Rd - Avenida De Las Vistas to Datsun St
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 163.335131
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 3
** 499963.81, 3604674.58, 0.00, 4.27, 23.26
** 500127.01, 3604037.48, 0.00, 4.27, 23.26
** 500192.82, 3603832.01, 0.00, 4.27, 23.26
** ----------------------------------------------------------------------
   LOCATION L0003806     VOLUME   499970.016 3604650.363 0.0
   LOCATION L0003807     VOLUME   499982.424 3604601.927 0.0
   LOCATION L0003808     VOLUME   499994.831 3604553.491 0.0
   LOCATION L0003809     VOLUME   500007.238 3604505.054 0.0
   LOCATION L0003810     VOLUME   500019.645 3604456.618 0.0
   LOCATION L0003811     VOLUME   500032.052 3604408.182 0.0
   LOCATION L0003812     VOLUME   500044.459 3604359.746 0.0
   LOCATION L0003813     VOLUME   500056.867 3604311.310 0.0
   LOCATION L0003814     VOLUME   500069.274 3604262.874 0.0
   LOCATION L0003815     VOLUME   500081.681 3604214.437 0.0
   LOCATION L0003816     VOLUME   500094.088 3604166.001 0.0
   LOCATION L0003817     VOLUME   500106.495 3604117.565 0.0
   LOCATION L0003818     VOLUME   500118.903 3604069.129 0.0
   LOCATION L0003819     VOLUME   500132.296 3604020.977 0.0
   LOCATION L0003820     VOLUME   500147.548 3603973.360 0.0
   LOCATION L0003821     VOLUME   500162.800 3603925.743 0.0
   LOCATION L0003822     VOLUME   500178.052 3603878.126 0.0
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```
** End of LINE VOLUME Source ID = OTAYVLLY_B
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = BRITANNIA
** DESCRSRC Britannia Rd I-905 to Airway Rd
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 136.2928907
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 501899.95, 3602983.67, 0.00, 0.00, 18.60
** 501897.37, 3602585.68, 0.00, 0.00, 18.60
** ----------------------------------------------------------------------
   LOCATION L0003823     VOLUME   501899.819 3602963.673 0.0
   LOCATION L0003824     VOLUME   501899.560 3602923.674 0.0
   LOCATION L0003825     VOLUME   501899.300 3602883.675 0.0
   LOCATION L0003826     VOLUME   501899.041 3602843.676 0.0
   LOCATION L0003827     VOLUME   501898.781 3602803.677 0.0
   LOCATION L0003828     VOLUME   501898.521 3602763.677 0.0
   LOCATION L0003829     VOLUME   501898.262 3602723.678 0.0
   LOCATION L0003830     VOLUME   501898.002 3602683.679 0.0
   LOCATION L0003831     VOLUME   501897.743 3602643.680 0.0
   LOCATION L0003832     VOLUME   501897.483 3602603.681 0.0
** End of LINE VOLUME Source ID = BRITANNIA
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = LA_MEDIA
** DESCRSRC La Media Rd I-905 to Airway Rd
** PREFIX
** Length of Side = 40.00
** Configuration = Adjacent
** Emission Rate = 138.4562699
** Vertical Dimension = 12.80
** SZINIT = 5.95
** Nodes = 2
** 503523.52, 3602979.00, 0.00, 4.27, 18.60
** 503531.27, 3602574.83, 0.00, 4.27, 18.60
** ----------------------------------------------------------------------
   LOCATION L0003851     VOLUME   503523.903 3602959.008 0.0
   LOCATION L0003852     VOLUME   503524.671 3602919.015 0.0
   LOCATION L0003853     VOLUME   503525.438 3602879.023 0.0
   LOCATION L0003854     VOLUME   503526.205 3602839.030 0.0
   LOCATION L0003855     VOLUME   503526.973 3602799.038 0.0
   LOCATION L0003856     VOLUME   503527.740 3602759.045 0.0
   LOCATION L0003857     VOLUME   503528.508 3602719.052 0.0
   LOCATION L0003858     VOLUME   503529.275 3602679.060 0.0
   LOCATION L0003859     VOLUME   503530.042 3602639.067 0.0
   LOCATION L0003860     VOLUME   503530.810 3602599.074 0.0
** End of LINE VOLUME Source ID = LA_MEDIA
** Source Parameters **
** LINE VOLUME Source ID = I_905_A
   SRCPARAM L0002912         6.202      4.27     23.26      5.95
   SRCPARAM L0002913         6.202      4.27     23.26      5.95
   SRCPARAM L0002914         6.202      4.27     23.26      5.95
   SRCPARAM L0002915         6.202      4.27     23.26      5.95
   SRCPARAM L0002916         6.202      4.27     23.26      5.95
   SRCPARAM L0002917         6.202      4.27     23.26      5.95
   SRCPARAM L0002918         6.202      4.27     23.26      5.95
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   SRCPARAM L0002919         6.202      4.27     23.26      5.95
   SRCPARAM L0002920         6.202      4.27     23.26      5.95
   SRCPARAM L0002921         6.202      4.27     23.26      5.95
   SRCPARAM L0002922         6.202      4.27     23.26      5.95
   SRCPARAM L0002923         6.202      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_B
   SRCPARAM L0002924         8.159      4.27     23.26      5.95
   SRCPARAM L0002925         8.159      4.27     23.26      5.95
   SRCPARAM L0002926         8.159      4.27     23.26      5.95
   SRCPARAM L0002927         8.159      4.27     23.26      5.95
   SRCPARAM L0002928         8.159      4.27     23.26      5.95
   SRCPARAM L0002929         8.159      4.27     23.26      5.95
   SRCPARAM L0002930         8.159      4.27     23.26      5.95
   SRCPARAM L0002931         8.159      4.27     23.26      5.95
   SRCPARAM L0002932         8.159      4.27     23.26      5.95
   SRCPARAM L0002933         8.159      4.27     23.26      5.95
   SRCPARAM L0002934         8.159      4.27     23.26      5.95
   SRCPARAM L0002935         8.159      4.27     23.26      5.95
   SRCPARAM L0002936         8.159      4.27     23.26      5.95
   SRCPARAM L0002937         8.159      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_C
   SRCPARAM L0002938         3.228      4.27     23.26      5.95
   SRCPARAM L0002939         3.228      4.27     23.26      5.95
   SRCPARAM L0002940         3.228      4.27     23.26      5.95
   SRCPARAM L0002941         3.228      4.27     23.26      5.95
   SRCPARAM L0002942         3.228      4.27     23.26      5.95
   SRCPARAM L0002943         3.228      4.27     23.26      5.95
   SRCPARAM L0002944         3.228      4.27     23.26      5.95
   SRCPARAM L0002945         3.228      4.27     23.26      5.95
   SRCPARAM L0002946         3.228      4.27     23.26      5.95
   SRCPARAM L0002947         3.228      4.27     23.26      5.95
   SRCPARAM L0002948         3.228      4.27     23.26      5.95
   SRCPARAM L0002949         3.228      4.27     23.26      5.95
   SRCPARAM L0002950         3.228      4.27     23.26      5.95
   SRCPARAM L0002951         3.228      4.27     23.26      5.95
   SRCPARAM L0002952         3.228      4.27     23.26      5.95
   SRCPARAM L0002953         3.228      4.27     23.26      5.95
   SRCPARAM L0002954         3.228      4.27     23.26      5.95
   SRCPARAM L0002955         3.228      4.27     23.26      5.95
   SRCPARAM L0002956         3.228      4.27     23.26      5.95
   SRCPARAM L0002957         3.228      4.27     23.26      5.95
   SRCPARAM L0002958         3.228      4.27     23.26      5.95
   SRCPARAM L0002959         3.228      4.27     23.26      5.95
   SRCPARAM L0002960         3.228      4.27     23.26      5.95
   SRCPARAM L0002961         3.228      4.27     23.26      5.95
   SRCPARAM L0002962         3.228      4.27     23.26      5.95
   SRCPARAM L0002963         3.228      4.27     23.26      5.95
   SRCPARAM L0002964         3.228      4.27     23.26      5.95
   SRCPARAM L0002965         3.228      4.27     23.26      5.95
   SRCPARAM L0002966         3.228      4.27     23.26      5.95
   SRCPARAM L0002967         3.228      4.27     23.26      5.95
   SRCPARAM L0002968         3.228      4.27     23.26      5.95
   SRCPARAM L0002969         3.228      4.27     23.26      5.95
   SRCPARAM L0002970         3.228      4.27     23.26      5.95
   SRCPARAM L0002971         3.228      4.27     23.26      5.95
   SRCPARAM L0002972         3.228      4.27     23.26      5.95
   SRCPARAM L0002973         3.228      4.27     23.26      5.95
   SRCPARAM L0002974         3.228      4.27     23.26      5.95
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** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_H
   SRCPARAM L0003123         6.219      0.00     23.26      5.95
   SRCPARAM L0003124         6.219      0.00     23.26      5.95
   SRCPARAM L0003125         6.219      0.00     23.26      5.95
   SRCPARAM L0003126         6.219      0.00     23.26      5.95
   SRCPARAM L0003127         6.219      0.00     23.26      5.95
   SRCPARAM L0003128         6.219      0.00     23.26      5.95
   SRCPARAM L0003129         6.219      0.00     23.26      5.95
   SRCPARAM L0003130         6.219      0.00     23.26      5.95
   SRCPARAM L0003131         6.219      0.00     23.26      5.95
   SRCPARAM L0003132         6.219      0.00     23.26      5.95
   SRCPARAM L0003133         6.219      0.00     23.26      5.95
   SRCPARAM L0003134         6.219      0.00     23.26      5.95
   SRCPARAM L0003135         6.219      0.00     23.26      5.95
   SRCPARAM L0003136         6.219      0.00     23.26      5.95
   SRCPARAM L0003137         6.219      0.00     23.26      5.95
   SRCPARAM L0003138         6.219      0.00     23.26      5.95
   SRCPARAM L0003139         6.219      0.00     23.26      5.95
   SRCPARAM L0003140         6.219      0.00     23.26      5.95
   SRCPARAM L0003141         6.219      0.00     23.26      5.95
   SRCPARAM L0003142         6.219      0.00     23.26      5.95
   SRCPARAM L0003143         6.219      0.00     23.26      5.95
   SRCPARAM L0003144         6.219      0.00     23.26      5.95
   SRCPARAM L0003145         6.219      0.00     23.26      5.95
   SRCPARAM L0003146         6.219      0.00     23.26      5.95
   SRCPARAM L0003147         6.219      0.00     23.26      5.95
   SRCPARAM L0003148         6.219      0.00     23.26      5.95
   SRCPARAM L0003149         6.219      0.00     23.26      5.95
   SRCPARAM L0003150         6.219      0.00     23.26      5.95
   SRCPARAM L0003151         6.219      0.00     23.26      5.95
   SRCPARAM L0003152         6.219      0.00     23.26      5.95
   SRCPARAM L0003153         6.219      0.00     23.26      5.95
   SRCPARAM L0003154         6.219      0.00     23.26      5.95
   SRCPARAM L0003155         6.219      0.00     23.26      5.95
   SRCPARAM L0003156         6.219      0.00     23.26      5.95
   SRCPARAM L0003157         6.219      0.00     23.26      5.95
   SRCPARAM L0003158         6.219      0.00     23.26      5.95
   SRCPARAM L0003159         6.219      0.00     23.26      5.95
   SRCPARAM L0003160         6.219      0.00     23.26      5.95
   SRCPARAM L0003161         6.219      0.00     23.26      5.95
   SRCPARAM L0003162         6.219      0.00     23.26      5.95
   SRCPARAM L0003163         6.219      0.00     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_805_C
   SRCPARAM L0003265         7.318      4.27     23.26      5.95
   SRCPARAM L0003266         7.318      4.27     23.26      5.95
   SRCPARAM L0003267         7.318      4.27     23.26      5.95
   SRCPARAM L0003268         7.318      4.27     23.26      5.95
   SRCPARAM L0003269         7.318      4.27     23.26      5.95
   SRCPARAM L0003270         7.318      4.27     23.26      5.95
   SRCPARAM L0003271         7.318      4.27     23.26      5.95
   SRCPARAM L0003272         7.318      4.27     23.26      5.95
   SRCPARAM L0003273         7.318      4.27     23.26      5.95
   SRCPARAM L0003274         7.318      4.27     23.26      5.95
   SRCPARAM L0003275         7.318      4.27     23.26      5.95
   SRCPARAM L0003276         7.318      4.27     23.26      5.95
   SRCPARAM L0003277         7.318      4.27     23.26      5.95
   SRCPARAM L0003278         7.318      4.27     23.26      5.95
   SRCPARAM L0003279         7.318      4.27     23.26      5.95
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   SRCPARAM L0003280         7.318      4.27     23.26      5.95
   SRCPARAM L0003281         7.318      4.27     23.26      5.95
   SRCPARAM L0003282         7.318      4.27     23.26      5.95
   SRCPARAM L0003283         7.318      4.27     23.26      5.95
   SRCPARAM L0003284         7.318      4.27     23.26      5.95
   SRCPARAM L0003285         7.318      4.27     23.26      5.95
   SRCPARAM L0003286         7.318      4.27     23.26      5.95
   SRCPARAM L0003287         7.318      4.27     23.26      5.95
   SRCPARAM L0003288         7.318      4.27     23.26      5.95
   SRCPARAM L0003289         7.318      4.27     23.26      5.95
   SRCPARAM L0003290         7.318      4.27     23.26      5.95
   SRCPARAM L0003291         7.318      4.27     23.26      5.95
   SRCPARAM L0003292         7.318      4.27     23.26      5.95
   SRCPARAM L0003293         7.318      4.27     23.26      5.95
   SRCPARAM L0003294         7.318      4.27     23.26      5.95
   SRCPARAM L0003295         7.318      4.27     23.26      5.95
   SRCPARAM L0003296         7.318      4.27     23.26      5.95
   SRCPARAM L0003297         7.318      4.27     23.26      5.95
   SRCPARAM L0003298         7.318      4.27     23.26      5.95
   SRCPARAM L0003299         7.318      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_805_D
   SRCPARAM L0003300        11.45      4.27     23.26      5.95
   SRCPARAM L0003301        11.45      4.27     23.26      5.95
   SRCPARAM L0003302        11.45      4.27     23.26      5.95
   SRCPARAM L0003303        11.45      4.27     23.26      5.95
   SRCPARAM L0003304        11.45      4.27     23.26      5.95
   SRCPARAM L0003305        11.45      4.27     23.26      5.95
   SRCPARAM L0003306        11.45      4.27     23.26      5.95
   SRCPARAM L0003307        11.45      4.27     23.26      5.95
   SRCPARAM L0003308        11.45      4.27     23.26      5.95
   SRCPARAM L0003309        11.45      4.27     23.26      5.95
   SRCPARAM L0003310        11.45      4.27     23.26      5.95
   SRCPARAM L0003311        11.45      4.27     23.26      5.95
   SRCPARAM L0003312        11.45      4.27     23.26      5.95
   SRCPARAM L0003313        11.45      4.27     23.26      5.95
   SRCPARAM L0003314        11.45      4.27     23.26      5.95
   SRCPARAM L0003315        11.45      4.27     23.26      5.95
   SRCPARAM L0003316        11.45      4.27     23.26      5.95
   SRCPARAM L0003317        11.45      4.27     23.26      5.95
   SRCPARAM L0003318        11.45      4.27     23.26      5.95
   SRCPARAM L0003319        11.45      4.27     23.26      5.95
   SRCPARAM L0003320        11.45      4.27     23.26      5.95
   SRCPARAM L0003321        11.45      4.27     23.26      5.95
   SRCPARAM L0003322        11.45      4.27     23.26      5.95
   SRCPARAM L0003323        11.45      4.27     23.26      5.95
   SRCPARAM L0003324        11.45      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MEASA_A
   SRCPARAM L0003510         7.842      4.27     18.60      5.95
   SRCPARAM L0003511         7.842      4.27     18.60      5.95
   SRCPARAM L0003512         7.842      4.27     18.60      5.95
   SRCPARAM L0003513         7.842      4.27     18.60      5.95
   SRCPARAM L0003514         7.842      4.27     18.60      5.95
   SRCPARAM L0003515         7.842      4.27     18.60      5.95
   SRCPARAM L0003516         7.842      4.27     18.60      5.95
   SRCPARAM L0003517         7.842      4.27     18.60      5.95
   SRCPARAM L0003518         7.842      4.27     18.60      5.95
   SRCPARAM L0003519         7.842      4.27     18.60      5.95
   SRCPARAM L0003520         7.842      4.27     18.60      5.95
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   SRCPARAM L0003521         7.842      4.27     18.60      5.95
   SRCPARAM L0003522         7.842      4.27     18.60      5.95
   SRCPARAM L0003523         7.842      4.27     18.60      5.95
   SRCPARAM L0003524         7.842      4.27     18.60      5.95
   SRCPARAM L0003525         7.842      4.27     18.60      5.95
   SRCPARAM L0003526         7.842      4.27     18.60      5.95
   SRCPARAM L0003527         7.842      4.27     18.60      5.95
   SRCPARAM L0003528         7.842      4.27     18.60      5.95
   SRCPARAM L0003529         7.842      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_B
   SRCPARAM L0003530         11.14      4.27     18.60      5.95
   SRCPARAM L0003531         11.14      4.27     18.60      5.95
   SRCPARAM L0003532         11.14      4.27     18.60      5.95
   SRCPARAM L0003533         11.14      4.27     18.60      5.95
   SRCPARAM L0003534         11.14      4.27     18.60      5.95
   SRCPARAM L0003535         11.14      4.27     18.60      5.95
   SRCPARAM L0003536         11.14      4.27     18.60      5.95
   SRCPARAM L0003537         11.14      4.27     18.60      5.95
   SRCPARAM L0003538         11.14      4.27     18.60      5.95
   SRCPARAM L0003539         11.14      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MES_C
   SRCPARAM L0003540         10.06      4.27     18.60      5.95
   SRCPARAM L0003541         10.06      4.27     18.60      5.95
   SRCPARAM L0003542         10.06      4.27     18.60      5.95
   SRCPARAM L0003543         10.06      4.27     18.60      5.95
   SRCPARAM L0003544         10.06      4.27     18.60      5.95
   SRCPARAM L0003545         10.06      4.27     18.60      5.95
   SRCPARAM L0003546         10.06      4.27     18.60      5.95
   SRCPARAM L0003547         10.06      4.27     18.60      5.95
   SRCPARAM L0003548         10.06      4.27     18.60      5.95
   SRCPARAM L0003549         10.06      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_D
   SRCPARAM L0003550         8.275      4.27     18.60      5.95
   SRCPARAM L0003551         8.275      4.27     18.60      5.95
   SRCPARAM L0003552         8.275      4.27     18.60      5.95
   SRCPARAM L0003553         8.275      4.27     18.60      5.95
   SRCPARAM L0003554         8.275      4.27     18.60      5.95
   SRCPARAM L0003555         8.275      4.27     18.60      5.95
   SRCPARAM L0003556         8.275      4.27     18.60      5.95
   SRCPARAM L0003557         8.275      4.27     18.60      5.95
   SRCPARAM L0003558         8.275      4.27     18.60      5.95
   SRCPARAM L0003559         8.275      4.27     18.60      5.95
   SRCPARAM L0003560         8.275      4.27     18.60      5.95
   SRCPARAM L0003561         8.275      4.27     18.60      5.95
   SRCPARAM L0003562         8.275      4.27     18.60      5.95
   SRCPARAM L0003563         8.275      4.27     18.60      5.95
   SRCPARAM L0003564         8.275      4.27     18.60      5.95
   SRCPARAM L0003565         8.275      4.27     18.60      5.95
   SRCPARAM L0003566         8.275      4.27     18.60      5.95
   SRCPARAM L0003567         8.275      4.27     18.60      5.95
   SRCPARAM L0003568         8.275      4.27     18.60      5.95
   SRCPARAM L0003569         8.275      4.27     18.60      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_E
   SRCPARAM L0003570         4.759      4.27     18.60      5.95
   SRCPARAM L0003571         4.759      4.27     18.60      5.95
   SRCPARAM L0003572         4.759      4.27     18.60      5.95
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   SRCPARAM L0003573         4.759      4.27     18.60      5.95
   SRCPARAM L0003574         4.759      4.27     18.60      5.95
   SRCPARAM L0003575         4.759      4.27     18.60      5.95
   SRCPARAM L0003576         4.759      4.27     18.60      5.95
   SRCPARAM L0003577         4.759      4.27     18.60      5.95
   SRCPARAM L0003578         4.759      4.27     18.60      5.95
   SRCPARAM L0003579         4.759      4.27     18.60      5.95
   SRCPARAM L0003580         4.759      4.27     18.60      5.95
   SRCPARAM L0003581         4.759      4.27     18.60      5.95
   SRCPARAM L0003582         4.759      4.27     18.60      5.95
   SRCPARAM L0003583         4.759      4.27     18.60      5.95
   SRCPARAM L0003584         4.759      4.27     18.60      5.95
   SRCPARAM L0003585         4.759      4.27     18.60      5.95
   SRCPARAM L0003586         4.759      4.27     18.60      5.95
   SRCPARAM L0003587         4.759      4.27     18.60      5.95
   SRCPARAM L0003588         4.759      4.27     18.60      5.95
   SRCPARAM L0003589         4.759      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_F
   SRCPARAM L0003590         2.665      4.27     18.60      5.95
   SRCPARAM L0003591         2.665      4.27     18.60      5.95
   SRCPARAM L0003592         2.665      4.27     18.60      5.95
   SRCPARAM L0003593         2.665      4.27     18.60      5.95
   SRCPARAM L0003594         2.665      4.27     18.60      5.95
   SRCPARAM L0003595         2.665      4.27     18.60      5.95
   SRCPARAM L0003596         2.665      4.27     18.60      5.95
   SRCPARAM L0003597         2.665      4.27     18.60      5.95
   SRCPARAM L0003598         2.665      4.27     18.60      5.95
   SRCPARAM L0003599         2.665      4.27     18.60      5.95
   SRCPARAM L0003600         2.665      4.27     18.60      5.95
   SRCPARAM L0003601         2.665      4.27     18.60      5.95
   SRCPARAM L0003602         2.665      4.27     18.60      5.95
   SRCPARAM L0003603         2.665      4.27     18.60      5.95
   SRCPARAM L0003604         2.665      4.27     18.60      5.95
   SRCPARAM L0003605         2.665      4.27     18.60      5.95
   SRCPARAM L0003606         2.665      4.27     18.60      5.95
   SRCPARAM L0003607         2.665      4.27     18.60      5.95
   SRCPARAM L0003608         2.665      4.27     18.60      5.95
   SRCPARAM L0003609         2.665      4.27     18.60      5.95
   SRCPARAM L0003610         2.665      4.27     18.60      5.95
   SRCPARAM L0003611         2.665      4.27     18.60      5.95
   SRCPARAM L0003612         2.665      4.27     18.60      5.95
   SRCPARAM L0003613         2.665      4.27     18.60      5.95
   SRCPARAM L0003614         2.665      4.27     18.60      5.95
   SRCPARAM L0003615         2.665      4.27     18.60      5.95
   SRCPARAM L0003616         2.665      4.27     18.60      5.95
   SRCPARAM L0003617         2.665      4.27     18.60      5.95
   SRCPARAM L0003618         2.665      4.27     18.60      5.95
   SRCPARAM L0003619         2.665      4.27     18.60      5.95
   SRCPARAM L0003620         2.665      4.27     18.60      5.95
   SRCPARAM L0003621         2.665      4.27     18.60      5.95
   SRCPARAM L0003622         2.665      4.27     18.60      5.95
   SRCPARAM L0003623         2.665      4.27     18.60      5.95
   SRCPARAM L0003624         2.665      4.27     18.60      5.95
   SRCPARAM L0003625         2.665      4.27     18.60      5.95
   SRCPARAM L0003626         2.665      4.27     18.60      5.95
   SRCPARAM L0003627         2.665      4.27     18.60      5.95
   SRCPARAM L0003628         2.665      4.27     18.60      5.95
   SRCPARAM L0003629         2.665      4.27     18.60      5.95
   SRCPARAM L0003630         2.665      4.27     18.60      5.95
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** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_D
   SRCPARAM L0002810         5.552      4.27     23.26      1.98
   SRCPARAM L0002811         5.552      4.27     23.26      1.98
   SRCPARAM L0002812         5.552      4.27     23.26      1.98
   SRCPARAM L0002813         5.552      4.27     23.26      1.98
   SRCPARAM L0002814         5.552      4.27     23.26      1.98
   SRCPARAM L0002815         5.552      4.27     23.26      1.98
   SRCPARAM L0002816         5.552      4.27     23.26      1.98
   SRCPARAM L0002817         5.552      4.27     23.26      1.98
   SRCPARAM L0002818         5.552      4.27     23.26      1.98
   SRCPARAM L0002819         5.552      4.27     23.26      1.98
   SRCPARAM L0002820         5.552      4.27     23.26      1.98
   SRCPARAM L0002821         5.552      4.27     23.26      1.98
   SRCPARAM L0002822         5.552      4.27     23.26      1.98
   SRCPARAM L0002823         5.552      4.27     23.26      1.98
   SRCPARAM L0002824         5.552      4.27     23.26      1.98
   SRCPARAM L0002825         5.552      4.27     23.26      1.98
   SRCPARAM L0002826         5.552      4.27     23.26      1.98
   SRCPARAM L0002827         5.552      4.27     23.26      1.98
   SRCPARAM L0002828         5.552      4.27     23.26      1.98
   SRCPARAM L0002829         5.552      4.27     23.26      1.98
   SRCPARAM L0002830         5.552      4.27     23.26      1.98
   SRCPARAM L0002831         5.552      4.27     23.26      1.98
   SRCPARAM L0002832         5.552      4.27     23.26      1.98
   SRCPARAM L0002833         5.552      4.27     23.26      1.98
   SRCPARAM L0002834         5.552      4.27     23.26      1.98
   SRCPARAM L0002835         5.552      4.27     23.26      1.98
   SRCPARAM L0002836         5.552      4.27     23.26      1.98
   SRCPARAM L0002837         5.552      4.27     23.26      1.98
   SRCPARAM L0002838         5.552      4.27     23.26      1.98
   SRCPARAM L0002839         5.552      4.27     23.26      1.98
   SRCPARAM L0002840         5.552      4.27     23.26      1.98
   SRCPARAM L0002841         5.552      4.27     23.26      1.98
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_E
   SRCPARAM L0002975        12.48      4.27     23.26      5.95
   SRCPARAM L0002976        12.48      4.27     23.26      5.95
   SRCPARAM L0002977        12.48      4.27     23.26      5.95
   SRCPARAM L0002978        12.48      4.27     23.26      5.95
   SRCPARAM L0002979        12.48      4.27     23.26      5.95
   SRCPARAM L0002980        12.48      4.27     23.26      5.95
   SRCPARAM L0002981        12.48      4.27     23.26      5.95
   SRCPARAM L0002982        12.48      4.27     23.26      5.95
   SRCPARAM L0002983        12.48      4.27     23.26      5.95
   SRCPARAM L0002984        12.48      4.27     23.26      5.95
   SRCPARAM L0002985        12.48      4.27     23.26      5.95
   SRCPARAM L0002986        12.48      4.27     23.26      5.95
   SRCPARAM L0002987        12.48      4.27     23.26      5.95
   SRCPARAM L0002988        12.48      4.27     23.26      5.95
   SRCPARAM L0002989        12.48      4.27     23.26      5.95
   SRCPARAM L0002990        12.48      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_I
   SRCPARAM L0002991        12.48      4.27     23.26      5.95
   SRCPARAM L0002992        12.48      4.27     23.26      5.95
   SRCPARAM L0002993        12.48      4.27     23.26      5.95
   SRCPARAM L0002994        12.48      4.27     23.26      5.95
   SRCPARAM L0002995        12.48      4.27     23.26      5.95
   SRCPARAM L0002996        12.48      4.27     23.26      5.95
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   SRCPARAM L0002997         12.48      4.27     23.26      5.95
   SRCPARAM L0002998         12.48      4.27     23.26      5.95
   SRCPARAM L0002999         12.48      4.27     23.26      5.95
   SRCPARAM L0003000         12.48      4.27     23.26      5.95
   SRCPARAM L0003001         12.48      4.27     23.26      5.95
   SRCPARAM L0003002         12.48      4.27     23.26      5.95
   SRCPARAM L0003003         12.48      4.27     23.26      5.95
   SRCPARAM L0003004         12.48      4.27     23.26      5.95
   SRCPARAM L0003005         12.48      4.27     23.26      5.95
   SRCPARAM L0003006         12.48      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_F
   SRCPARAM L0003007         6.651      4.27     23.26      5.95
   SRCPARAM L0003008         6.651      4.27     23.26      5.95
   SRCPARAM L0003009         6.651      4.27     23.26      5.95
   SRCPARAM L0003010         6.651      4.27     23.26      5.95
   SRCPARAM L0003011         6.651      4.27     23.26      5.95
   SRCPARAM L0003012         6.651      4.27     23.26      5.95
   SRCPARAM L0003013         6.651      4.27     23.26      5.95
   SRCPARAM L0003014         6.651      4.27     23.26      5.95
   SRCPARAM L0003015         6.651      4.27     23.26      5.95
   SRCPARAM L0003016         6.651      4.27     23.26      5.95
   SRCPARAM L0003017         6.651      4.27     23.26      5.95
   SRCPARAM L0003018         6.651      4.27     23.26      5.95
   SRCPARAM L0003019         6.651      4.27     23.26      5.95
   SRCPARAM L0003020         6.651      4.27     23.26      5.95
   SRCPARAM L0003021         6.651      4.27     23.26      5.95
   SRCPARAM L0003022         6.651      4.27     23.26      5.95
   SRCPARAM L0003023         6.651      4.27     23.26      5.95
   SRCPARAM L0003024         6.651      4.27     23.26      5.95
   SRCPARAM L0003025         6.651      4.27     23.26      5.95
   SRCPARAM L0003026         6.651      4.27     23.26      5.95
   SRCPARAM L0003027         6.651      4.27     23.26      5.95
   SRCPARAM L0003028         6.651      4.27     23.26      5.95
   SRCPARAM L0003029         6.651      4.27     23.26      5.95
   SRCPARAM L0003030         6.651      4.27     23.26      5.95
   SRCPARAM L0003031         6.651      4.27     23.26      5.95
   SRCPARAM L0003032         6.651      4.27     23.26      5.95
   SRCPARAM L0003033         6.651      4.27     23.26      5.95
   SRCPARAM L0003034         6.651      4.27     23.26      5.95
   SRCPARAM L0003035         6.651      4.27     23.26      5.95
   SRCPARAM L0003036         6.651      4.27     23.26      5.95
   SRCPARAM L0003037         6.651      4.27     23.26      5.95
   SRCPARAM L0003038         6.651      4.27     23.26      5.95
   SRCPARAM L0003039         6.651      4.27     23.26      5.95
   SRCPARAM L0003040         6.651      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_905_G
   SRCPARAM L0003164         28.33      4.27     23.26      5.95
   SRCPARAM L0003165         28.33      4.27     23.26      5.95
   SRCPARAM L0003166         28.33      4.27     23.26      5.95
   SRCPARAM L0003167         28.33      4.27     23.26      5.95
   SRCPARAM L0003168         28.33      4.27     23.26      5.95
   SRCPARAM L0003169         28.33      4.27     23.26      5.95
   SRCPARAM L0003170         28.33      4.27     23.26      5.95
   SRCPARAM L0003171         28.33      4.27     23.26      5.95
   SRCPARAM L0003172         28.33      4.27     23.26      5.95
** ------------------------------------------------------------------
** LINE VOLUME Source ID = I_805_A
   SRCPARAM L0003173         6.254      4.27     23.26      5.95
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   SRCPARAM L0003174         6.254      4.27     23.26      5.95
   SRCPARAM L0003175         6.254      4.27     23.26      5.95
   SRCPARAM L0003176         6.254      4.27     23.26      5.95
   SRCPARAM L0003177         6.254      4.27     23.26      5.95
   SRCPARAM L0003178         6.254      4.27     23.26      5.95
   SRCPARAM L0003179         6.254      4.27     23.26      5.95
   SRCPARAM L0003180         6.254      4.27     23.26      5.95
   SRCPARAM L0003181         6.254      4.27     23.26      5.95
   SRCPARAM L0003182         6.254      4.27     23.26      5.95
   SRCPARAM L0003183         6.254      4.27     23.26      5.95
   SRCPARAM L0003184         6.254      4.27     23.26      5.95
   SRCPARAM L0003185         6.254      4.27     23.26      5.95
   SRCPARAM L0003186         6.254      4.27     23.26      5.95
   SRCPARAM L0003187         6.254      4.27     23.26      5.95
   SRCPARAM L0003188         6.254      4.27     23.26      5.95
   SRCPARAM L0003189         6.254      4.27     23.26      5.95
   SRCPARAM L0003190         6.254      4.27     23.26      5.95
   SRCPARAM L0003191         6.254      4.27     23.26      5.95
   SRCPARAM L0003192         6.254      4.27     23.26      5.95
   SRCPARAM L0003193         6.254      4.27     23.26      5.95
   SRCPARAM L0003194         6.254      4.27     23.26      5.95
   SRCPARAM L0003195         6.254      4.27     23.26      5.95
   SRCPARAM L0003196         6.254      4.27     23.26      5.95
   SRCPARAM L0003197         6.254      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = I_805_B
   SRCPARAM L0003325         3.352      4.27     23.26      5.95
   SRCPARAM L0003326         3.352      4.27     23.26      5.95
   SRCPARAM L0003327         3.352      4.27     23.26      5.95
   SRCPARAM L0003328         3.352      4.27     23.26      5.95
   SRCPARAM L0003329         3.352      4.27     23.26      5.95
   SRCPARAM L0003330         3.352      4.27     23.26      5.95
   SRCPARAM L0003331         3.352      4.27     23.26      5.95
   SRCPARAM L0003332         3.352      4.27     23.26      5.95
   SRCPARAM L0003333         3.352      4.27     23.26      5.95
   SRCPARAM L0003334         3.352      4.27     23.26      5.95
   SRCPARAM L0003335         3.352      4.27     23.26      5.95
   SRCPARAM L0003336         3.352      4.27     23.26      5.95
   SRCPARAM L0003337         3.352      4.27     23.26      5.95
   SRCPARAM L0003338         3.352      4.27     23.26      5.95
   SRCPARAM L0003339         3.352      4.27     23.26      5.95
   SRCPARAM L0003340         3.352      4.27     23.26      5.95
   SRCPARAM L0003341         3.352      4.27     23.26      5.95
   SRCPARAM L0003342         3.352      4.27     23.26      5.95
   SRCPARAM L0003343         3.352      4.27     23.26      5.95
   SRCPARAM L0003344         3.352      4.27     23.26      5.95
   SRCPARAM L0003345         3.352      4.27     23.26      5.95
   SRCPARAM L0003346         3.352      4.27     23.26      5.95
   SRCPARAM L0003347         3.352      4.27     23.26      5.95
   SRCPARAM L0003348         3.352      4.27     23.26      5.95
   SRCPARAM L0003349         3.352      4.27     23.26      5.95
   SRCPARAM L0003350         3.352      4.27     23.26      5.95
   SRCPARAM L0003351         3.352      4.27     23.26      5.95
   SRCPARAM L0003352         3.352      4.27     23.26      5.95
   SRCPARAM L0003353         3.352      4.27     23.26      5.95
   SRCPARAM L0003354         3.352      4.27     23.26      5.95
   SRCPARAM L0003355         3.352      4.27     23.26      5.95
   SRCPARAM L0003356         3.352      4.27     23.26      5.95
   SRCPARAM L0003357         3.352      4.27     23.26      5.95
   SRCPARAM L0003358         3.352      4.27     23.26      5.95
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   SRCPARAM L0003359         3.352      4.27     23.26      5.95
   SRCPARAM L0003360         3.352      4.27     23.26      5.95
   SRCPARAM L0003361         3.352      4.27     23.26      5.95
   SRCPARAM L0003362         3.352      4.27     23.26      5.95
   SRCPARAM L0003363         3.352      4.27     23.26      5.95
   SRCPARAM L0003364         3.352      4.27     23.26      5.95
   SRCPARAM L0003365         3.352      4.27     23.26      5.95
   SRCPARAM L0003366         3.352      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SR_125_A
   SRCPARAM L0003367         2.514      4.27     23.26      5.95
   SRCPARAM L0003368         2.514      4.27     23.26      5.95
   SRCPARAM L0003369         2.514      4.27     23.26      5.95
   SRCPARAM L0003370         2.514      4.27     23.26      5.95
   SRCPARAM L0003371         2.514      4.27     23.26      5.95
   SRCPARAM L0003372         2.514      4.27     23.26      5.95
   SRCPARAM L0003373         2.514      4.27     23.26      5.95
   SRCPARAM L0003374         2.514      4.27     23.26      5.95
   SRCPARAM L0003375         2.514      4.27     23.26      5.95
   SRCPARAM L0003376         2.514      4.27     23.26      5.95
   SRCPARAM L0003377         2.514      4.27     23.26      5.95
   SRCPARAM L0003378         2.514      4.27     23.26      5.95
   SRCPARAM L0003379         2.514      4.27     23.26      5.95
   SRCPARAM L0003380         2.514      4.27     23.26      5.95
   SRCPARAM L0003381         2.514      4.27     23.26      5.95
   SRCPARAM L0003382         2.514      4.27     23.26      5.95
   SRCPARAM L0003383         2.514      4.27     23.26      5.95
   SRCPARAM L0003384         2.514      4.27     23.26      5.95
   SRCPARAM L0003385         2.514      4.27     23.26      5.95
   SRCPARAM L0003386         2.514      4.27     23.26      5.95
   SRCPARAM L0003387         2.514      4.27     23.26      5.95
   SRCPARAM L0003388         2.514      4.27     23.26      5.95
   SRCPARAM L0003389         2.514      4.27     23.26      5.95
   SRCPARAM L0003390         2.514      4.27     23.26      5.95
   SRCPARAM L0003391         2.514      4.27     23.26      5.95
   SRCPARAM L0003392         2.514      4.27     23.26      5.95
   SRCPARAM L0003393         2.514      4.27     23.26      5.95
   SRCPARAM L0003394         2.514      4.27     23.26      5.95
   SRCPARAM L0003395         2.514      4.27     23.26      5.95
   SRCPARAM L0003396         2.514      4.27     23.26      5.95
   SRCPARAM L0003397         2.514      4.27     23.26      5.95
   SRCPARAM L0003398         2.514      4.27     23.26      5.95
   SRCPARAM L0003399         2.514      4.27     23.26      5.95
   SRCPARAM L0003400         2.514      4.27     23.26      5.95
   SRCPARAM L0003401         2.514      4.27     23.26      5.95
   SRCPARAM L0003402         2.514      4.27     23.26      5.95
   SRCPARAM L0003403         2.514      4.27     23.26      5.95
   SRCPARAM L0003404         2.514      4.27     23.26      5.95
   SRCPARAM L0003405         2.514      4.27     23.26      5.95
   SRCPARAM L0003406         2.514      4.27     23.26      5.95
   SRCPARAM L0003407         2.514      4.27     23.26      5.95
   SRCPARAM L0003408         2.514      4.27     23.26      5.95
   SRCPARAM L0003409         2.514      4.27     23.26      5.95
   SRCPARAM L0003410         2.514      4.27     23.26      5.95
   SRCPARAM L0003411         2.514      4.27     23.26      5.95
   SRCPARAM L0003412         2.514      4.27     23.26      5.95
   SRCPARAM L0003413         2.514      4.27     23.26      5.95
   SRCPARAM L0003414         2.514      4.27     23.26      5.95
   SRCPARAM L0003415         2.514      4.27     23.26      5.95
   SRCPARAM L0003416         2.514      4.27     23.26      5.95
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   SRCPARAM L0003417         2.514      4.27     23.26      5.95
   SRCPARAM L0003418         2.514      4.27     23.26      5.95
   SRCPARAM L0003419         2.514      4.27     23.26      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SR_125_B
   SRCPARAM L0003420         3.041      4.27     23.26      5.95
   SRCPARAM L0003421         3.041      4.27     23.26      5.95
   SRCPARAM L0003422         3.041      4.27     23.26      5.95
   SRCPARAM L0003423         3.041      4.27     23.26      5.95
   SRCPARAM L0003424         3.041      4.27     23.26      5.95
   SRCPARAM L0003425         3.041      4.27     23.26      5.95
   SRCPARAM L0003426         3.041      4.27     23.26      5.95
   SRCPARAM L0003427         3.041      4.27     23.26      5.95
   SRCPARAM L0003428         3.041      4.27     23.26      5.95
   SRCPARAM L0003429         3.041      4.27     23.26      5.95
   SRCPARAM L0003430         3.041      4.27     23.26      5.95
   SRCPARAM L0003431         3.041      4.27     23.26      5.95
   SRCPARAM L0003432         3.041      4.27     23.26      5.95
   SRCPARAM L0003433         3.041      4.27     23.26      5.95
   SRCPARAM L0003434         3.041      4.27     23.26      5.95
   SRCPARAM L0003435         3.041      4.27     23.26      5.95
   SRCPARAM L0003436         3.041      4.27     23.26      5.95
   SRCPARAM L0003437         3.041      4.27     23.26      5.95
   SRCPARAM L0003438         3.041      4.27     23.26      5.95
   SRCPARAM L0003439         3.041      4.27     23.26      5.95
   SRCPARAM L0003440         3.041      4.27     23.26      5.95
   SRCPARAM L0003441         3.041      4.27     23.26      5.95
   SRCPARAM L0003442         3.041      4.27     23.26      5.95
   SRCPARAM L0003443         3.041      4.27     23.26      5.95
   SRCPARAM L0003444         3.041      4.27     23.26      5.95
   SRCPARAM L0003445         3.041      4.27     23.26      5.95
   SRCPARAM L0003446         3.041      4.27     23.26      5.95
   SRCPARAM L0003447         3.041      4.27     23.26      5.95
   SRCPARAM L0003448         3.041      4.27     23.26      5.95
   SRCPARAM L0003449         3.041      4.27     23.26      5.95
   SRCPARAM L0003450         3.041      4.27     23.26      5.95
   SRCPARAM L0003451         3.041      4.27     23.26      5.95
   SRCPARAM L0003452         3.041      4.27     23.26      5.95
   SRCPARAM L0003453         3.041      4.27     23.26      5.95
   SRCPARAM L0003454         3.041      4.27     23.26      5.95
   SRCPARAM L0003455         3.041      4.27     23.26      5.95
   SRCPARAM L0003456         3.041      4.27     23.26      5.95
   SRCPARAM L0003457         3.041      4.27     23.26      5.95
   SRCPARAM L0003458         3.041      4.27     23.26      5.95
   SRCPARAM L0003459         3.041      4.27     23.26      5.95
   SRCPARAM L0003460         3.041      4.27     23.26      5.95
   SRCPARAM L0003461         3.041      4.27     23.26      5.95
   SRCPARAM L0003462         3.041      4.27     23.26      5.95
   SRCPARAM L0003463         3.041      4.27     23.26      5.95
   SRCPARAM L0003464         3.041      4.27     23.26      5.95
   SRCPARAM L0003465         3.041      4.27     23.26      5.95
   SRCPARAM L0003466         3.041      4.27     23.26      5.95
   SRCPARAM L0003467         3.041      4.27     23.26      5.95
   SRCPARAM L0003468         3.041      4.27     23.26      5.95
   SRCPARAM L0003469         3.041      4.27     23.26      5.95
   SRCPARAM L0003470         3.041      4.27     23.26      5.95
   SRCPARAM L0003471         3.041      4.27     23.26      5.95
   SRCPARAM L0003472         3.041      4.27     23.26      5.95
   SRCPARAM L0003473         3.041      4.27     23.26      5.95
   SRCPARAM L0003474         3.041      4.27     23.26      5.95
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   SRCPARAM L0003475         3.041      4.27     23.26      5.95
   SRCPARAM L0003476         3.041      4.27     23.26      5.95
   SRCPARAM L0003477         3.041      4.27     23.26      5.95
   SRCPARAM L0003478         3.041      4.27     23.26      5.95
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** LINE VOLUME Source ID = OTAY_MESA_G
   SRCPARAM L0003697         5.841      4.27     18.60      5.95
   SRCPARAM L0003698         5.841      4.27     18.60      5.95
   SRCPARAM L0003699         5.841      4.27     18.60      5.95
   SRCPARAM L0003700         5.841      4.27     18.60      5.95
   SRCPARAM L0003701         5.841      4.27     18.60      5.95
   SRCPARAM L0003702         5.841      4.27     18.60      5.95
   SRCPARAM L0003703         5.841      4.27     18.60      5.95
   SRCPARAM L0003704         5.841      4.27     18.60      5.95
   SRCPARAM L0003705         5.841      4.27     18.60      5.95
   SRCPARAM L0003706         5.841      4.27     18.60      5.95
   SRCPARAM L0003707         5.841      4.27     18.60      5.95
   SRCPARAM L0003708         5.841      4.27     18.60      5.95
   SRCPARAM L0003709         5.841      4.27     18.60      5.95
   SRCPARAM L0003710         5.841      4.27     18.60      5.95
   SRCPARAM L0003711         5.841      4.27     18.60      5.95
   SRCPARAM L0003712         5.841      4.27     18.60      5.95
   SRCPARAM L0003713         5.841      4.27     18.60      5.95
   SRCPARAM L0003714         5.841      4.27     18.60      5.95
   SRCPARAM L0003715         5.841      4.27     18.60      5.95
   SRCPARAM L0003716         5.841      4.27     18.60      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_MESA_H
   SRCPARAM L0003717         5.138      4.27     18.60      5.95
   SRCPARAM L0003718         5.138      4.27     18.60      5.95
   SRCPARAM L0003719         5.138      4.27     18.60      5.95
   SRCPARAM L0003720         5.138      4.27     18.60      5.95
   SRCPARAM L0003721         5.138      4.27     18.60      5.95
   SRCPARAM L0003722         5.138      4.27     18.60      5.95
   SRCPARAM L0003723         5.138      4.27     18.60      5.95
   SRCPARAM L0003724         5.138      4.27     18.60      5.95
   SRCPARAM L0003725         5.138      4.27     18.60      5.95
   SRCPARAM L0003726         5.138      4.27     18.60      5.95
   SRCPARAM L0003727         5.138      4.27     18.60      5.95
   SRCPARAM L0003728         5.138      4.27     18.60      5.95
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = AIRWAY_A
   SRCPARAM L0003729         6.233      4.27     18.60      5.95
   SRCPARAM L0003730         6.233      4.27     18.60      5.95
   SRCPARAM L0003731         6.233      4.27     18.60      5.95
   SRCPARAM L0003732         6.233      4.27     18.60      5.95
   SRCPARAM L0003733         6.233      4.27     18.60      5.95
   SRCPARAM L0003734         6.233      4.27     18.60      5.95
   SRCPARAM L0003735         6.233      4.27     18.60      5.95
   SRCPARAM L0003736         6.233      4.27     18.60      5.95
   SRCPARAM L0003737         6.233      4.27     18.60      5.95
   SRCPARAM L0003738         6.233      4.27     18.60      5.95
   SRCPARAM L0003739         6.233      4.27     18.60      5.95
   SRCPARAM L0003740         6.233      4.27     18.60      5.95
   SRCPARAM L0003741         6.233      4.27     18.60      5.95
   SRCPARAM L0003742         6.233      4.27     18.60      5.95
   SRCPARAM L0003743         6.233      4.27     18.60      5.95
   SRCPARAM L0003744         6.233      4.27     18.60      5.95
   SRCPARAM L0003745         6.233      4.27     18.60      5.95
   SRCPARAM L0003746         6.233      4.27     18.60      5.95
```


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   SRCPARAM L0003747         6.233      4.27     18.60      5.95
   SRCPARAM L0003748         6.233      4.27     18.60      5.95
   SRCPARAM L0003749         6.233      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEMPRE_A
   SRCPARAM L0003750         13.63      4.27     18.60      5.95
   SRCPARAM L0003751         13.63      4.27     18.60      5.95
   SRCPARAM L0003752         13.63      4.27     18.60      5.95
   SRCPARAM L0003753         13.63      4.27     18.60      5.95
   SRCPARAM L0003754         13.63      4.27     18.60      5.95
   SRCPARAM L0003755         13.63      4.27     18.60      5.95
   SRCPARAM L0003756         13.63      4.27     18.60      5.95
   SRCPARAM L0003757         13.63      4.27     18.60      5.95
   SRCPARAM L0003758         13.63      4.27     18.60      5.95
   SRCPARAM L0003759         13.63      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SIMPRE_B
   SRCPARAM L0003760         9.272      4.27     18.60      5.95
   SRCPARAM L0003761         9.272      4.27     18.60      5.95
   SRCPARAM L0003762         9.272      4.27     18.60      5.95
   SRCPARAM L0003763         9.272      4.27     18.60      5.95
   SRCPARAM L0003764         9.272      4.27     18.60      5.95
   SRCPARAM L0003765         9.272      4.27     18.60      5.95
   SRCPARAM L0003766         9.272      4.27     18.60      5.95
   SRCPARAM L0003767         9.272      4.27     18.60      5.95
   SRCPARAM L0003768         9.272      4.27     18.60      5.95
   SRCPARAM L0003769         9.272      4.27     18.60      5.95
   SRCPARAM L0003770         9.272      4.27     18.60      5.95
   SRCPARAM L0003771         9.272      4.27     18.60      5.95
   SRCPARAM L0003772         9.272      4.27     18.60      5.95
   SRCPARAM L0003773         9.272      4.27     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = OTAY_VLLY_A
   SRCPARAM L0003774         5.611      4.27     23.26      5.95
   SRCPARAM L0003775         5.611      4.27     23.26      5.95
   SRCPARAM L0003776         5.611      4.27     23.26      5.95
   SRCPARAM L0003777         5.611      4.27     23.26      5.95
   SRCPARAM L0003778         5.611      4.27     23.26      5.95
   SRCPARAM L0003779         5.611      4.27     23.26      5.95
   SRCPARAM L0003780         5.611      4.27     23.26      5.95
   SRCPARAM L0003781         5.611      4.27     23.26      5.95
   SRCPARAM L0003782         5.611      4.27     23.26      5.95
   SRCPARAM L0003783         5.611      4.27     23.26      5.95
   SRCPARAM L0003784         5.611      4.27     23.26      5.95
   SRCPARAM L0003785         5.611      4.27     23.26      5.95
   SRCPARAM L0003786         5.611      4.27     23.26      5.95
   SRCPARAM L0003787         5.611      4.27     23.26      5.95
   SRCPARAM L0003788         5.611      4.27     23.26      5.95
   SRCPARAM L0003789         5.611      4.27     23.26      5.95
   SRCPARAM L0003790         5.611      4.27     23.26      5.95
   SRCPARAM L0003791         5.611      4.27     23.26      5.95
   SRCPARAM L0003792         5.611      4.27     23.26      5.95
   SRCPARAM L0003793         5.611      4.27     23.26      5.95
   SRCPARAM L0003794         5.611      4.27     23.26      5.95
   SRCPARAM L0003795         5.611      4.27     23.26      5.95
   SRCPARAM L0003796         5.611      4.27     23.26      5.95
   SRCPARAM L0003797         5.611      4.27     23.26      5.95
   SRCPARAM L0003798         5.611      4.27     23.26      5.95
   SRCPARAM L0003799         5.611      4.27     23.26      5.95
   SRCPARAM L0003800         5.611      4.27     23.26      5.95
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   SRCPARAM L0003801         5.611      4.27     23.26      5.95
   SRCPARAM L0003802         5.611      4.27     23.26      5.95
   SRCPARAM L0003803         5.611      4.27     23.26      5.95
   SRCPARAM L0003804         5.611      4.27     23.26      5.95
   SRCPARAM L0003805         5.611      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = OTAYVLLY_B
   SRCPARAM L0003806         9.608      4.27     23.26      5.95
   SRCPARAM L0003807         9.608      4.27     23.26      5.95
   SRCPARAM L0003808         9.608      4.27     23.26      5.95
   SRCPARAM L0003809         9.608      4.27     23.26      5.95
   SRCPARAM L0003810         9.608      4.27     23.26      5.95
   SRCPARAM L0003811         9.608      4.27     23.26      5.95
   SRCPARAM L0003812         9.608      4.27     23.26      5.95
   SRCPARAM L0003813         9.608      4.27     23.26      5.95
   SRCPARAM L0003814         9.608      4.27     23.26      5.95
   SRCPARAM L0003815         9.608      4.27     23.26      5.95
   SRCPARAM L0003816         9.608      4.27     23.26      5.95
   SRCPARAM L0003817         9.608      4.27     23.26      5.95
   SRCPARAM L0003818         9.608      4.27     23.26      5.95
   SRCPARAM L0003819         9.608      4.27     23.26      5.95
   SRCPARAM L0003820         9.608      4.27     23.26      5.95
   SRCPARAM L0003821         9.608      4.27     23.26      5.95
   SRCPARAM L0003822         9.608      4.27     23.26      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = BRITANNIA
   SRCPARAM L0003823         13.63      0.00     18.60      5.95
   SRCPARAM L0003824         13.63      0.00     18.60      5.95
   SRCPARAM L0003825         13.63      0.00     18.60      5.95
   SRCPARAM L0003826         13.63      0.00     18.60      5.95
   SRCPARAM L0003827         13.63      0.00     18.60      5.95
   SRCPARAM L0003828         13.63      0.00     18.60      5.95
   SRCPARAM L0003829         13.63      0.00     18.60      5.95
   SRCPARAM L0003830         13.63      0.00     18.60      5.95
   SRCPARAM L0003831         13.63      0.00     18.60      5.95
   SRCPARAM L0003832         13.63      0.00     18.60      5.95
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = LA_MEDIA
   SRCPARAM L0003851         13.85      4.27     18.60      5.95
   SRCPARAM L0003852         13.85      4.27     18.60      5.95
   SRCPARAM L0003853         13.85      4.27     18.60      5.95
   SRCPARAM L0003854         13.85      4.27     18.60      5.95
   SRCPARAM L0003855         13.85      4.27     18.60      5.95
   SRCPARAM L0003856         13.85      4.27     18.60      5.95
   SRCPARAM L0003857         13.85      4.27     18.60      5.95
   SRCPARAM L0003858         13.85      4.27     18.60      5.95
   SRCPARAM L0003859         13.85      4.27     18.60      5.95
   SRCPARAM L0003860         13.85      4.27     18.60      5.95
** ---------------------------------------------------------------------
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   GRIDCART UCART1 STA
                    XYINC 495921.32 21 150.00 3600584.90 21 150.00
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ELEV	1	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	1	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	1	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	1	0.00	0.00	0.00			
ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
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ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	2	0.00	0.00	0.00			
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00			
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00			
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
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ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			

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ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
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ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
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ELEV	21	0.00	0.00	0.00			
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HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
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HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
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HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
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HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			

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                HILL   10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   10      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   10      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   11      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL   12      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL   15      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
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                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00
GRIDCART UCART1 END
GRIDCART UCART2 STA
                XYINC 495924.40 21 150.00 3603567.52 21 150.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
```


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ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00			
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00			
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00

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ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   12      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   13      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00
GRIDCART UCART2 END
GRIDCART UCART3 STA
                XYINC 498904.52 21 150.00 3600584.79 21 150.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
```


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ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00

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ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL   14      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   14      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   15      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   16      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   17      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   18      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   19      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   20      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00      0.00      0.00      0.00
                HILL   21      0.00      0.00      0.00
GRIDCART UCART3 END
GRIDCART UCART4 STA
                XYINC 498903.40 21 150.00 3603568.08 21 150.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    1      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    2      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    3      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    4      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    5      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    6      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
                ELEV    7      0.00      0.00      0.00      0.00      0.00      0.00
```


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ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00

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HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00			
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00			
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL   16     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00
GRIDCART UCART4 END
GRIDCART UCART5 STA
                XYINC 501887.15 21 150.00 3600585.14 21 150.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00
```


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ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			

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HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00			
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00			
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00			
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00			
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00			

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                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00
GRIDCART UCART5 END
GRIDCART UCART6 STA
                XYINC 501885.74 21 150.00 3603565.94 21 150.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    2     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    3     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    4     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    5     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    6     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    7     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    8     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    9     0.00     0.00     0.00
                ELEV   10     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV   10     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV   10     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV   10     0.00     0.00     0.00
                ELEV   11     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV   11     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV   11     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV   11     0.00     0.00     0.00
                ELEV   12     0.00     0.00     0.00     0.00     0.00     0.00
```


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ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00

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HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00			
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00	0.00	0.00	0.00
HILL	11	0.00	0.00	0.00			
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00	0.00	0.00	0.00
HILL	12	0.00	0.00	0.00			
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00	0.00	0.00	0.00
HILL	13	0.00	0.00	0.00			
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00	0.00	0.00	0.00
HILL	14	0.00	0.00	0.00			
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00	0.00	0.00	0.00
HILL	15	0.00	0.00	0.00			
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00	0.00	0.00	0.00
HILL	16	0.00	0.00	0.00			
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00	0.00	0.00	0.00
HILL	17	0.00	0.00	0.00			
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00	0.00	0.00	0.00
HILL	18	0.00	0.00	0.00			
HILL	19	0.00	0.00	0.00	0.00	0.00	0.00
HILL	19	0.00	0.00	0.00	0.00	0.00	0.00
HILL	19	0.00	0.00	0.00	0.00	0.00	0.00
HILL	19	0.00	0.00	0.00			
HILL	20	0.00	0.00	0.00	0.00	0.00	0.00
HILL	20	0.00	0.00	0.00	0.00	0.00	0.00
HILL	20	0.00	0.00	0.00	0.00	0.00	0.00
HILL	20	0.00	0.00	0.00			
HILL	21	0.00	0.00	0.00	0.00	0.00	0.00

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                 HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                 HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                 HILL   21     0.00     0.00     0.00
GRIDCART UCART6 END
GRIDCART UCART7 STA
                 XYINC 504863.59 21 150.00 3600583.99 21 150.00
                 ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    1     0.00     0.00     0.00
                 ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    2     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    2     0.00     0.00     0.00
                 ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    3     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    3     0.00     0.00     0.00
                 ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    4     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    4     0.00     0.00     0.00
                 ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    5     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    5     0.00     0.00     0.00
                 ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    6     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    6     0.00     0.00     0.00
                 ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    7     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    7     0.00     0.00     0.00
                 ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    8     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    8     0.00     0.00     0.00
                 ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    9     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV    9     0.00     0.00     0.00
                 ELEV   10     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   10     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   10     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   10     0.00     0.00     0.00
                 ELEV   11     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   11     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   11     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   11     0.00     0.00     0.00
                 ELEV   12     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   12     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   12     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   12     0.00     0.00     0.00
                 ELEV   13     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   13     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   13     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   13     0.00     0.00     0.00
                 ELEV   14     0.00     0.00     0.00     0.00     0.00     0.00
                 ELEV   14     0.00     0.00     0.00     0.00     0.00     0.00
```


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ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00

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                HILL    8     0.00     0.00     0.00     0.00     0.00     0.00
                HILL    8     0.00     0.00     0.00
                HILL    9     0.00     0.00     0.00     0.00     0.00     0.00
                HILL    9     0.00     0.00     0.00     0.00     0.00     0.00
                HILL    9     0.00     0.00     0.00     0.00     0.00     0.00
                HILL    9     0.00     0.00     0.00
                HILL   10     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   10     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   10     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   10     0.00     0.00     0.00
                HILL   11     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   11     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   11     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   11     0.00     0.00     0.00
                HILL   12     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   12     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   12     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   12     0.00     0.00     0.00
                HILL   13     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   13     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   13     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   13     0.00     0.00     0.00
                HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   14     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   15     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   16     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   17     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   18     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   19     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   20     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                HILL   21     0.00     0.00     0.00
GRIDCART UCART7 END
GRIDCART UCART8 STA
                XYINC 504863.98 21 150.00 3603564.47 21 150.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
                ELEV    1     0.00     0.00     0.00     0.00     0.00     0.00
```


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ELEV	1	0.00	0.00	0.00			
ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	2	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	2	0.00	0.00	0.00			
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	3	0.00	0.00	0.00			
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	4	0.00	0.00	0.00			
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	5	0.00	0.00	0.00			
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	6	0.00	0.00	0.00			
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	7	0.00	0.00	0.00			
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	8	0.00	0.00	0.00			
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	9	0.00	0.00	0.00			
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	10	0.00	0.00	0.00			
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	11	0.00	0.00	0.00			
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	12	0.00	0.00	0.00			
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	13	0.00	0.00	0.00			
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	14	0.00	0.00	0.00			
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	15	0.00	0.00	0.00			
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	16	0.00	0.00	0.00	0.00	0.00	0.00

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ELEV	16	0.00	0.00	0.00			
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	17	0.00	0.00	0.00			
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	18	0.00	0.00	0.00			
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	19	0.00	0.00	0.00			
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	20	0.00	0.00	0.00			
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00	0.00	0.00	0.00
ELEV	21	0.00	0.00	0.00			
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00	0.00	0.00	0.00
HILL	1	0.00	0.00	0.00			
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00	0.00	0.00	0.00
HILL	2	0.00	0.00	0.00			
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00	0.00	0.00	0.00
HILL	3	0.00	0.00	0.00			
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00	0.00	0.00	0.00
HILL	4	0.00	0.00	0.00			
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00	0.00	0.00	0.00
HILL	5	0.00	0.00	0.00			
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00	0.00	0.00	0.00
HILL	6	0.00	0.00	0.00			
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00	0.00	0.00	0.00
HILL	7	0.00	0.00	0.00			
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00	0.00	0.00	0.00
HILL	8	0.00	0.00	0.00			
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00	0.00	0.00	0.00
HILL	9	0.00	0.00	0.00			
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00
HILL	10	0.00	0.00	0.00	0.00	0.00	0.00

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                    HILL   10     0.00     0.00     0.00
                    HILL   11     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   11     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   11     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   11     0.00     0.00     0.00
                    HILL   12     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   12     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   12     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   12     0.00     0.00     0.00
                    HILL   13     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   13     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   13     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   13     0.00     0.00     0.00
                    HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   14     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   14     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   15     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   16     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   17     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   18     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   19     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   20     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00     0.00     0.00     0.00
                    HILL   21     0.00     0.00     0.00
   GRIDCART UCART8 END
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "..\AERMET\Otay Mesa.SFC"
   PROFFILE "..\AERMET\Otay Mesa.PFL"
   SURFDATA 23188 1990 SAN_DIEGO/LINDBERGH_FIELD
   UAIRDATA 3190 1990
   PROFBASE 9.0 METERS
ME FINISHED
```


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```
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OTAY MESA FUTURE CPU.AD\01H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "OTAY MESA FUTURE CPU.AD\AN00GALL.PLT" 32
   SUMMFILE "Otay Mesa Future CPU.sum"
OU FINISHED

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************
```


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```
 **MODELOPTs:  RegDFAULT CONC                                              ELEV

                                              ***     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 RURAL Dispersion Only.

 **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.

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates ANNUAL Averages

 **This Run Includes:    717 Source(s);       1 Source Group(s); and    3528 Receptor
(s)

 **The Model Assumes A Pollutant Type of:  PM_10

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =     9.00 ;  Decay Coef.
=    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;
```


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```
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.2 MB of RAM.

 **Detailed Error/Message File:   Otay Mesa Future CPU.err
 **File for Summary of Results:   Otay Mesa Future CPU.sum
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002912	0	0.62020E+01	505725.6	3601444.9	0.0	4.27	23.26	5.95	NO	
L0002913	0	0.62020E+01	505721.3	3601494.7	0.0	4.27	23.26	5.95	NO	
L0002914	0	0.62020E+01	505717.0	3601544.5	0.0	4.27	23.26	5.95	NO	
L0002915	0	0.62020E+01	505712.6	3601594.4	0.0	4.27	23.26	5.95	NO	
L0002916	0	0.62020E+01	505715.7	3601644.0	0.0	4.27	23.26	5.95	NO	
L0002917	0	0.62020E+01	505722.7	3601693.5	0.0	4.27	23.26	5.95	NO	
L0002918	0	0.62020E+01	505721.8	3601742.8	0.0	4.27	23.26	5.95	NO	
L0002919	0	0.62020E+01	505712.0	3601791.8	0.0	4.27	23.26	5.95	NO	
L0002920	0	0.62020E+01	505702.3	3601840.8	0.0	4.27	23.26	5.95	NO	
L0002921	0	0.62020E+01	505692.5	3601889.9	0.0	4.27	23.26	5.95	NO	
L0002922	0	0.62020E+01	505673.2	3601935.8	0.0	4.27	23.26	5.95	NO	
L0002923	0	0.62020E+01	505651.9	3601981.0	0.0	4.27	23.26	5.95	NO	
L0002924	0	0.81590E+01	505630.7	3602021.4	0.0	4.27	23.26	5.95	NO	
L0002925	0	0.81590E+01	505605.8	3602064.8	0.0	4.27	23.26	5.95	NO	
L0002926	0	0.81590E+01	505573.9	3602103.3	0.0	4.27	23.26	5.95	NO	
L0002927	0	0.81590E+01	505542.1	3602141.8	0.0	4.27	23.26	5.95	NO	
L0002928	0	0.81590E+01	505510.2	3602180.4	0.0	4.27	23.26	5.95	NO	
L0002929	0	0.81590E+01	505478.4	3602218.9	0.0	4.27	23.26	5.95	NO	
L0002930	0	0.81590E+01	505446.5	3602257.4	0.0	4.27	23.26	5.95	NO	
L0002931	0	0.81590E+01	505414.7	3602296.0	0.0	4.27	23.26			

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```
5.95     NO
 L0002932          0   0.81590E+01  505382.8 3602334.5     0.0     4.27    23.26
5.95     NO
 L0002933          0   0.81590E+01  505350.9 3602373.1     0.0     4.27    23.26
5.95     NO
 L0002934          0   0.81590E+01  505319.1 3602411.6     0.0     4.27    23.26
5.95     NO
 L0002935          0   0.81590E+01  505287.2 3602450.1     0.0     4.27    23.26
5.95     NO
 L0002936          0   0.81590E+01  505255.4 3602488.7     0.0     4.27    23.26
5.95     NO
 L0002937          0   0.81590E+01  505223.5 3602527.2     0.0     4.27    23.26
5.95     NO
 L0002938          0   0.32280E+01  505199.9 3602554.2     0.0     4.27    23.26
5.95     NO
 L0002939          0   0.32280E+01  505166.6 3602591.5     0.0     4.27    23.26
5.95     NO
 L0002940          0   0.32280E+01  505133.3 3602628.8     0.0     4.27    23.26
5.95     NO
 L0002941          0   0.32280E+01  505100.0 3602666.1     0.0     4.27    23.26
5.95     NO
 L0002942          0   0.32280E+01  505064.9 3602701.6     0.0     4.27    23.26
5.95     NO
 L0002943          0   0.32280E+01  505027.6 3602735.0     0.0     4.27    23.26
5.95     NO
 L0002944          0   0.32280E+01  504990.4 3602768.3     0.0     4.27    23.26
5.95     NO
 L0002945          0   0.32280E+01  504950.7 3602798.5     0.0     4.27    23.26
5.95     NO
 L0002946          0   0.32280E+01  504908.8 3602825.8     0.0     4.27    23.26
5.95     NO
 L0002947          0   0.32280E+01  504867.0 3602853.2     0.0     4.27    23.26
5.95     NO
 L0002948          0   0.32280E+01  504822.3 3602875.6     0.0     4.27    23.26
5.95     NO
 L0002949          0   0.32280E+01  504777.2 3602897.1     0.0     4.27    23.26
5.95     NO
 L0002950          0   0.32280E+01  504731.2 3602916.7     0.0     4.27    23.26
5.95     NO
 L0002951          0   0.32280E+01  504683.6 3602931.6     0.0     4.27    23.26
5.95     NO
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002952	0	0.32280E+01	504635.0	3602943.3	0.0	4.27	23.26	5.95	NO	
L0002953	0	0.32280E+01	504586.4	3602955.0	0.0	4.27	23.26	5.95	NO	
L0002954	0	0.32280E+01	504537.5	3602965.0	0.0	4.27	23.26	5.95	NO	
L0002955	0	0.32280E+01	504487.7	3602969.5	0.0	4.27	23.26	5.95	NO	
L0002956	0	0.32280E+01	504437.8	3602970.9	0.0	4.27	23.26	5.95	NO	
L0002957	0	0.32280E+01	504387.8	3602971.3	0.0	4.27	23.26	5.95	NO	
L0002958	0	0.32280E+01	504337.8	3602971.7	0.0	4.27	23.26	5.95	NO	
L0002959	0	0.32280E+01	504287.8	3602972.1	0.0	4.27	23.26	5.95	NO	
L0002960	0	0.32280E+01	504237.8	3602972.6	0.0	4.27	23.26	5.95	NO	
L0002961	0	0.32280E+01	504187.8	3602973.0	0.0	4.27	23.26	5.95	NO	
L0002962	0	0.32280E+01	504137.8	3602973.4	0.0	4.27	23.26	5.95	NO	
L0002963	0	0.32280E+01	504087.8	3602973.8	0.0	4.27	23.26	5.95	NO	
L0002964	0	0.32280E+01	504037.8	3602974.2	0.0	4.27	23.26	5.95	NO	
L0002965	0	0.32280E+01	503987.8	3602974.6	0.0	4.27	23.26	5.95	NO	
L0002966	0	0.32280E+01	503937.8	3602975.0	0.0	4.27	23.26	5.95	NO	
L0002967	0	0.32280E+01	503887.8	3602975.4	0.0	4.27	23.26	5.95	NO	
L0002968	0	0.32280E+01	503837.8	3602975.8	0.0	4.27	23.26	5.95	NO	
L0002969	0	0.32280E+01	503787.8	3602976.3	0.0	4.27	23.26	5.95	NO	
L0002970	0	0.32280E+01	503737.8	3602976.7	0.0	4.27	23.26	5.95	NO	
L0002971	0	0.32280E+01	503687.8	3602977.1	0.0	4.27	23.26			

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```
5.95     NO
 L0002972          0   0.32280E+01  503637.8 3602977.5     0.0     4.27    23.26
5.95     NO
 L0002973          0   0.32280E+01  503587.8 3602977.9     0.0     4.27    23.26
5.95     NO
 L0002974          0   0.32280E+01  503537.8 3602978.3     0.0     4.27    23.26
5.95     NO
 L0003123          0   0.62190E+01  498188.0 3603383.9     0.0     0.00    23.26
5.95     NO
 L0003124          0   0.62190E+01  498141.4 3603402.1     0.0     0.00    23.26
5.95     NO
 L0003125          0   0.62190E+01  498094.8 3603420.2     0.0     0.00    23.26
5.95     NO
 L0003126          0   0.62190E+01  498047.3 3603435.6     0.0     0.00    23.26
5.95     NO
 L0003127          0   0.62190E+01  497999.3 3603449.6     0.0     0.00    23.26
5.95     NO
 L0003128          0   0.62190E+01  497950.4 3603459.9     0.0     0.00    23.26
5.95     NO
 L0003129          0   0.62190E+01  497901.4 3603469.6     0.0     0.00    23.26
5.95     NO
 L0003130          0   0.62190E+01  497851.6 3603474.8     0.0     0.00    23.26
5.95     NO
 L0003131          0   0.62190E+01  497801.8 3603476.6     0.0     0.00    23.26
5.95     NO
 L0003132          0   0.62190E+01  497751.8 3603475.3     0.0     0.00    23.26
5.95     NO
 L0003133          0   0.62190E+01  497702.0 3603470.8     0.0     0.00    23.26
5.95     NO
 L0003134          0   0.62190E+01  497652.2 3603466.3     0.0     0.00    23.26
5.95     NO
 L0003135          0   0.62190E+01  497602.4 3603461.8     0.0     0.00    23.26
5.95     NO
 L0003136          0   0.62190E+01  497552.6 3603457.3     0.0     0.00    23.26
5.95     NO
 L0003137          0   0.62190E+01  497502.8 3603452.8     0.0     0.00    23.26
5.95     NO
 L0003138          0   0.62190E+01  497453.0 3603448.3     0.0     0.00    23.26
5.95     NO
 L0003139          0   0.62190E+01  497403.2 3603443.8     0.0     0.00    23.26
5.95     NO
```


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**MODELOPTs: RegDEFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003140	0	0.62190E+01	497353.4	3603439.3	0.0	0.00	23.26	5.95	NO	
L0003141	0	0.62190E+01	497303.6	3603435.0	0.0	0.00	23.26	5.95	NO	
L0003142	0	0.62190E+01	497253.8	3603431.0	0.0	0.00	23.26	5.95	NO	
L0003143	0	0.62190E+01	497203.9	3603427.0	0.0	0.00	23.26	5.95	NO	
L0003144	0	0.62190E+01	497154.1	3603423.0	0.0	0.00	23.26	5.95	NO	
L0003145	0	0.62190E+01	497104.2	3603419.0	0.0	0.00	23.26	5.95	NO	
L0003146	0	0.62190E+01	497054.4	3603415.5	0.0	0.00	23.26	5.95	NO	
L0003147	0	0.62190E+01	497004.4	3603414.3	0.0	0.00	23.26	5.95	NO	
L0003148	0	0.62190E+01	496954.4	3603413.0	0.0	0.00	23.26	5.95	NO	
L0003149	0	0.62190E+01	496904.4	3603413.0	0.0	0.00	23.26	5.95	NO	
L0003150	0	0.62190E+01	496854.4	3603413.6	0.0	0.00	23.26	5.95	NO	
L0003151	0	0.62190E+01	496804.4	3603414.1	0.0	0.00	23.26	5.95	NO	
L0003152	0	0.62190E+01	496754.4	3603414.6	0.0	0.00	23.26	5.95	NO	
L0003153	0	0.62190E+01	496704.4	3603415.2	0.0	0.00	23.26	5.95	NO	
L0003154	0	0.62190E+01	496654.4	3603415.7	0.0	0.00	23.26	5.95	NO	
L0003155	0	0.62190E+01	496604.4	3603416.2	0.0	0.00	23.26	5.95	NO	
L0003156	0	0.62190E+01	496554.4	3603416.8	0.0	0.00	23.26	5.95	NO	
L0003157	0	0.62190E+01	496504.4	3603417.3	0.0	0.00	23.26	5.95	NO	
L0003158	0	0.62190E+01	496454.4	3603417.9	0.0	0.00	23.26	5.95	NO	
L0003159	0	0.62190E+01	496404.4	3603418.4	0.0	0.00	23.26			

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```
5.95     NO
 L0003160          0   0.62190E+01  496354.4 3603418.9     0.0     0.00    23.26
5.95     NO
 L0003161          0   0.62190E+01  496304.5 3603419.5     0.0     0.00    23.26
5.95     NO
 L0003162          0   0.62190E+01  496254.5 3603420.0     0.0     0.00    23.26
5.95     NO
 L0003163          0   0.62190E+01  496204.5 3603420.5     0.0     0.00    23.26
5.95     NO
 L0003265          0   0.73180E+01  496192.6 3603445.3     0.0     4.27    23.26
5.95     NO
 L0003266          0   0.73180E+01  496202.0 3603494.4     0.0     4.27    23.26
5.95     NO
 L0003267          0   0.73180E+01  496211.4 3603543.5     0.0     4.27    23.26
5.95     NO
 L0003268          0   0.73180E+01  496220.9 3603592.6     0.0     4.27    23.26
5.95     NO
 L0003269          0   0.73180E+01  496230.3 3603641.7     0.0     4.27    23.26
5.95     NO
 L0003270          0   0.73180E+01  496239.8 3603690.8     0.0     4.27    23.26
5.95     NO
 L0003271          0   0.73180E+01  496249.2 3603739.9     0.0     4.27    23.26
5.95     NO
 L0003272          0   0.73180E+01  496258.6 3603789.0     0.0     4.27    23.26
5.95     NO
 L0003273          0   0.73180E+01  496268.1 3603838.1     0.0     4.27    23.26
5.95     NO
 L0003274          0   0.73180E+01  496277.5 3603887.2     0.0     4.27    23.26
5.95     NO
 L0003275          0   0.73180E+01  496287.0 3603936.3     0.0     4.27    23.26
5.95     NO
 L0003276          0   0.73180E+01  496296.4 3603985.4     0.0     4.27    23.26
5.95     NO
 L0003277          0   0.73180E+01  496305.8 3604034.5     0.0     4.27    23.26
5.95     NO
 L0003278          0   0.73180E+01  496315.3 3604083.6     0.0     4.27    23.26
5.95     NO
 L0003279          0   0.73180E+01  496324.7 3604132.7     0.0     4.27    23.26
5.95     NO
 L0003280          0   0.73180E+01  496334.1 3604181.8     0.0     4.27    23.26
5.95     NO
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003281	0	0.73180E+01	496343.6	3604230.9	0.0	4.27	23.26	5.95	NO	
L0003282	0	0.73180E+01	496353.0	3604280.0	0.0	4.27	23.26	5.95	NO	
L0003283	0	0.73180E+01	496362.5	3604329.1	0.0	4.27	23.26	5.95	NO	
L0003284	0	0.73180E+01	496371.9	3604378.2	0.0	4.27	23.26	5.95	NO	
L0003285	0	0.73180E+01	496381.3	3604427.3	0.0	4.27	23.26	5.95	NO	
L0003286	0	0.73180E+01	496390.8	3604476.4	0.0	4.27	23.26	5.95	NO	
L0003287	0	0.73180E+01	496400.2	3604525.5	0.0	4.27	23.26	5.95	NO	
L0003288	0	0.73180E+01	496409.6	3604574.6	0.0	4.27	23.26	5.95	NO	
L0003289	0	0.73180E+01	496419.1	3604623.7	0.0	4.27	23.26	5.95	NO	
L0003290	0	0.73180E+01	496428.5	3604672.9	0.0	4.27	23.26	5.95	NO	
L0003291	0	0.73180E+01	496438.0	3604722.0	0.0	4.27	23.26	5.95	NO	
L0003292	0	0.73180E+01	496447.4	3604771.1	0.0	4.27	23.26	5.95	NO	
L0003293	0	0.73180E+01	496456.8	3604820.2	0.0	4.27	23.26	5.95	NO	
L0003294	0	0.73180E+01	496466.3	3604869.3	0.0	4.27	23.26	5.95	NO	
L0003295	0	0.73180E+01	496475.7	3604918.4	0.0	4.27	23.26	5.95	NO	
L0003296	0	0.73180E+01	496485.1	3604967.5	0.0	4.27	23.26	5.95	NO	
L0003297	0	0.73180E+01	496494.6	3605016.6	0.0	4.27	23.26	5.95	NO	
L0003298	0	0.73180E+01	496504.0	3605065.7	0.0	4.27	23.26	5.95	NO	
L0003299	0	0.73180E+01	496513.5	3605114.8	0.0	4.27	23.26	5.95	NO	
L0003300	0	0.11450E+02	496524.4	3605173.2	0.0	4.27	23.26			

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5.95     NO
 L0003301         0   0.11450E+02  496533.2 3605222.5     0.0     4.27    23.26
5.95     NO
 L0003302         0   0.11450E+02  496542.0 3605271.7     0.0     4.27    23.26
5.95     NO
 L0003303         0   0.11450E+02  496550.7 3605320.9     0.0     4.27    23.26
5.95     NO
 L0003304         0   0.11450E+02  496558.5 3605370.3     0.0     4.27    23.26
5.95     NO
 L0003305         0   0.11450E+02  496566.3 3605419.7     0.0     4.27    23.26
5.95     NO
 L0003306         0   0.11450E+02  496571.1 3605469.4     0.0     4.27    23.26
5.95     NO
 L0003307         0   0.11450E+02  496574.6 3605519.3     0.0     4.27    23.26
5.95     NO
 L0003308         0   0.11450E+02  496577.6 3605569.2     0.0     4.27    23.26
5.95     NO
 L0003309         0   0.11450E+02  496578.6 3605619.2     0.0     4.27    23.26
5.95     NO
 L0003310         0   0.11450E+02  496579.6 3605669.2     0.0     4.27    23.26
5.95     NO
 L0003311         0   0.11450E+02  496580.5 3605719.2     0.0     4.27    23.26
5.95     NO
 L0003312         0   0.11450E+02  496581.5 3605769.2     0.0     4.27    23.26
5.95     NO
 L0003313         0   0.11450E+02  496582.5 3605819.1     0.0     4.27    23.26
5.95     NO
 L0003314         0   0.11450E+02  496583.4 3605869.1     0.0     4.27    23.26
5.95     NO
 L0003315         0   0.11450E+02  496584.4 3605919.1     0.0     4.27    23.26
5.95     NO
 L0003316         0   0.11450E+02  496585.4 3605969.1     0.0     4.27    23.26
5.95     NO
 L0003317         0   0.11450E+02  496586.4 3606019.1     0.0     4.27    23.26
5.95     NO
 L0003318         0   0.11450E+02  496587.3 3606069.1     0.0     4.27    23.26
5.95     NO
 L0003319         0   0.11450E+02  496588.3 3606119.1     0.0     4.27    23.26
5.95     NO
 L0003320         0   0.11450E+02  496589.3 3606169.1     0.0     4.27    23.26
5.95     NO
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003321	0	0.11450E+02	496590.2	3606219.1	0.0	4.27	23.26	5.95	NO	
L0003322	0	0.11450E+02	496591.2	3606269.1	0.0	4.27	23.26	5.95	NO	
L0003323	0	0.11450E+02	496592.2	3606319.1	0.0	4.27	23.26	5.95	NO	
L0003324	0	0.11450E+02	496593.2	3606369.0	0.0	4.27	23.26	5.95	NO	
L0003510	0	0.78420E+01	498689.7	3603439.9	0.0	4.27	18.60	5.95	NO	
L0003511	0	0.78420E+01	498729.7	3603439.3	0.0	4.27	18.60	5.95	NO	
L0003512	0	0.78420E+01	498769.7	3603438.7	0.0	4.27	18.60	5.95	NO	
L0003513	0	0.78420E+01	498809.7	3603438.1	0.0	4.27	18.60	5.95	NO	
L0003514	0	0.78420E+01	498849.7	3603437.5	0.0	4.27	18.60	5.95	NO	
L0003515	0	0.78420E+01	498889.7	3603436.8	0.0	4.27	18.60	5.95	NO	
L0003516	0	0.78420E+01	498929.7	3603436.2	0.0	4.27	18.60	5.95	NO	
L0003517	0	0.78420E+01	498969.7	3603435.6	0.0	4.27	18.60	5.95	NO	
L0003518	0	0.78420E+01	499009.7	3603435.0	0.0	4.27	18.60	5.95	NO	
L0003519	0	0.78420E+01	499049.7	3603434.3	0.0	4.27	18.60	5.95	NO	
L0003520	0	0.78420E+01	499089.7	3603433.7	0.0	4.27	18.60	5.95	NO	
L0003521	0	0.78420E+01	499129.7	3603433.1	0.0	4.27	18.60	5.95	NO	
L0003522	0	0.78420E+01	499169.7	3603432.5	0.0	4.27	18.60	5.95	NO	
L0003523	0	0.78420E+01	499209.7	3603431.9	0.0	4.27	18.60	5.95	NO	
L0003524	0	0.78420E+01	499249.7	3603431.2	0.0	4.27	18.60	5.95	NO	
L0003525	0	0.78420E+01	499289.7	3603430.6	0.0	4.27	18.60			

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5.95     NO
 L0003526          0   0.78420E+01  499329.7 3603430.0     0.0     4.27    18.60
5.95     NO
 L0003527          0   0.78420E+01  499369.7 3603429.4     0.0     4.27    18.60
5.95     NO
 L0003528          0   0.78420E+01  499409.7 3603428.8     0.0     4.27    18.60
5.95     NO
 L0003529          0   0.78420E+01  499449.7 3603428.1     0.0     4.27    18.60
5.95     NO
 L0003530          0   0.11140E+02  499504.1 3603427.5     0.0     4.27    18.60
5.95     NO
 L0003531          0   0.11140E+02  499544.1 3603427.2     0.0     4.27    18.60
5.95     NO
 L0003532          0   0.11140E+02  499584.1 3603427.0     0.0     4.27    18.60
5.95     NO
 L0003533          0   0.11140E+02  499624.1 3603426.8     0.0     4.27    18.60
5.95     NO
 L0003534          0   0.11140E+02  499664.1 3603426.5     0.0     4.27    18.60
5.95     NO
 L0003535          0   0.11140E+02  499704.1 3603426.3     0.0     4.27    18.60
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 L0003536          0   0.11140E+02  499744.1 3603426.1     0.0     4.27    18.60
5.95     NO
 L0003537          0   0.11140E+02  499784.1 3603425.8     0.0     4.27    18.60
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 L0003538          0   0.11140E+02  499824.1 3603425.6     0.0     4.27    18.60
5.95     NO
 L0003539          0   0.11140E+02  499864.0 3603425.4     0.0     4.27    18.60
5.95     NO
 L0003540          0   0.10060E+02  499906.4 3603424.9     0.0     4.27    18.60
5.95     NO
 L0003541          0   0.10060E+02  499946.3 3603424.2     0.0     4.27    18.60
5.95     NO
 L0003542          0   0.10060E+02  499986.3 3603423.5     0.0     4.27    18.60
5.95     NO
 L0003543          0   0.10060E+02  500026.3 3603422.9     0.0     4.27    18.60
5.95     NO
 L0003544          0   0.10060E+02  500066.3 3603422.2     0.0     4.27    18.60
5.95     NO
 L0003545          0   0.10060E+02  500106.3 3603421.5     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003546	0	0.10060E+02	500146.3	3603420.8	0.0	4.27	18.60	5.95	NO	
L0003547	0	0.10060E+02	500186.3	3603420.1	0.0	4.27	18.60	5.95	NO	
L0003548	0	0.10060E+02	500226.3	3603419.4	0.0	4.27	18.60	5.95	NO	
L0003549	0	0.10060E+02	500266.3	3603418.7	0.0	4.27	18.60	5.95	NO	
L0003550	0	0.82750E+01	500313.2	3603418.0	0.0	4.27	18.60	5.95	NO	
L0003551	0	0.82750E+01	500353.2	3603417.3	0.0	4.27	18.60	5.95	NO	
L0003552	0	0.82750E+01	500393.2	3603416.7	0.0	4.27	18.60	5.95	NO	
L0003553	0	0.82750E+01	500433.2	3603416.0	0.0	4.27	18.60	5.95	NO	
L0003554	0	0.82750E+01	500473.2	3603415.3	0.0	4.27	18.60	5.95	NO	
L0003555	0	0.82750E+01	500513.2	3603414.7	0.0	4.27	18.60	5.95	NO	
L0003556	0	0.82750E+01	500553.2	3603414.0	0.0	4.27	18.60	5.95	NO	
L0003557	0	0.82750E+01	500593.2	3603413.4	0.0	4.27	18.60	5.95	NO	
L0003558	0	0.82750E+01	500633.2	3603412.7	0.0	4.27	18.60	5.95	NO	
L0003559	0	0.82750E+01	500673.2	3603412.0	0.0	4.27	18.60	5.95	NO	
L0003560	0	0.82750E+01	500713.2	3603411.4	0.0	4.27	18.60	5.95	NO	
L0003561	0	0.82750E+01	500753.2	3603410.7	0.0	4.27	18.60	5.95	NO	
L0003562	0	0.82750E+01	500793.2	3603410.0	0.0	4.27	18.60	5.95	NO	
L0003563	0	0.82750E+01	500833.1	3603409.4	0.0	4.27	18.60	5.95	NO	
L0003564	0	0.82750E+01	500873.1	3603408.7	0.0	4.27	18.60	5.95	NO	
L0003565	0	0.82750E+01	500913.1	3603408.0	0.0	4.27	18.60			

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5.95     NO
 L0003566          0   0.82750E+01  500953.1 3603407.4     0.0     4.27    18.60
5.95     NO
 L0003567          0   0.82750E+01  500993.1 3603406.7     0.0     4.27    18.60
5.95     NO
 L0003568          0   0.82750E+01  501033.1 3603406.1     0.0     4.27    18.60
5.95     NO
 L0003569          0   0.82750E+01  501073.1 3603405.4     0.0     4.27    18.60
5.95     NO
 L0003570          0   0.47590E+01  501122.9 3603404.5     0.0     4.27    18.60
5.95     NO
 L0003571          0   0.47590E+01  501162.9 3603403.6     0.0     4.27    18.60
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 L0003572          0   0.47590E+01  501202.9 3603402.8     0.0     4.27    18.60
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 L0003573          0   0.47590E+01  501242.9 3603402.0     0.0     4.27    18.60
5.95     NO
 L0003574          0   0.47590E+01  501282.9 3603401.2     0.0     4.27    18.60
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 L0003575          0   0.47590E+01  501322.9 3603400.3     0.0     4.27    18.60
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 L0003576          0   0.47590E+01  501362.9 3603399.5     0.0     4.27    18.60
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 L0003577          0   0.47590E+01  501402.9 3603398.7     0.0     4.27    18.60
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 L0003578          0   0.47590E+01  501442.9 3603397.8     0.0     4.27    18.60
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 L0003579          0   0.47590E+01  501482.9 3603397.0     0.0     4.27    18.60
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 L0003580          0   0.47590E+01  501522.9 3603396.2     0.0     4.27    18.60
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 L0003581          0   0.47590E+01  501562.8 3603395.4     0.0     4.27    18.60
5.95     NO
 L0003582          0   0.47590E+01  501602.8 3603394.5     0.0     4.27    18.60
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 L0003583          0   0.47590E+01  501642.8 3603393.7     0.0     4.27    18.60
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 L0003584          0   0.47590E+01  501682.8 3603392.9     0.0     4.27    18.60
5.95     NO
 L0003585          0   0.47590E+01  501722.8 3603392.0     0.0     4.27    18.60
5.95     NO
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003586	0	0.47590E+01	501762.8	3603391.2	0.0	4.27	18.60	5.95	NO	
L0003587	0	0.47590E+01	501802.8	3603390.4	0.0	4.27	18.60	5.95	NO	
L0003588	0	0.47590E+01	501842.8	3603389.6	0.0	4.27	18.60	5.95	NO	
L0003589	0	0.47590E+01	501882.8	3603388.7	0.0	4.27	18.60	5.95	NO	
L0003590	0	0.26650E+01	501923.1	3603388.1	0.0	4.27	18.60	5.95	NO	
L0003591	0	0.26650E+01	501963.1	3603387.7	0.0	4.27	18.60	5.95	NO	
L0003592	0	0.26650E+01	502003.1	3603387.3	0.0	4.27	18.60	5.95	NO	
L0003593	0	0.26650E+01	502043.1	3603386.9	0.0	4.27	18.60	5.95	NO	
L0003594	0	0.26650E+01	502083.1	3603386.4	0.0	4.27	18.60	5.95	NO	
L0003595	0	0.26650E+01	502123.1	3603386.0	0.0	4.27	18.60	5.95	NO	
L0003596	0	0.26650E+01	502163.1	3603385.6	0.0	4.27	18.60	5.95	NO	
L0003597	0	0.26650E+01	502203.1	3603385.2	0.0	4.27	18.60	5.95	NO	
L0003598	0	0.26650E+01	502243.1	3603384.8	0.0	4.27	18.60	5.95	NO	
L0003599	0	0.26650E+01	502283.1	3603384.4	0.0	4.27	18.60	5.95	NO	
L0003600	0	0.26650E+01	502323.1	3603384.0	0.0	4.27	18.60	5.95	NO	
L0003601	0	0.26650E+01	502363.1	3603383.6	0.0	4.27	18.60	5.95	NO	
L0003602	0	0.26650E+01	502403.1	3603383.1	0.0	4.27	18.60	5.95	NO	
L0003603	0	0.26650E+01	502443.1	3603382.7	0.0	4.27	18.60	5.95	NO	
L0003604	0	0.26650E+01	502483.1	3603382.3	0.0	4.27	18.60	5.95	NO	
L0003605	0	0.26650E+01	502523.1	3603381.9	0.0	4.27	18.60			

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5.95     NO
 L0003606          0   0.26650E+01  502563.1 3603381.5     0.0     4.27    18.60
5.95     NO
 L0003607          0   0.26650E+01  502603.1 3603381.1     0.0     4.27    18.60
5.95     NO
 L0003608          0   0.26650E+01  502643.1 3603380.7     0.0     4.27    18.60
5.95     NO
 L0003609          0   0.26650E+01  502683.1 3603380.2     0.0     4.27    18.60
5.95     NO
 L0003610          0   0.26650E+01  502723.0 3603379.8     0.0     4.27    18.60
5.95     NO
 L0003611          0   0.26650E+01  502763.0 3603379.4     0.0     4.27    18.60
5.95     NO
 L0003612          0   0.26650E+01  502803.0 3603379.0     0.0     4.27    18.60
5.95     NO
 L0003613          0   0.26650E+01  502843.0 3603378.6     0.0     4.27    18.60
5.95     NO
 L0003614          0   0.26650E+01  502883.0 3603378.2     0.0     4.27    18.60
5.95     NO
 L0003615          0   0.26650E+01  502923.0 3603377.8     0.0     4.27    18.60
5.95     NO
 L0003616          0   0.26650E+01  502963.0 3603377.4     0.0     4.27    18.60
5.95     NO
 L0003617          0   0.26650E+01  503003.0 3603376.9     0.0     4.27    18.60
5.95     NO
 L0003618          0   0.26650E+01  503043.0 3603376.5     0.0     4.27    18.60
5.95     NO
 L0003619          0   0.26650E+01  503083.0 3603376.1     0.0     4.27    18.60
5.95     NO
 L0003620          0   0.26650E+01  503123.0 3603375.7     0.0     4.27    18.60
5.95     NO
 L0003621          0   0.26650E+01  503163.0 3603375.3     0.0     4.27    18.60
5.95     NO
 L0003622          0   0.26650E+01  503203.0 3603374.9     0.0     4.27    18.60
5.95     NO
 L0003623          0   0.26650E+01  503243.0 3603374.5     0.0     4.27    18.60
5.95     NO
 L0003624          0   0.26650E+01  503283.0 3603374.0     0.0     4.27    18.60
5.95     NO
 L0003625          0   0.26650E+01  503323.0 3603373.6     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDEFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003626	0	0.26650E+01	503363.0	3603373.2	0.0	4.27	18.60	5.95	NO	
L0003627	0	0.26650E+01	503403.0	3603372.8	0.0	4.27	18.60	5.95	NO	
L0003628	0	0.26650E+01	503443.0	3603372.4	0.0	4.27	18.60	5.95	NO	
L0003629	0	0.26650E+01	503483.0	3603372.0	0.0	4.27	18.60	5.95	NO	
L0003630	0	0.26650E+01	503523.0	3603371.6	0.0	4.27	18.60	5.95	NO	
L0002810	0	0.55520E+01	503499.1	3602978.5	0.0	4.27	23.26	1.98	NO	
L0002811	0	0.55520E+01	503449.1	3602978.7	0.0	4.27	23.26	1.98	NO	
L0002812	0	0.55520E+01	503399.1	3602978.8	0.0	4.27	23.26	1.98	NO	
L0002813	0	0.55520E+01	503349.1	3602979.0	0.0	4.27	23.26	1.98	NO	
L0002814	0	0.55520E+01	503299.1	3602979.2	0.0	4.27	23.26	1.98	NO	
L0002815	0	0.55520E+01	503249.1	3602979.3	0.0	4.27	23.26	1.98	NO	
L0002816	0	0.55520E+01	503199.1	3602979.5	0.0	4.27	23.26	1.98	NO	
L0002817	0	0.55520E+01	503149.1	3602979.6	0.0	4.27	23.26	1.98	NO	
L0002818	0	0.55520E+01	503099.1	3602979.8	0.0	4.27	23.26	1.98	NO	
L0002819	0	0.55520E+01	503049.1	3602980.0	0.0	4.27	23.26	1.98	NO	
L0002820	0	0.55520E+01	502999.1	3602980.1	0.0	4.27	23.26	1.98	NO	
L0002821	0	0.55520E+01	502949.1	3602980.3	0.0	4.27	23.26	1.98	NO	
L0002822	0	0.55520E+01	502899.1	3602980.5	0.0	4.27	23.26	1.98	NO	
L0002823	0	0.55520E+01	502849.1	3602980.6	0.0	4.27	23.26	1.98	NO	
L0002824	0	0.55520E+01	502799.1	3602980.8	0.0	4.27	23.26			

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1.98     NO
 L0002825         0   0.55520E+01  502749.1 3602981.0     0.0     4.27    23.26
1.98     NO
 L0002826         0   0.55520E+01  502699.1 3602981.1     0.0     4.27    23.26
1.98     NO
 L0002827         0   0.55520E+01  502649.1 3602981.3     0.0     4.27    23.26
1.98     NO
 L0002828         0   0.55520E+01  502599.1 3602981.4     0.0     4.27    23.26
1.98     NO
 L0002829         0   0.55520E+01  502549.1 3602981.6     0.0     4.27    23.26
1.98     NO
 L0002830         0   0.55520E+01  502499.1 3602981.8     0.0     4.27    23.26
1.98     NO
 L0002831         0   0.55520E+01  502449.1 3602981.9     0.0     4.27    23.26
1.98     NO
 L0002832         0   0.55520E+01  502399.1 3602982.1     0.0     4.27    23.26
1.98     NO
 L0002833         0   0.55520E+01  502349.1 3602982.3     0.0     4.27    23.26
1.98     NO
 L0002834         0   0.55520E+01  502299.1 3602982.4     0.0     4.27    23.26
1.98     NO
 L0002835         0   0.55520E+01  502249.1 3602982.6     0.0     4.27    23.26
1.98     NO
 L0002836         0   0.55520E+01  502199.1 3602982.8     0.0     4.27    23.26
1.98     NO
 L0002837         0   0.55520E+01  502149.1 3602982.9     0.0     4.27    23.26
1.98     NO
 L0002838         0   0.55520E+01  502099.1 3602983.1     0.0     4.27    23.26
1.98     NO
 L0002839         0   0.55520E+01  502049.1 3602983.2     0.0     4.27    23.26
1.98     NO
 L0002840         0   0.55520E+01  501999.1 3602983.4     0.0     4.27    23.26
1.98     NO
 L0002841         0   0.55520E+01  501949.1 3602983.6     0.0     4.27    23.26
1.98     NO
 L0002975         0   0.12480E+02  501874.9 3602983.7     0.0     4.27    23.26
5.95     NO
 L0002976         0   0.12480E+02  501824.9 3602983.7     0.0     4.27    23.26
5.95     NO
 L0002977         0   0.12480E+02  501774.9 3602983.8     0.0     4.27    23.26
5.95     NO
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002978	0	0.12480E+02	501724.9	3602984.5	0.0	4.27	23.26	5.95	NO	
L0002979	0	0.12480E+02	501675.0	3602986.8	0.0	4.27	23.26	5.95	NO	
L0002980	0	0.12480E+02	501625.1	3602989.7	0.0	4.27	23.26	5.95	NO	
L0002981	0	0.12480E+02	501575.3	3602994.0	0.0	4.27	23.26	5.95	NO	
L0002982	0	0.12480E+02	501525.6	3603000.1	0.0	4.27	23.26	5.95	NO	
L0002983	0	0.12480E+02	501476.1	3603006.9	0.0	4.27	23.26	5.95	NO	
L0002984	0	0.12480E+02	501426.6	3603014.2	0.0	4.27	23.26	5.95	NO	
L0002985	0	0.12480E+02	501377.2	3603021.6	0.0	4.27	23.26	5.95	NO	
L0002986	0	0.12480E+02	501327.7	3603028.9	0.0	4.27	23.26	5.95	NO	
L0002987	0	0.12480E+02	501278.3	3603036.2	0.0	4.27	23.26	5.95	NO	
L0002988	0	0.12480E+02	501228.8	3603043.6	0.0	4.27	23.26	5.95	NO	
L0002989	0	0.12480E+02	501179.3	3603050.8	0.0	4.27	23.26	5.95	NO	
L0002990	0	0.12480E+02	501129.5	3603055.0	0.0	4.27	23.26	5.95	NO	
L0002991	0	0.12480E+02	501072.6	3603057.9	0.0	4.27	23.26	5.95	NO	
L0002992	0	0.12480E+02	501022.6	3603058.6	0.0	4.27	23.26	5.95	NO	
L0002993	0	0.12480E+02	500972.7	3603058.5	0.0	4.27	23.26	5.95	NO	
L0002994	0	0.12480E+02	500922.7	3603057.0	0.0	4.27	23.26	5.95	NO	
L0002995	0	0.12480E+02	500872.9	3603052.2	0.0	4.27	23.26	5.95	NO	
L0002996	0	0.12480E+02	500823.2	3603047.3	0.0	4.27	23.26	5.95	NO	
L0002997	0	0.12480E+02	500773.6	3603040.8	0.0	4.27	23.26			

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5.95     NO
 L0002998          0   0.12480E+02  500724.2 3603033.1     0.0     4.27    23.26
5.95     NO
 L0002999          0   0.12480E+02  500674.9 3603024.7     0.0     4.27    23.26
5.95     NO
 L0003000          0   0.12480E+02  500625.7 3603015.8     0.0     4.27    23.26
5.95     NO
 L0003001          0   0.12480E+02  500576.8 3603005.5     0.0     4.27    23.26
5.95     NO
 L0003002          0   0.12480E+02  500527.5 3602997.0     0.0     4.27    23.26
5.95     NO
 L0003003          0   0.12480E+02  500478.2 3602988.7     0.0     4.27    23.26
5.95     NO
 L0003004          0   0.12480E+02  500428.9 3602980.5     0.0     4.27    23.26
5.95     NO
 L0003005          0   0.12480E+02  500379.0 3602978.6     0.0     4.27    23.26
5.95     NO
 L0003006          0   0.12480E+02  500329.0 3602978.7     0.0     4.27    23.26
5.95     NO
 L0003007          0   0.66510E+01  500264.0 3602984.5     0.0     4.27    23.26
5.95     NO
 L0003008          0   0.66510E+01  500214.9 3602994.0     0.0     4.27    23.26
5.95     NO
 L0003009          0   0.66510E+01  500166.8 3603007.3     0.0     4.27    23.26
5.95     NO
 L0003010          0   0.66510E+01  500119.9 3603024.7     0.0     4.27    23.26
5.95     NO
 L0003011          0   0.66510E+01  500073.9 3603044.3     0.0     4.27    23.26
5.95     NO
 L0003012          0   0.66510E+01  500028.4 3603064.8     0.0     4.27    23.26
5.95     NO
 L0003013          0   0.66510E+01  499982.8 3603085.3     0.0     4.27    23.26
5.95     NO
 L0003014          0   0.66510E+01  499937.2 3603105.9     0.0     4.27    23.26
5.95     NO
 L0003015          0   0.66510E+01  499891.5 3603126.2     0.0     4.27    23.26
5.95     NO
 L0003016          0   0.66510E+01  499845.8 3603146.4     0.0     4.27    23.26
5.95     NO
 L0003017          0   0.66510E+01  499799.8 3603166.0     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003018	0	0.66510E+01	499753.2	3603184.2	0.0	4.27	23.26	5.95	NO	
L0003019	0	0.66510E+01	499706.0	3603200.2	0.0	4.27	23.26	5.95	NO	
L0003020	0	0.66510E+01	499657.1	3603210.7	0.0	4.27	23.26	5.95	NO	
L0003021	0	0.66510E+01	499608.2	3603221.3	0.0	4.27	23.26	5.95	NO	
L0003022	0	0.66510E+01	499558.6	3603227.6	0.0	4.27	23.26	5.95	NO	
L0003023	0	0.66510E+01	499508.7	3603228.9	0.0	4.27	23.26	5.95	NO	
L0003024	0	0.66510E+01	499458.7	3603228.5	0.0	4.27	23.26	5.95	NO	
L0003025	0	0.66510E+01	499408.8	3603224.7	0.0	4.27	23.26	5.95	NO	
L0003026	0	0.66510E+01	499359.0	3603220.4	0.0	4.27	23.26	5.95	NO	
L0003027	0	0.66510E+01	499309.2	3603216.2	0.0	4.27	23.26	5.95	NO	
L0003028	0	0.66510E+01	499259.4	3603211.9	0.0	4.27	23.26	5.95	NO	
L0003029	0	0.66510E+01	499209.5	3603207.6	0.0	4.27	23.26	5.95	NO	
L0003030	0	0.66510E+01	499159.7	3603203.4	0.0	4.27	23.26	5.95	NO	
L0003031	0	0.66510E+01	499109.9	3603199.1	0.0	4.27	23.26	5.95	NO	
L0003032	0	0.66510E+01	499060.1	3603194.9	0.0	4.27	23.26	5.95	NO	
L0003033	0	0.66510E+01	499010.3	3603190.6	0.0	4.27	23.26	5.95	NO	
L0003034	0	0.66510E+01	498960.5	3603186.3	0.0	4.27	23.26	5.95	NO	
L0003035	0	0.66510E+01	498910.6	3603182.6	0.0	4.27	23.26	5.95	NO	
L0003036	0	0.66510E+01	498860.7	3603180.4	0.0	4.27	23.26	5.95	NO	
L0003037	0	0.66510E+01	498810.7	3603182.0	0.0	4.27	23.26			

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5.95     NO
 L0003038          0   0.66510E+01  498761.0 3603186.7     0.0     4.27    23.26
5.95     NO
 L0003039          0   0.66510E+01  498711.6 3603194.2     0.0     4.27    23.26
5.95     NO
 L0003040          0   0.66510E+01  498662.6 3603204.3     0.0     4.27    23.26
5.95     NO
 L0003164          0   0.28330E+02  498626.0 3603213.5     0.0     4.27    23.26
5.95     NO
 L0003165          0   0.28330E+02  498578.4 3603228.5     0.0     4.27    23.26
5.95     NO
 L0003166          0   0.28330E+02  498532.0 3603247.0     0.0     4.27    23.26
5.95     NO
 L0003167          0   0.28330E+02  498485.5 3603265.5     0.0     4.27    23.26
5.95     NO
 L0003168          0   0.28330E+02  498439.1 3603284.0     0.0     4.27    23.26
5.95     NO
 L0003169          0   0.28330E+02  498392.6 3603302.5     0.0     4.27    23.26
5.95     NO
 L0003170          0   0.28330E+02  498346.1 3603321.0     0.0     4.27    23.26
5.95     NO
 L0003171          0   0.28330E+02  498299.7 3603339.5     0.0     4.27    23.26
5.95     NO
 L0003172          0   0.28330E+02  498253.2 3603358.0     0.0     4.27    23.26
5.95     NO
 L0003173          0   0.62540E+01  497186.6 3600574.5     0.0     4.27    23.26
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 L0003174          0   0.62540E+01  497147.4 3600605.6     0.0     4.27    23.26
5.95     NO
 L0003175          0   0.62540E+01  497108.2 3600636.6     0.0     4.27    23.26
5.95     NO
 L0003176          0   0.62540E+01  497069.0 3600667.7     0.0     4.27    23.26
5.95     NO
 L0003177          0   0.62540E+01  497029.8 3600698.7     0.0     4.27    23.26
5.95     NO
 L0003178          0   0.62540E+01  496990.6 3600729.7     0.0     4.27    23.26
5.95     NO
 L0003179          0   0.62540E+01  496951.4 3600760.8     0.0     4.27    23.26
5.95     NO
 L0003180          0   0.62540E+01  496912.2 3600791.8     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003181	0	0.62540E+01	496873.0	3600822.8	0.0	4.27	23.26	5.95	NO	
L0003182	0	0.62540E+01	496833.8	3600853.9	0.0	4.27	23.26	5.95	NO	
L0003183	0	0.62540E+01	496794.6	3600884.9	0.0	4.27	23.26	5.95	NO	
L0003184	0	0.62540E+01	496755.4	3600916.0	0.0	4.27	23.26	5.95	NO	
L0003185	0	0.62540E+01	496716.2	3600947.0	0.0	4.27	23.26	5.95	NO	
L0003186	0	0.62540E+01	496677.0	3600978.0	0.0	4.27	23.26	5.95	NO	
L0003187	0	0.62540E+01	496638.1	3601009.5	0.0	4.27	23.26	5.95	NO	
L0003188	0	0.62540E+01	496599.4	3601041.0	0.0	4.27	23.26	5.95	NO	
L0003189	0	0.62540E+01	496560.6	3601072.6	0.0	4.27	23.26	5.95	NO	
L0003190	0	0.62540E+01	496521.8	3601104.2	0.0	4.27	23.26	5.95	NO	
L0003191	0	0.62540E+01	496483.0	3601135.7	0.0	4.27	23.26	5.95	NO	
L0003192	0	0.62540E+01	496444.2	3601167.3	0.0	4.27	23.26	5.95	NO	
L0003193	0	0.62540E+01	496405.5	3601198.8	0.0	4.27	23.26	5.95	NO	
L0003194	0	0.62540E+01	496366.7	3601230.4	0.0	4.27	23.26	5.95	NO	
L0003195	0	0.62540E+01	496327.9	3601262.0	0.0	4.27	23.26	5.95	NO	
L0003196	0	0.62540E+01	496289.1	3601293.5	0.0	4.27	23.26	5.95	NO	
L0003197	0	0.62540E+01	496258.6	3601332.8	0.0	4.27	23.26	5.95	NO	
L0003325	0	0.33520E+01	496222.5	3601391.6	0.0	4.27	23.26	5.95	NO	
L0003326	0	0.33520E+01	496201.3	3601436.8	0.0	4.27	23.26	5.95	NO	
L0003327	0	0.33520E+01	496182.7	3601483.2	0.0	4.27	23.26			

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5.95     NO
 L0003328          0   0.33520E+01  496166.3 3601530.4     0.0     4.27    23.26
5.95     NO
 L0003329          0   0.33520E+01  496149.9 3601577.6     0.0     4.27    23.26
5.95     NO
 L0003330          0   0.33520E+01  496137.5 3601625.9     0.0     4.27    23.26
5.95     NO
 L0003331          0   0.33520E+01  496128.9 3601675.2     0.0     4.27    23.26
5.95     NO
 L0003332          0   0.33520E+01  496120.2 3601724.4     0.0     4.27    23.26
5.95     NO
 L0003333          0   0.33520E+01  496111.5 3601773.6     0.0     4.27    23.26
5.95     NO
 L0003334          0   0.33520E+01  496102.8 3601822.9     0.0     4.27    23.26
5.95     NO
 L0003335          0   0.33520E+01  496094.1 3601872.1     0.0     4.27    23.26
5.95     NO
 L0003336          0   0.33520E+01  496085.4 3601921.4     0.0     4.27    23.26
5.95     NO
 L0003337          0   0.33520E+01  496074.8 3601970.2     0.0     4.27    23.26
5.95     NO
 L0003338          0   0.33520E+01  496062.6 3602018.7     0.0     4.27    23.26
5.95     NO
 L0003339          0   0.33520E+01  496050.3 3602067.1     0.0     4.27    23.26
5.95     NO
 L0003340          0   0.33520E+01  496042.2 3602116.5     0.0     4.27    23.26
5.95     NO
 L0003341          0   0.33520E+01  496034.2 3602165.8     0.0     4.27    23.26
5.95     NO
 L0003342          0   0.33520E+01  496026.2 3602215.2     0.0     4.27    23.26
5.95     NO
 L0003343          0   0.33520E+01  496018.2 3602264.5     0.0     4.27    23.26
5.95     NO
 L0003344          0   0.33520E+01  496012.6 3602314.1     0.0     4.27    23.26
5.95     NO
 L0003345          0   0.33520E+01  496012.0 3602364.1     0.0     4.27    23.26
5.95     NO
 L0003346          0   0.33520E+01  496011.4 3602414.1     0.0     4.27    23.26
5.95     NO
 L0003347          0   0.33520E+01  496014.9 3602463.9     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003348	0	0.33520E+01	496019.7	3602513.7	0.0	4.27	23.26	5.95	NO	
L0003349	0	0.33520E+01	496024.5	3602563.5	0.0	4.27	23.26	5.95	NO	
L0003350	0	0.33520E+01	496035.5	3602612.0	0.0	4.27	23.26	5.95	NO	
L0003351	0	0.33520E+01	496046.9	3602660.6	0.0	4.27	23.26	5.95	NO	
L0003352	0	0.33520E+01	496056.0	3602709.7	0.0	4.27	23.26	5.95	NO	
L0003353	0	0.33520E+01	496065.1	3602758.9	0.0	4.27	23.26	5.95	NO	
L0003354	0	0.33520E+01	496074.2	3602808.1	0.0	4.27	23.26	5.95	NO	
L0003355	0	0.33520E+01	496083.3	3602857.2	0.0	4.27	23.26	5.95	NO	
L0003356	0	0.33520E+01	496092.4	3602906.4	0.0	4.27	23.26	5.95	NO	
L0003357	0	0.33520E+01	496101.6	3602955.6	0.0	4.27	23.26	5.95	NO	
L0003358	0	0.33520E+01	496110.7	3603004.7	0.0	4.27	23.26	5.95	NO	
L0003359	0	0.33520E+01	496119.8	3603053.9	0.0	4.27	23.26	5.95	NO	
L0003360	0	0.33520E+01	496128.9	3603103.0	0.0	4.27	23.26	5.95	NO	
L0003361	0	0.33520E+01	496138.0	3603152.2	0.0	4.27	23.26	5.95	NO	
L0003362	0	0.33520E+01	496147.1	3603201.4	0.0	4.27	23.26	5.95	NO	
L0003363	0	0.33520E+01	496156.2	3603250.5	0.0	4.27	23.26	5.95	NO	
L0003364	0	0.33520E+01	496165.3	3603299.7	0.0	4.27	23.26	5.95	NO	
L0003365	0	0.33520E+01	496174.4	3603348.9	0.0	4.27	23.26	5.95	NO	
L0003366	0	0.33520E+01	496183.5	3603398.0	0.0	4.27	23.26	5.95	NO	
L0003367	0	0.25140E+01	505205.7	3602558.2	0.0	4.27	23.26			

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5.95     NO
 L0003368          0   0.25140E+01  505185.8 3602604.0     0.0     4.27    23.26
5.95     NO
 L0003369          0   0.25140E+01  505173.3 3602652.2     0.0     4.27    23.26
5.95     NO
 L0003370          0   0.25140E+01  505164.6 3602701.4     0.0     4.27    23.26
5.95     NO
 L0003371          0   0.25140E+01  505156.2 3602750.6     0.0     4.27    23.26
5.95     NO
 L0003372          0   0.25140E+01  505157.6 3602800.6     0.0     4.27    23.26
5.95     NO
 L0003373          0   0.25140E+01  505159.0 3602850.6     0.0     4.27    23.26
5.95     NO
 L0003374          0   0.25140E+01  505156.8 3602900.3     0.0     4.27    23.26
5.95     NO
 L0003375          0   0.25140E+01  505148.8 3602949.7     0.0     4.27    23.26
5.95     NO
 L0003376          0   0.25140E+01  505140.7 3602999.0     0.0     4.27    23.26
5.95     NO
 L0003377          0   0.25140E+01  505128.1 3603047.3     0.0     4.27    23.26
5.95     NO
 L0003378          0   0.25140E+01  505112.3 3603094.7     0.0     4.27    23.26
5.95     NO
 L0003379          0   0.25140E+01  505089.3 3603138.2     0.0     4.27    23.26
5.95     NO
 L0003380          0   0.25140E+01  505057.4 3603176.7     0.0     4.27    23.26
5.95     NO
 L0003381          0   0.25140E+01  505025.6 3603215.2     0.0     4.27    23.26
5.95     NO
 L0003382          0   0.25140E+01  504993.7 3603253.7     0.0     4.27    23.26
5.95     NO
 L0003383          0   0.25140E+01  504952.1 3603280.9     0.0     4.27    23.26
5.95     NO
 L0003384          0   0.25140E+01  504909.0 3603306.2     0.0     4.27    23.26
5.95     NO
 L0003385          0   0.25140E+01  504865.9 3603331.6     0.0     4.27    23.26
5.95     NO
 L0003386          0   0.25140E+01  504822.8 3603356.9     0.0     4.27    23.26
5.95     NO
 L0003387          0   0.25140E+01  504801.8 3603399.6     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDEFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003388	0	0.25140E+01	504787.5	3603447.5	0.0	4.27	23.26	5.95	NO	
L0003389	0	0.25140E+01	504773.1	3603495.4	0.0	4.27	23.26	5.95	NO	
L0003390	0	0.25140E+01	504758.8	3603543.3	0.0	4.27	23.26	5.95	NO	
L0003391	0	0.25140E+01	504742.2	3603590.4	0.0	4.27	23.26	5.95	NO	
L0003392	0	0.25140E+01	504725.0	3603637.4	0.0	4.27	23.26	5.95	NO	
L0003393	0	0.25140E+01	504707.8	3603684.3	0.0	4.27	23.26	5.95	NO	
L0003394	0	0.25140E+01	504688.9	3603730.4	0.0	4.27	23.26	5.95	NO	
L0003395	0	0.25140E+01	504662.2	3603772.7	0.0	4.27	23.26	5.95	NO	
L0003396	0	0.25140E+01	504635.5	3603815.0	0.0	4.27	23.26	5.95	NO	
L0003397	0	0.25140E+01	504608.7	3603857.2	0.0	4.27	23.26	5.95	NO	
L0003398	0	0.25140E+01	504575.0	3603894.1	0.0	4.27	23.26	5.95	NO	
L0003399	0	0.25140E+01	504541.3	3603931.1	0.0	4.27	23.26	5.95	NO	
L0003400	0	0.25140E+01	504507.6	3603968.0	0.0	4.27	23.26	5.95	NO	
L0003401	0	0.25140E+01	504472.2	3604003.2	0.0	4.27	23.26	5.95	NO	
L0003402	0	0.25140E+01	504434.4	3604036.0	0.0	4.27	23.26	5.95	NO	
L0003403	0	0.25140E+01	504396.6	3604068.7	0.0	4.27	23.26	5.95	NO	
L0003404	0	0.25140E+01	504358.3	3604100.8	0.0	4.27	23.26	5.95	NO	
L0003405	0	0.25140E+01	504318.9	3604131.5	0.0	4.27	23.26	5.95	NO	
L0003406	0	0.25140E+01	504279.4	3604162.2	0.0	4.27	23.26	5.95	NO	
L0003407	0	0.25140E+01	504239.9	3604192.9	0.0	4.27	23.26			

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 L0003408          0   0.25140E+01  504200.5 3604223.6     0.0     4.27    23.26
5.95     NO
 L0003409          0   0.25140E+01  504161.0 3604254.3     0.0     4.27    23.26
5.95     NO
 L0003410          0   0.25140E+01  504121.5 3604285.0     0.0     4.27    23.26
5.95     NO
 L0003411          0   0.25140E+01  504082.0 3604315.7     0.0     4.27    23.26
5.95     NO
 L0003412          0   0.25140E+01  504042.6 3604346.4     0.0     4.27    23.26
5.95     NO
 L0003413          0   0.25140E+01  504003.1 3604377.0     0.0     4.27    23.26
5.95     NO
 L0003414          0   0.25140E+01  503963.6 3604407.7     0.0     4.27    23.26
5.95     NO
 L0003415          0   0.25140E+01  503924.2 3604438.4     0.0     4.27    23.26
5.95     NO
 L0003416          0   0.25140E+01  503884.7 3604469.1     0.0     4.27    23.26
5.95     NO
 L0003417          0   0.25140E+01  503845.2 3604499.8     0.0     4.27    23.26
5.95     NO
 L0003418          0   0.25140E+01  503805.7 3604530.5     0.0     4.27    23.26
5.95     NO
 L0003419          0   0.25140E+01  503766.3 3604561.2     0.0     4.27    23.26
5.95     NO
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5.95     NO
 L0003421          0   0.30410E+01  503676.5 3604638.7     0.0     4.27    23.26
5.95     NO
 L0003422          0   0.30410E+01  503639.7 3604672.6     0.0     4.27    23.26
5.95     NO
 L0003423          0   0.30410E+01  503607.4 3604710.8     0.0     4.27    23.26
5.95     NO
 L0003424          0   0.30410E+01  503575.2 3604748.9     0.0     4.27    23.26
5.95     NO
 L0003425          0   0.30410E+01  503542.9 3604787.1     0.0     4.27    23.26
5.95     NO
 L0003426          0   0.30410E+01  503510.6 3604825.3     0.0     4.27    23.26
5.95     NO
 L0003427          0   0.30410E+01  503480.9 3604865.5     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003428	0	0.30410E+01	503452.7	3604906.8	0.0	4.27	23.26	5.95	NO	
L0003429	0	0.30410E+01	503424.5	3604948.0	0.0	4.27	23.26	5.95	NO	
L0003430	0	0.30410E+01	503399.6	3604991.3	0.0	4.27	23.26	5.95	NO	
L0003431	0	0.30410E+01	503376.3	3605035.6	0.0	4.27	23.26	5.95	NO	
L0003432	0	0.30410E+01	503353.0	3605079.8	0.0	4.27	23.26	5.95	NO	
L0003433	0	0.30410E+01	503330.1	3605124.2	0.0	4.27	23.26	5.95	NO	
L0003434	0	0.30410E+01	503311.1	3605170.5	0.0	4.27	23.26	5.95	NO	
L0003435	0	0.30410E+01	503292.2	3605216.8	0.0	4.27	23.26	5.95	NO	
L0003436	0	0.30410E+01	503274.5	3605263.5	0.0	4.27	23.26	5.95	NO	
L0003437	0	0.30410E+01	503257.4	3605310.5	0.0	4.27	23.26	5.95	NO	
L0003438	0	0.30410E+01	503241.2	3605357.8	0.0	4.27	23.26	5.95	NO	
L0003439	0	0.30410E+01	503228.2	3605406.0	0.0	4.27	23.26	5.95	NO	
L0003440	0	0.30410E+01	503215.1	3605454.3	0.0	4.27	23.26	5.95	NO	
L0003441	0	0.30410E+01	503204.6	3605503.1	0.0	4.27	23.26	5.95	NO	
L0003442	0	0.30410E+01	503196.2	3605552.4	0.0	4.27	23.26	5.95	NO	
L0003443	0	0.30410E+01	503187.7	3605601.7	0.0	4.27	23.26	5.95	NO	
L0003444	0	0.30410E+01	503181.0	3605651.2	0.0	4.27	23.26	5.95	NO	
L0003445	0	0.30410E+01	503175.1	3605700.9	0.0	4.27	23.26	5.95	NO	
L0003446	0	0.30410E+01	503175.1	3605750.8	0.0	4.27	23.26	5.95	NO	
L0003447	0	0.30410E+01	503176.7	3605800.8	0.0	4.27	23.26			

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5.95     NO
 L0003448          0   0.30410E+01  503178.4 3605850.7     0.0     4.27    23.26
5.95     NO
 L0003449          0   0.30410E+01  503180.1 3605900.7     0.0     4.27    23.26
5.95     NO
 L0003450          0   0.30410E+01  503181.7 3605950.7     0.0     4.27    23.26
5.95     NO
 L0003451          0   0.30410E+01  503183.4 3606000.7     0.0     4.27    23.26
5.95     NO
 L0003452          0   0.30410E+01  503185.1 3606050.6     0.0     4.27    23.26
5.95     NO
 L0003453          0   0.30410E+01  503192.4 3606099.7     0.0     4.27    23.26
5.95     NO
 L0003454          0   0.30410E+01  503206.1 3606147.8     0.0     4.27    23.26
5.95     NO
 L0003455          0   0.30410E+01  503219.9 3606195.8     0.0     4.27    23.26
5.95     NO
 L0003456          0   0.30410E+01  503233.7 3606243.9     0.0     4.27    23.26
5.95     NO
 L0003457          0   0.30410E+01  503247.5 3606292.0     0.0     4.27    23.26
5.95     NO
 L0003458          0   0.30410E+01  503261.2 3606340.0     0.0     4.27    23.26
5.95     NO
 L0003459          0   0.30410E+01  503275.0 3606388.1     0.0     4.27    23.26
5.95     NO
 L0003460          0   0.30410E+01  503288.8 3606436.2     0.0     4.27    23.26
5.95     NO
 L0003461          0   0.30410E+01  503302.5 3606484.2     0.0     4.27    23.26
5.95     NO
 L0003462          0   0.30410E+01  503316.3 3606532.3     0.0     4.27    23.26
5.95     NO
 L0003463          0   0.30410E+01  503330.1 3606580.4     0.0     4.27    23.26
5.95     NO
 L0003464          0   0.30410E+01  503343.9 3606628.4     0.0     4.27    23.26
5.95     NO
 L0003465          0   0.30410E+01  503349.1 3606678.0     0.0     4.27    23.26
5.95     NO
 L0003466          0   0.30410E+01  503353.0 3606727.9     0.0     4.27    23.26
5.95     NO
 L0003467          0   0.30410E+01  503357.0 3606777.7     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003468	0	0.30410E+01	503360.9	3606827.6	0.0	4.27	23.26	5.95	NO	
L0003469	0	0.30410E+01	503363.2	3606877.5	0.0	4.27	23.26	5.95	NO	
L0003470	0	0.30410E+01	503364.4	3606927.5	0.0	4.27	23.26	5.95	NO	
L0003471	0	0.30410E+01	503365.5	3606977.5	0.0	4.27	23.26	5.95	NO	
L0003472	0	0.30410E+01	503364.1	3607027.4	0.0	4.27	23.26	5.95	NO	
L0003473	0	0.30410E+01	503360.5	3607077.3	0.0	4.27	23.26	5.95	NO	
L0003474	0	0.30410E+01	503356.8	3607127.1	0.0	4.27	23.26	5.95	NO	
L0003475	0	0.30410E+01	503353.2	3607177.0	0.0	4.27	23.26	5.95	NO	
L0003476	0	0.30410E+01	503344.1	3607226.1	0.0	4.27	23.26	5.95	NO	
L0003477	0	0.30410E+01	503333.3	3607274.9	0.0	4.27	23.26	5.95	NO	
L0003478	0	0.30410E+01	503322.6	3607323.7	0.0	4.27	23.26	5.95	NO	
L0003697	0	0.58410E+01	503556.8	3603371.1	0.0	4.27	18.60	5.95	NO	
L0003698	0	0.58410E+01	503596.8	3603370.5	0.0	4.27	18.60	5.95	NO	
L0003699	0	0.58410E+01	503636.8	3603369.8	0.0	4.27	18.60	5.95	NO	
L0003700	0	0.58410E+01	503676.8	3603369.1	0.0	4.27	18.60	5.95	NO	
L0003701	0	0.58410E+01	503716.8	3603368.5	0.0	4.27	18.60	5.95	NO	
L0003702	0	0.58410E+01	503756.8	3603367.8	0.0	4.27	18.60	5.95	NO	
L0003703	0	0.58410E+01	503796.8	3603367.1	0.0	4.27	18.60	5.95	NO	
L0003704	0	0.58410E+01	503836.8	3603366.5	0.0	4.27	18.60	5.95	NO	
L0003705	0	0.58410E+01	503876.8	3603365.8	0.0	4.27	18.60			

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5.95     NO
 L0003706          0   0.58410E+01  503916.8 3603365.1     0.0     4.27    18.60
5.95     NO
 L0003707          0   0.58410E+01  503956.8 3603364.5     0.0     4.27    18.60
5.95     NO
 L0003708          0   0.58410E+01  503996.8 3603363.8     0.0     4.27    18.60
5.95     NO
 L0003709          0   0.58410E+01  504036.8 3603363.1     0.0     4.27    18.60
5.95     NO
 L0003710          0   0.58410E+01  504076.8 3603362.5     0.0     4.27    18.60
5.95     NO
 L0003711          0   0.58410E+01  504116.8 3603361.8     0.0     4.27    18.60
5.95     NO
 L0003712          0   0.58410E+01  504156.8 3603361.1     0.0     4.27    18.60
5.95     NO
 L0003713          0   0.58410E+01  504196.8 3603360.5     0.0     4.27    18.60
5.95     NO
 L0003714          0   0.58410E+01  504236.8 3603359.8     0.0     4.27    18.60
5.95     NO
 L0003715          0   0.58410E+01  504276.7 3603359.1     0.0     4.27    18.60
5.95     NO
 L0003716          0   0.58410E+01  504316.7 3603358.5     0.0     4.27    18.60
5.95     NO
 L0003717          0   0.51380E+01  504366.9 3603357.2     0.0     4.27    18.60
5.95     NO
 L0003718          0   0.51380E+01  504406.9 3603357.0     0.0     4.27    18.60
5.95     NO
 L0003719          0   0.51380E+01  504446.9 3603356.7     0.0     4.27    18.60
5.95     NO
 L0003720          0   0.51380E+01  504486.9 3603356.5     0.0     4.27    18.60
5.95     NO
 L0003721          0   0.51380E+01  504526.9 3603356.3     0.0     4.27    18.60
5.95     NO
 L0003722          0   0.51380E+01  504566.9 3603356.0     0.0     4.27    18.60
5.95     NO
 L0003723          0   0.51380E+01  504606.9 3603355.8     0.0     4.27    18.60
5.95     NO
 L0003724          0   0.51380E+01  504646.9 3603355.6     0.0     4.27    18.60
5.95     NO
 L0003725          0   0.51380E+01  504686.9 3603355.3     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003726	0	0.51380E+01	504726.9	3603355.1	0.0	4.27	18.60	5.95	NO	
L0003727	0	0.51380E+01	504766.9	3603354.9	0.0	4.27	18.60	5.95	NO	
L0003728	0	0.51380E+01	504806.9	3603354.6	0.0	4.27	18.60	5.95	NO	
L0003729	0	0.62330E+01	501070.8	3602603.2	0.0	4.27	18.60	5.95	NO	
L0003730	0	0.62330E+01	501030.8	3602603.0	0.0	4.27	18.60	5.95	NO	
L0003731	0	0.62330E+01	500990.8	3602602.7	0.0	4.27	18.60	5.95	NO	
L0003732	0	0.62330E+01	500950.8	3602602.3	0.0	4.27	18.60	5.95	NO	
L0003733	0	0.62330E+01	500910.8	3602602.0	0.0	4.27	18.60	5.95	NO	
L0003734	0	0.62330E+01	500870.9	3602600.5	0.0	4.27	18.60	5.95	NO	
L0003735	0	0.62330E+01	500831.5	3602593.7	0.0	4.27	18.60	5.95	NO	
L0003736	0	0.62330E+01	500792.1	3602586.9	0.0	4.27	18.60	5.95	NO	
L0003737	0	0.62330E+01	500754.5	3602573.1	0.0	4.27	18.60	5.95	NO	
L0003738	0	0.62330E+01	500718.5	3602555.9	0.0	4.27	18.60	5.95	NO	
L0003739	0	0.62330E+01	500683.3	3602537.0	0.0	4.27	18.60	5.95	NO	
L0003740	0	0.62330E+01	500649.0	3602516.3	0.0	4.27	18.60	5.95	NO	
L0003741	0	0.62330E+01	500614.9	3602495.5	0.0	4.27	18.60	5.95	NO	
L0003742	0	0.62330E+01	500577.9	3602480.6	0.0	4.27	18.60	5.95	NO	
L0003743	0	0.62330E+01	500540.0	3602468.1	0.0	4.27	18.60	5.95	NO	
L0003744	0	0.62330E+01	500500.8	3602459.9	0.0	4.27	18.60	5.95	NO	
L0003745	0	0.62330E+01	500461.3	3602454.1	0.0	4.27	18.60			

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5.95     NO
 L0003746          0   0.62330E+01  500421.4 3602452.4     0.0     4.27    18.60
5.95     NO
 L0003747          0   0.62330E+01  500381.4 3602450.6     0.0     4.27    18.60
5.95     NO
 L0003748          0   0.62330E+01  500341.4 3602450.3     0.0     4.27    18.60
5.95     NO
 L0003749          0   0.62330E+01  500301.4 3602449.9     0.0     4.27    18.60
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 L0003750          0   0.13630E+02  505993.4 3602159.7     0.0     4.27    18.60
5.95     NO
 L0003751          0   0.13630E+02  505953.5 3602158.5     0.0     4.27    18.60
5.95     NO
 L0003752          0   0.13630E+02  505913.7 3602153.9     0.0     4.27    18.60
5.95     NO
 L0003753          0   0.13630E+02  505874.7 3602145.7     0.0     4.27    18.60
5.95     NO
 L0003754          0   0.13630E+02  505838.7 3602129.0     0.0     4.27    18.60
5.95     NO
 L0003755          0   0.13630E+02  505804.8 3602107.8     0.0     4.27    18.60
5.95     NO
 L0003756          0   0.13630E+02  505771.6 3602085.5     0.0     4.27    18.60
5.95     NO
 L0003757          0   0.13630E+02  505738.4 3602063.2     0.0     4.27    18.60
5.95     NO
 L0003758          0   0.13630E+02  505705.2 3602040.9     0.0     4.27    18.60
5.95     NO
 L0003759          0   0.13630E+02  505672.0 3602018.6     0.0     4.27    18.60
5.95     NO
 L0003760          0   0.92720E+01  505627.4 3601988.2     0.0     4.27    18.60
5.95     NO
 L0003761          0   0.92720E+01  505594.7 3601965.3     0.0     4.27    18.60
5.95     NO
 L0003762          0   0.92720E+01  505562.0 3601942.3     0.0     4.27    18.60
5.95     NO
 L0003763          0   0.92720E+01  505529.2 3601919.3     0.0     4.27    18.60
5.95     NO
 L0003764          0   0.92720E+01  505496.5 3601896.3     0.0     4.27    18.60
5.95     NO
 L0003765          0   0.92720E+01  505463.7 3601873.3     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDEFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003766	0	0.92720E+01	505431.0	3601850.4	0.0	4.27	18.60	5.95	NO	
L0003767	0	0.92720E+01	505397.6	3601828.4	0.0	4.27	18.60	5.95	NO	
L0003768	0	0.92720E+01	505363.1	3601808.1	0.0	4.27	18.60	5.95	NO	
L0003769	0	0.92720E+01	505328.7	3601787.7	0.0	4.27	18.60	5.95	NO	
L0003770	0	0.92720E+01	505292.7	3601770.3	0.0	4.27	18.60	5.95	NO	
L0003771	0	0.92720E+01	505254.9	3601757.7	0.0	4.27	18.60	5.95	NO	
L0003772	0	0.92720E+01	505216.2	3601747.6	0.0	4.27	18.60	5.95	NO	
L0003773	0	0.92720E+01	505177.3	3601738.9	0.0	4.27	18.60	5.95	NO	
L0003774	0	0.56110E+01	499493.0	3606142.0	0.0	4.27	23.26	5.95	NO	
L0003775	0	0.56110E+01	499509.3	3606094.7	0.0	4.27	23.26	5.95	NO	
L0003776	0	0.56110E+01	499525.6	3606047.4	0.0	4.27	23.26	5.95	NO	
L0003777	0	0.56110E+01	499542.0	3606000.2	0.0	4.27	23.26	5.95	NO	
L0003778	0	0.56110E+01	499558.3	3605952.9	0.0	4.27	23.26	5.95	NO	
L0003779	0	0.56110E+01	499574.6	3605905.7	0.0	4.27	23.26	5.95	NO	
L0003780	0	0.56110E+01	499591.0	3605858.4	0.0	4.27	23.26	5.95	NO	
L0003781	0	0.56110E+01	499607.3	3605811.2	0.0	4.27	23.26	5.95	NO	
L0003782	0	0.56110E+01	499623.6	3605763.9	0.0	4.27	23.26	5.95	NO	
L0003783	0	0.56110E+01	499640.0	3605716.6	0.0	4.27	23.26	5.95	NO	
L0003784	0	0.56110E+01	499656.3	3605669.4	0.0	4.27	23.26	5.95	NO	
L0003785	0	0.56110E+01	499672.6	3605622.1	0.0	4.27	23.26			

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5.95     NO
 L0003786          0   0.56110E+01  499689.0 3605574.9     0.0     4.27    23.26
5.95     NO
 L0003787          0   0.56110E+01  499705.3 3605527.6     0.0     4.27    23.26
5.95     NO
 L0003788          0   0.56110E+01  499721.6 3605480.4     0.0     4.27    23.26
5.95     NO
 L0003789          0   0.56110E+01  499739.9 3605434.6     0.0     4.27    23.26
5.95     NO
 L0003790          0   0.56110E+01  499782.3 3605408.1     0.0     4.27    23.26
5.95     NO
 L0003791          0   0.56110E+01  499824.4 3605381.3     0.0     4.27    23.26
5.95     NO
 L0003792          0   0.56110E+01  499844.0 3605335.3     0.0     4.27    23.26
5.95     NO
 L0003793          0   0.56110E+01  499863.5 3605289.3     0.0     4.27    23.26
5.95     NO
 L0003794          0   0.56110E+01  499883.1 3605243.3     0.0     4.27    23.26
5.95     NO
 L0003795          0   0.56110E+01  499902.7 3605197.3     0.0     4.27    23.26
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 L0003796          0   0.56110E+01  499918.1 3605150.4     0.0     4.27    23.26
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 L0003797          0   0.56110E+01  499918.8 3605100.4     0.0     4.27    23.26
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 L0003799          0   0.56110E+01  499920.3 3605000.5     0.0     4.27    23.26
5.95     NO
 L0003800          0   0.56110E+01  499921.0 3604950.5     0.0     4.27    23.26
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 L0003801          0   0.56110E+01  499921.8 3604900.5     0.0     4.27    23.26
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 L0003802          0   0.56110E+01  499924.9 3604850.8     0.0     4.27    23.26
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 L0003803          0   0.56110E+01  499935.7 3604801.9     0.0     4.27    23.26
5.95     NO
 L0003804          0   0.56110E+01  499946.5 3604753.1     0.0     4.27    23.26
5.95     NO
 L0003805          0   0.56110E+01  499957.3 3604704.3     0.0     4.27    23.26
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003806	0	0.96080E+01	499970.0	3604650.4	0.0	4.27	23.26	5.95	NO	
L0003807	0	0.96080E+01	499982.4	3604601.9	0.0	4.27	23.26	5.95	NO	
L0003808	0	0.96080E+01	499994.8	3604553.5	0.0	4.27	23.26	5.95	NO	
L0003809	0	0.96080E+01	500007.2	3604505.1	0.0	4.27	23.26	5.95	NO	
L0003810	0	0.96080E+01	500019.6	3604456.6	0.0	4.27	23.26	5.95	NO	
L0003811	0	0.96080E+01	500032.1	3604408.2	0.0	4.27	23.26	5.95	NO	
L0003812	0	0.96080E+01	500044.5	3604359.7	0.0	4.27	23.26	5.95	NO	
L0003813	0	0.96080E+01	500056.9	3604311.3	0.0	4.27	23.26	5.95	NO	
L0003814	0	0.96080E+01	500069.3	3604262.9	0.0	4.27	23.26	5.95	NO	
L0003815	0	0.96080E+01	500081.7	3604214.4	0.0	4.27	23.26	5.95	NO	
L0003816	0	0.96080E+01	500094.1	3604166.0	0.0	4.27	23.26	5.95	NO	
L0003817	0	0.96080E+01	500106.5	3604117.6	0.0	4.27	23.26	5.95	NO	
L0003818	0	0.96080E+01	500118.9	3604069.1	0.0	4.27	23.26	5.95	NO	
L0003819	0	0.96080E+01	500132.3	3604021.0	0.0	4.27	23.26	5.95	NO	
L0003820	0	0.96080E+01	500147.5	3603973.4	0.0	4.27	23.26	5.95	NO	
L0003821	0	0.96080E+01	500162.8	3603925.7	0.0	4.27	23.26	5.95	NO	
L0003822	0	0.96080E+01	500178.1	3603878.1	0.0	4.27	23.26	5.95	NO	
L0003823	0	0.13630E+02	501899.8	3602963.7	0.0	0.00	18.60	5.95	NO	
L0003824	0	0.13630E+02	501899.6	3602923.7	0.0	0.00	18.60	5.95	NO	
L0003825	0	0.13630E+02	501899.3	3602883.7	0.0	0.00	18.60			

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5.95     NO
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5.95     NO
 L0003827          0   0.13630E+02  501898.8 3602803.7     0.0     0.00    18.60
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 L0003828          0   0.13630E+02  501898.5 3602763.7     0.0     0.00    18.60
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 L0003860          0   0.13850E+02  503530.8 3602599.1     0.0     4.27    18.60
5.95     NO
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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 ,
	L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 ,
	L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 ,
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	L0003273 , L0003274 , L0003275 , L0003276 , L0003277 , L0003278 , L0003279 , L0003280 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
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L0002813 , L0002814 , L0002815 , L0002816 , L0002817 ,
L0002818 , L0002819 , L0002820 ,

L0002821 , L0002822 , L0002823 , L0002824 , L0002825 ,
L0002826 , L0002827 , L0002828 ,

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L0002834 , L0002835 , L0002836 ,

L0002837 , L0002838 , L0002839 , L0002840 , L0002841 ,
L0002975 , L0002976 , L0002977 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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L0003034 , L0003035 , L0003036 , L0003037 , L0003038 , L0003039 , L0003040 , L0003164 ,

L0003165 , L0003166 , L0003167 , L0003168 , L0003169 , L0003170 , L0003171 , L0003172 ,

L0003173 , L0003174 , L0003175 , L0003176 , L0003177 , L0003178 , L0003179 , L0003180 ,

L0003181 , L0003182 , L0003183 , L0003184 , L0003185 , L0003186 , L0003187 , L0003188 ,

L0003189 , L0003190 , L0003191 , L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,

L0003197 , L0003325 , L0003326 , L0003327 , L0003328 , L0003329 , L0003330 , L0003331 ,

L0003332 , L0003333 , L0003334 , L0003335 , L0003336 , L0003337 , L0003338 , L0003339 ,

L0003340 , L0003341 , L0003342 , L0003343 , L0003344 , L0003345 , L0003346 , L0003347 ,

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L0003348 , L0003349 , L0003350 , L0003351 , L0003352 , L0003353 , L0003354 , L0003355 ,

L0003356 , L0003357 , L0003358 , L0003359 , L0003360 , L0003361 , L0003362 , L0003363 ,

L0003364 , L0003365 , L0003366 , L0003367 , L0003368 , L0003369 , L0003370 , L0003371 ,

L0003372 , L0003373 , L0003374 , L0003375 , L0003376 , L0003377 , L0003378 , L0003379 ,

L0003380 , L0003381 , L0003382 , L0003383 , L0003384 , L0003385 , L0003386 , L0003387 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0003388 , L0003389 , L0003390 , L0003391 , L0003392 , L0003393 , L0003394 , L0003395 ,

L0003396 , L0003397 , L0003398 , L0003399 , L0003400 , L0003401 , L0003402 , L0003403 ,

L0003404 , L0003405 , L0003406 , L0003407 , L0003408 , L0003409 , L0003410 , L0003411 ,

L0003412 , L0003413 , L0003414 , L0003415 , L0003416 , L0003417 , L0003418 , L0003419 ,

L0003420 , L0003421 , L0003422 , L0003423 , L0003424 , L0003425 , L0003426 , L0003427 ,

L0003428 , L0003429 , L0003430 , L0003431 , L0003432 , L0003433 , L0003434 , L0003435 ,

L0003436 , L0003437 , L0003438 , L0003439 , L0003440 , L0003441 , L0003442 , L0003443 ,

L0003444 , L0003445 , L0003446 , L0003447 , L0003448 , L0003449 , L0003450 , L0003451 ,

L0003452 , L0003453 , L0003454 , L0003455 , L0003456 , L0003457 , L0003458 , L0003459 ,

L0003460 , L0003461 , L0003462 , L0003463 , L0003464 , L0003465 , L0003466 , L0003467 ,

L0003468 , L0003469 , L0003470 , L0003471 , L0003472 , L0003473 , L0003474 , L0003475 ,

L0003476 , L0003477 , L0003478 , L0003697 , L0003698 , L0003699 , L0003700 , L0003701 ,

L0003702 , L0003703 , L0003704 , L0003705 , L0003706 , L0003707 , L0003708 , L0003709 ,

L0003710 , L0003711 , L0003712 , L0003713 , L0003714 , L0003715 , L0003716 , L0003717 ,

L0003718 , L0003719 , L0003720 , L0003721 , L0003722 , L0003723 , L0003724 , L0003725 ,

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L0003726 , L0003727 , L0003728 , L0003729 , L0003730 , L0003731 , L0003732 , L0003733 ,

L0003734 , L0003735 , L0003736 , L0003737 , L0003738 , L0003739 , L0003740 , L0003741 ,

L0003742 , L0003743 , L0003744 , L0003745 , L0003746 , L0003747 , L0003748 , L0003749 ,

L0003750 , L0003751 , L0003752 , L0003753 , L0003754 , L0003755 , L0003756 , L0003757 ,

L0003758 , L0003759 , L0003760 , L0003761 , L0003762 , L0003763 , L0003764 , L0003765 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0003766 , L0003767 , L0003768 , L0003769 , L0003770 , L0003771 , L0003772 , L0003773 ,

L0003774 , L0003775 , L0003776 , L0003777 , L0003778 , L0003779 , L0003780 , L0003781 ,

L0003782 , L0003783 , L0003784 , L0003785 , L0003786 , L0003787 , L0003788 , L0003789 ,

L0003790 , L0003791 , L0003792 , L0003793 , L0003794 , L0003795 , L0003796 , L0003797 ,

L0003798 , L0003799 , L0003800 , L0003801 , L0003802 , L0003803 , L0003804 , L0003805 ,

L0003806 , L0003807 , L0003808 , L0003809 , L0003810 , L0003811 , L0003812 , L0003813 ,

L0003814 , L0003815 , L0003816 , L0003817 , L0003818 , L0003819 , L0003820 , L0003821 ,

L0003822 , L0003823 , L0003824 , L0003825 , L0003826 , L0003827 , L0003828 , L0003829 ,

L0003830 , L0003831 , L0003832 , L0003851 , L0003852 , L0003853 , L0003854 , L0003855 ,

L0003856 , L0003857 , L0003858 , L0003859 , L0003860 ,

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

495921.3, 496071.3, 496221.3, 496371.3, 496521.3, 496671.3, 496821.3, 496971.3, 497121.3, 497271.3,
497421.3, 497571.3, 497721.3, 497871.3, 498021.3, 498171.3, 498321.3, 498471.3, 498621.3, 498771.3,
498921.3,

*** Y-COORDINATES OF GRID ***
(METERS)

3600584.9, 3600734.9, 3600884.9, 3601034.9, 3601184.9, 3601334.9, 3601484.9, 3601634.9, 3601784.9, 3601934.9,
3602084.9, 3602234.9, 3602384.9, 3602534.9, 3602684.9, 3602834.9, 3602984.9, 3603134.9, 3603284.9, 3603434.9,
3603584.9,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32	496671.32	496821.32	496971.32	497121.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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```
  3600584.90 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497271.32	497421.32	497571.32	497721.32	497871.32	498021.32	498171.32	498321.32	498471.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600584.90 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498621.32	498771.32	498921.32
3603584.90	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00
3600584.90	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32	496671.32	496821.32	496971.32	497121.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497271.32	497421.32	497571.32	497721.32	497871.32	498021.32	498171.32	498321.32	498471.32
3603584.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600584.90 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498621.32	498771.32	498921.32
3603584.90	0.00	0.00	0.00
3603434.90	0.00	0.00	0.00
3603284.90	0.00	0.00	0.00
3603134.90	0.00	0.00	0.00
3602984.90	0.00	0.00	0.00
3602834.90	0.00	0.00	0.00
3602684.90	0.00	0.00	0.00
3602534.90	0.00	0.00	0.00
3602384.90	0.00	0.00	0.00
3602234.90	0.00	0.00	0.00
3602084.90	0.00	0.00	0.00
3601934.90	0.00	0.00	0.00
3601784.90	0.00	0.00	0.00
3601634.90	0.00	0.00	0.00
3601484.90	0.00	0.00	0.00
3601334.90	0.00	0.00	0.00
3601184.90	0.00	0.00	0.00
3601034.90	0.00	0.00	0.00
3600884.90	0.00	0.00	0.00
3600734.90	0.00	0.00	0.00
3600584.90	0.00	0.00	0.00

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

495924.4, 496074.4, 496224.4, 496374.4, 496524.4, 496674.4, 496824.4, 496974.4, 497124.4, 497274.4,
497424.4, 497574.4, 497724.4, 497874.4, 498024.4, 498174.4, 498324.4, 498474.4, 498624.4, 498774.4,
498924.4,

*** Y-COORDINATES OF GRID ***
(METERS)

3603567.5, 3603717.5, 3603867.5, 3604017.5, 3604167.5, 3604317.5, 3604467.5, 3604617.5, 3604767.5, 3604917.5,
3605067.5, 3605217.5, 3605367.5, 3605517.5, 3605667.5, 3605817.5, 3605967.5, 3606117.5, 3606267.5, 3606417.5,
3606567.5,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40	496674.40	496824.40	496974.40	497124.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603567.52 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497274.40	497424.40	497574.40	497724.40	497874.40	498024.40	498174.40	498324.40	498474.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603567.52 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498624.40	498774.40	498924.40
3606567.52	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00
3603567.52	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40	496674.40	496824.40	496974.40	497124.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603567.52 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497274.40	497424.40	497574.40	497724.40	497874.40	498024.40	498174.40	498324.40	498474.40
3606567.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603567.52 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498624.40	498774.40	498924.40
3606567.52	0.00	0.00	0.00
3606417.52	0.00	0.00	0.00
3606267.52	0.00	0.00	0.00
3606117.52	0.00	0.00	0.00
3605967.52	0.00	0.00	0.00
3605817.52	0.00	0.00	0.00
3605667.52	0.00	0.00	0.00
3605517.52	0.00	0.00	0.00
3605367.52	0.00	0.00	0.00
3605217.52	0.00	0.00	0.00
3605067.52	0.00	0.00	0.00
3604917.52	0.00	0.00	0.00
3604767.52	0.00	0.00	0.00
3604617.52	0.00	0.00	0.00
3604467.52	0.00	0.00	0.00
3604317.52	0.00	0.00	0.00
3604167.52	0.00	0.00	0.00
3604017.52	0.00	0.00	0.00
3603867.52	0.00	0.00	0.00
3603717.52	0.00	0.00	0.00
3603567.52	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

498904.5, 499054.5, 499204.5, 499354.5, 499504.5, 499654.5, 499804.5, 499954.5, 500104.5, 500254.5,
500404.5, 500554.5, 500704.5, 500854.5, 501004.5, 501154.5, 501304.5, 501454.5, 501604.5, 501754.5,
501904.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3600584.8, 3600734.8, 3600884.8, 3601034.8, 3601184.8, 3601334.8, 3601484.8, 3601634.8, 3601784.8, 3601934.8,
3602084.8, 3602234.8, 3602384.8, 3602534.8, 3602684.8, 3602834.8, 3602984.8, 3603134.8, 3603284.8, 3603434.8,
3603584.8,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52	499654.52	499804.52	499954.52	500104.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600584.79 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500254.52	500404.52	500554.52	500704.52	500854.52	501004.52	501154.52	501304.52	501454.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600584.79 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501604.52	501754.52	501904.52
3603584.79	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00
3600584.79	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52	499654.52	499804.52	499954.52	500104.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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```
  3600584.79 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500254.52	500404.52	500554.52	500704.52	500854.52	501004.52	501154.52	501304.52	501454.52
3603584.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600584.79 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501604.52	501754.52	501904.52
3603584.79	0.00	0.00	0.00
3603434.79	0.00	0.00	0.00
3603284.79	0.00	0.00	0.00
3603134.79	0.00	0.00	0.00
3602984.79	0.00	0.00	0.00
3602834.79	0.00	0.00	0.00
3602684.79	0.00	0.00	0.00
3602534.79	0.00	0.00	0.00
3602384.79	0.00	0.00	0.00
3602234.79	0.00	0.00	0.00
3602084.79	0.00	0.00	0.00
3601934.79	0.00	0.00	0.00
3601784.79	0.00	0.00	0.00
3601634.79	0.00	0.00	0.00
3601484.79	0.00	0.00	0.00
3601334.79	0.00	0.00	0.00
3601184.79	0.00	0.00	0.00
3601034.79	0.00	0.00	0.00
3600884.79	0.00	0.00	0.00
3600734.79	0.00	0.00	0.00
3600584.79	0.00	0.00	0.00

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

498903.4, 499053.4, 499203.4, 499353.4, 499503.4, 499653.4, 499803.4, 499953.4, 500103.4, 500253.4,
500403.4, 500553.4, 500703.4, 500853.4, 501003.4, 501153.4, 501303.4, 501453.4, 501603.4, 501753.4,
501903.4,

*** Y-COORDINATES OF GRID ***
(METERS)

3603568.1, 3603718.1, 3603868.1, 3604018.1, 3604168.1, 3604318.1, 3604468.1, 3604618.1, 3604768.1, 3604918.1,
3605068.1, 3605218.1, 3605368.1, 3605518.1, 3605668.1, 3605818.1, 3605968.1, 3606118.1, 3606268.1, 3606418.1,
3606568.1,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40	499653.40	499803.40	499953.40	500103.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500253.40	500403.40	500553.40	500703.40	500853.40	501003.40	501153.40	501303.40	501453.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501603.40	501753.40	501903.40
3606568.08	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00
3603568.08	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40	499653.40	499803.40	499953.40	500103.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 500253.40	500403.40	500553.40	500703.40	500853.40	501003.40	501153.40	501303.40	501453.40
3606568.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603568.08 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501603.40	501753.40	501903.40
3606568.08	0.00	0.00	0.00
3606418.08	0.00	0.00	0.00
3606268.08	0.00	0.00	0.00
3606118.08	0.00	0.00	0.00
3605968.08	0.00	0.00	0.00
3605818.08	0.00	0.00	0.00
3605668.08	0.00	0.00	0.00
3605518.08	0.00	0.00	0.00
3605368.08	0.00	0.00	0.00
3605218.08	0.00	0.00	0.00
3605068.08	0.00	0.00	0.00
3604918.08	0.00	0.00	0.00
3604768.08	0.00	0.00	0.00
3604618.08	0.00	0.00	0.00
3604468.08	0.00	0.00	0.00
3604318.08	0.00	0.00	0.00
3604168.08	0.00	0.00	0.00
3604018.08	0.00	0.00	0.00
3603868.08	0.00	0.00	0.00
3603718.08	0.00	0.00	0.00
3603568.08	0.00	0.00	0.00

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

501887.1, 502037.1, 502187.1, 502337.1, 502487.1, 502637.1, 502787.1, 502937.1, 503087.1, 503237.1,
503387.1, 503537.1, 503687.1, 503837.1, 503987.1, 504137.1, 504287.1, 504437.1, 504587.1, 504737.1,
504887.1,

*** Y-COORDINATES OF GRID ***
(METERS)

3600585.1, 3600735.1, 3600885.1, 3601035.1, 3601185.1, 3601335.1, 3601485.1, 3601635.1, 3601785.1, 3601935.1,
3602085.1, 3602235.1, 3602385.1, 3602535.1, 3602685.1, 3602835.1, 3602985.1, 3603135.1, 3603285.1, 3603435.1,
3603585.1,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15	502637.15	502787.15	502937.15	503087.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600585.14 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503237.15	503387.15	503537.15	503687.15	503837.15	503987.15	504137.15	504287.15	504437.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600585.14 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504587.15	504737.15	504887.15
3603585.14	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00
3600585.14	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15	502637.15	502787.15	502937.15	503087.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3600585.14 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503237.15	503387.15	503537.15	503687.15	503837.15	503987.15	504137.15	504287.15	504437.15
3603585.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600585.14 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504587.15	504737.15	504887.15
3603585.14	0.00	0.00	0.00
3603435.14	0.00	0.00	0.00
3603285.14	0.00	0.00	0.00
3603135.14	0.00	0.00	0.00
3602985.14	0.00	0.00	0.00
3602835.14	0.00	0.00	0.00
3602685.14	0.00	0.00	0.00
3602535.14	0.00	0.00	0.00
3602385.14	0.00	0.00	0.00
3602235.14	0.00	0.00	0.00
3602085.14	0.00	0.00	0.00
3601935.14	0.00	0.00	0.00
3601785.14	0.00	0.00	0.00
3601635.14	0.00	0.00	0.00
3601485.14	0.00	0.00	0.00
3601335.14	0.00	0.00	0.00
3601185.14	0.00	0.00	0.00
3601035.14	0.00	0.00	0.00
3600885.14	0.00	0.00	0.00
3600735.14	0.00	0.00	0.00
3600585.14	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

501885.7, 502035.7, 502185.7, 502335.7, 502485.7, 502635.7, 502785.7, 502935.7, 503085.7, 503235.7,
503385.7, 503535.7, 503685.7, 503835.7, 503985.7, 504135.7, 504285.7, 504435.7, 504585.7, 504735.7,
504885.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3603565.9, 3603715.9, 3603865.9, 3604015.9, 3604165.9, 3604315.9, 3604465.9, 3604615.9, 3604765.9, 3604915.9,
3605065.9, 3605215.9, 3605365.9, 3605515.9, 3605665.9, 3605815.9, 3605965.9, 3606115.9, 3606265.9, 3606415.9,
3606565.9,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74	502635.74	502785.74	502935.74	503085.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603565.94 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503235.74	503385.74	503535.74	503685.74	503835.74	503985.74	504135.74	504285.74	504435.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603565.94 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504585.74	504735.74	504885.74
3606565.94	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00
3603565.94	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74	502635.74	502785.74	502935.74	503085.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603565.94 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 503235.74	503385.74	503535.74	503685.74	503835.74	503985.74	504135.74	504285.74	504435.74
3606565.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603565.94 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504585.74	504735.74	504885.74
3606565.94	0.00	0.00	0.00
3606415.94	0.00	0.00	0.00
3606265.94	0.00	0.00	0.00
3606115.94	0.00	0.00	0.00
3605965.94	0.00	0.00	0.00
3605815.94	0.00	0.00	0.00
3605665.94	0.00	0.00	0.00
3605515.94	0.00	0.00	0.00
3605365.94	0.00	0.00	0.00
3605215.94	0.00	0.00	0.00
3605065.94	0.00	0.00	0.00
3604915.94	0.00	0.00	0.00
3604765.94	0.00	0.00	0.00
3604615.94	0.00	0.00	0.00
3604465.94	0.00	0.00	0.00
3604315.94	0.00	0.00	0.00
3604165.94	0.00	0.00	0.00
3604015.94	0.00	0.00	0.00
3603865.94	0.00	0.00	0.00
3603715.94	0.00	0.00	0.00
3603565.94	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

504863.6, 505013.6, 505163.6, 505313.6, 505463.6, 505613.6, 505763.6, 505913.6, 506063.6, 506213.6,
506363.6, 506513.6, 506663.6, 506813.6, 506963.6, 507113.6, 507263.6, 507413.6, 507563.6, 507713.6,
507863.6,

*** Y-COORDINATES OF GRID ***
(METERS)

3600584.0, 3600734.0, 3600884.0, 3601034.0, 3601184.0, 3601334.0, 3601484.0, 3601634.0, 3601784.0, 3601934.0,
3602084.0, 3602234.0, 3602384.0, 3602534.0, 3602684.0, 3602834.0, 3602984.0, 3603134.0, 3603284.0, 3603434.0,
3603584.0,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59	505613.59	505763.59	505913.59	506063.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600583.99 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.59	506363.59	506513.59	506663.59	506813.59	506963.59	507113.59	507263.59	507413.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600583.99 | 0.00 0.00 0.00 0.00 0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.59	507713.59	507863.59
3603583.99	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00
3600583.99	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59	505613.59	505763.59	505913.59	506063.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.59	506363.59	506513.59	506663.59	506813.59	506963.59	507113.59	507263.59	507413.59
3603583.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3600583.99 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.59	507713.59	507863.59
3603583.99	0.00	0.00	0.00
3603433.99	0.00	0.00	0.00
3603283.99	0.00	0.00	0.00
3603133.99	0.00	0.00	0.00
3602983.99	0.00	0.00	0.00
3602833.99	0.00	0.00	0.00
3602683.99	0.00	0.00	0.00
3602533.99	0.00	0.00	0.00
3602383.99	0.00	0.00	0.00
3602233.99	0.00	0.00	0.00
3602083.99	0.00	0.00	0.00
3601933.99	0.00	0.00	0.00
3601783.99	0.00	0.00	0.00
3601633.99	0.00	0.00	0.00
3601483.99	0.00	0.00	0.00
3601333.99	0.00	0.00	0.00
3601183.99	0.00	0.00	0.00
3601033.99	0.00	0.00	0.00
3600883.99	0.00	0.00	0.00
3600733.99	0.00	0.00	0.00
3600583.99	0.00	0.00	0.00

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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

504864.0, 505014.0, 505164.0, 505314.0, 505464.0, 505614.0, 505764.0, 505914.0, 506064.0, 506214.0,
506364.0, 506514.0, 506664.0, 506814.0, 506964.0, 507114.0, 507264.0, 507414.0, 507564.0, 507714.0,
507864.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3603564.5, 3603714.5, 3603864.5, 3604014.5, 3604164.5, 3604314.5, 3604464.5, 3604614.5, 3604764.5, 3604914.5,
3605064.5, 3605214.5, 3605364.5, 3605514.5, 3605664.5, 3605814.5, 3605964.5, 3606114.5, 3606264.5, 3606414.5,
3606564.5,

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98	505613.98	505763.98	505913.98	506063.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603564.47 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.98	506363.98	506513.98	506663.98	506813.98	506963.98	507113.98	507263.98	507413.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603564.47 |          0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.98	507713.98	507863.98
3606564.47	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00
3603564.47	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98	505613.98	505763.98	505913.98	506063.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3603564.47 | 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00

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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 506213.98	506363.98	506513.98	506663.98	506813.98	506963.98	507113.98	507263.98	507413.98
3606564.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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  3603564.47 |           0.00          0.00          0.00          0.00          0.00
0.00          0.00          0.00          0.00
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**MODELOPTs: RegDFAULT CONC ELEV

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 507563.98	507713.98	507863.98
3606564.47	0.00	0.00	0.00
3606414.47	0.00	0.00	0.00
3606264.47	0.00	0.00	0.00
3606114.47	0.00	0.00	0.00
3605964.47	0.00	0.00	0.00
3605814.47	0.00	0.00	0.00
3605664.47	0.00	0.00	0.00
3605514.47	0.00	0.00	0.00
3605364.47	0.00	0.00	0.00
3605214.47	0.00	0.00	0.00
3605064.47	0.00	0.00	0.00
3604914.47	0.00	0.00	0.00
3604764.47	0.00	0.00	0.00
3604614.47	0.00	0.00	0.00
3604464.47	0.00	0.00	0.00
3604314.47	0.00	0.00	0.00
3604164.47	0.00	0.00	0.00
3604014.47	0.00	0.00	0.00
3603864.47	0.00	0.00	0.00
3603714.47	0.00	0.00	0.00
3603564.47	0.00	0.00	0.00

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**MODELOPTs: RegDFAULT CONC ELEV

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002913	505763.6	3601484.0	-6.38
L0002916	505763.6	3601634.0	-1.07
L0002925	505613.6	3602084.0	-29.25
L0002926	505613.6	3602084.0	-5.90
L0002929	505463.6	3602234.0	-28.90
L0002930	505463.6	3602234.0	-20.99
L0002933	505313.6	3602384.0	-11.09
L0002934	505313.6	3602384.0	-21.85
L0002938	505163.6	3602534.0	-8.45
L0002946	504887.1	3602835.1	-26.42
L0002946	504863.6	3602834.0	-4.05
L0002947	504887.1	3602835.1	-22.95
L0002947	504863.6	3602834.0	-30.55
L0002953	504587.1	3602985.1	-19.81
L0002956	504437.1	3602985.1	-35.76
L0002959	504287.1	3602985.1	-36.99
L0002960	504287.1	3602985.1	0.96
L0002962	504137.1	3602985.1	-38.23
L0002963	504137.1	3602985.1	0.66

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L0002965	503987.1	3602985.1	-
39.46			
L0002966	503987.1	3602985.1	
0.39			
L0002968	503837.1	3602985.1	-
40.69			
L0002969	503837.1	3602985.1	
0.15			
L0002971	503687.1	3602985.1	-
41.92			
L0002972	503687.1	3602985.1	-
0.05			
L0002974	503537.1	3602985.1	-
43.15			
L0003124	498171.3	3603434.9	-
5.62			
L0003126	498021.3	3603434.9	-
23.99			
L0003127	498021.3	3603434.9	-
23.54			
L0003129	497871.3	3603434.9	-
4.11			
L0003130	497871.3	3603434.9	-
5.55			
L0003132	497721.3	3603434.9	
0.60			
L0003133	497721.3	3603434.9	-
9.23			
L0003135	497571.3	3603434.9	-
8.89			
L0003136	497571.3	3603434.9	-
20.80			
L0003138	497421.3	3603434.9	-
15.59			
L0003139	497421.3	3603434.9	-
29.82			
L0003141	497271.3	3603434.9	-
17.73			
L0003142	497271.3	3603434.9	-
32.03			
L0003144	497121.3	3603434.9	-
15.15			

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* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003145	497121.3	3603434.9	- 26.67
L0003147	496971.3	3603434.9	- 11.03
L0003148	496971.3	3603434.9	- 22.36
L0003150	496821.3	3603434.9	- 10.63
L0003151	496821.3	3603434.9	- 23.22
L0003153	496671.3	3603434.9	- 11.47
L0003154	496671.3	3603434.9	- 24.45
L0003156	496521.3	3603434.9	- 12.26
L0003157	496521.3	3603434.9	- 25.64
L0003159	496371.3	3603434.9	- 13.00
L0003160	496371.3	3603434.9	- 26.77
L0003162	496221.3	3603434.9	- 13.68
L0003163	496221.3	3603434.9	- 27.85
L0003265	496221.3	3603434.9	- 19.43
L0003267	496221.3	3603584.9	- 7.47
L0003267	496224.4	3603567.5	- 22.74
L0003268	496221.3	3603584.9	- 42.27
L0003268	496224.4	3603567.5	- 24.66
L0003270	496224.4	3603717.5	- 19.21

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L0003271	496224.4	3603717.5	-16.59
L0003280	496374.4	3604167.5	-7.28
L0003282	496374.4	3604317.5	-6.86
L0003283	496374.4	3604317.5	-33.34
L0003285	496374.4	3604467.5	-9.24
L0003286	496374.4	3604467.5	-31.36
L0003289	496374.4	3604617.5	-4.89
L0003295	496524.4	3604917.5	-1.31
L0003298	496524.4	3605067.5	-29.55
L0003299	496524.4	3605067.5	-1.52
L0003300	496524.4	3605217.5	-5.73
L0003301	496524.4	3605217.5	-39.92
L0003304	496524.4	3605367.5	-15.78
L0003307	496524.4	3605517.5	0.25
L0003512	498771.3	3603434.9	-35.87
L0003513	498771.3	3603434.9	-1.45
L0003515	498921.3	3603434.9	-8.33
L0003515	498904.5	3603434.8	-25.05
L0003516	498921.3	3603434.9	-31.49
L0003516	498904.5	3603434.8	-14.75
L0003519	499054.5	3603434.8	-35.15

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003520	499054.5	3603434.8	-4.80
L0003522	499204.5	3603434.8	-5.08
L0003523	499204.5	3603434.8	-34.06
L0003526	499354.5	3603434.8	-14.68
L0003527	499354.5	3603434.8	-23.91
L0003530	499504.5	3603434.8	-32.67
L0003531	499504.5	3603434.8	0.26
L0003533	499654.5	3603434.8	-8.49
L0003534	499654.5	3603434.8	-27.39
L0003537	499804.5	3603434.8	-17.65
L0003538	499804.5	3603434.8	-18.41
L0003541	499954.5	3603434.8	-26.63
L0003542	499954.5	3603434.8	-6.23
L0003544	500104.5	3603434.8	0.23
L0003545	500104.5	3603434.8	-26.56
L0003548	500254.5	3603434.8	-7.87
L0003549	500254.5	3603434.8	-20.08
L0003552	500404.5	3603434.8	-18.63
L0003553	500404.5	3603434.8	-5.71

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L0003556	500554.5	3603434.8	-19.18
L0003559	500704.5	3603434.8	-1.25
L0003560	500704.5	3603434.8	-15.02
L0003563	500854.5	3603434.8	-6.78
L0003564	500854.5	3603434.8	-7.95
L0003567	501004.5	3603434.8	-9.70
L0003568	501004.5	3603434.8	0.55
L0003571	501154.5	3603434.8	-7.73
L0003574	501304.5	3603434.8	-0.01
L0003575	501304.5	3603434.8	-0.93
L0003578	501454.5	3603434.8	-1.25
L0003582	501604.5	3603434.8	0.30
L0002810	503537.1	3602985.1	-11.36
L0002812	503387.1	3602985.1	-36.52
L0002813	503387.1	3602985.1	-11.45
L0002815	503237.1	3602985.1	-36.74
L0002816	503237.1	3602985.1	-11.52
L0002818	503087.1	3602985.1	-36.94
L0002819	503087.1	3602985.1	-11.59
L0002821	502937.1	3602985.1	-37.14
L0002822	502937.1	3602985.1	-11.65

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002824	502787.1	3602985.1	- 37.31
L0002825	502787.1	3602985.1	- 11.71
L0002827	502637.1	3602985.1	- 37.47
L0002828	502637.1	3602985.1	- 11.76
L0002830	502487.1	3602985.1	- 37.61
L0002831	502487.1	3602985.1	- 11.81
L0002833	502337.1	3602985.1	- 37.73
L0002834	502337.1	3602985.1	- 11.85
L0002836	502187.1	3602985.1	- 37.84
L0002837	502187.1	3602985.1	- 11.88
L0002839	502037.1	3602985.1	- 37.92
L0002840	502037.1	3602985.1	- 11.91
L0002841	501904.5	3602984.8	- 5.43
L0002975	501904.5	3602984.8	- 20.38
L0002975	501887.1	3602985.1	- 37.68
L0002977	501754.5	3602984.8	- 29.59
L0002978	501754.5	3602984.8	- 20.41
L0002980	501604.5	3602984.8	- 28.88
L0002981	501604.5	3602984.8	- 19.34

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L0002983	501454.5	3602984.8	-19.12
L0002984	501454.5	3602984.8	-9.47
L0002986	501304.5	3602984.8	-0.17
L0002999	500704.5	3602984.8	-0.36
L0003001	500554.5	3602984.8	-19.60
L0003002	500554.5	3602984.8	-20.42
L0003004	500404.5	3602984.8	-25.23
L0003005	500404.5	3602984.8	-23.78
L0003007	500254.5	3602984.8	-40.54
L0003008	500254.5	3602984.8	-9.38
L0003010	500104.5	3602984.8	-7.24
L0003014	499954.5	3603134.8	-16.30
L0003016	499804.5	3603134.8	-7.15
L0003017	499804.5	3603134.8	-18.48
L0003035	498921.3	3603134.9	-1.09
L0003035	498904.5	3603134.8	-1.78
L0003167	498471.3	3603284.9	-26.01
L0003168	498471.3	3603284.9	-17.73
L0003170	498321.3	3603284.9	-6.17
L0003174	497121.3	3600584.9	-16.72
L0003178	496971.3	3600734.9	-30.04

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003179	496971.3	3600734.9	- 17.37
L0003182	496821.3	3600884.9	- 16.57
L0003183	496821.3	3600884.9	- 23.30
L0003187	496671.3	3601034.9	- 8.20
L0003193	496371.3	3601184.9	- 13.14
L0003194	496371.3	3601184.9	- 4.27
L0003197	496221.3	3601334.9	- 12.66
L0003327	496221.3	3601484.9	- 11.35
L0003333	496071.3	3601784.9	- 8.29
L0003334	496071.3	3601784.9	- 0.67
L0003336	496071.3	3601934.9	- 30.45
L0003337	496071.3	3601934.9	- 14.54
L0003339	496071.3	3602084.9	- 22.50
L0003340	496071.3	3602084.9	- 7.07
L0003342	496071.3	3602234.9	- 0.77
L0003351	496071.3	3602684.9	- 15.54
L0003352	496071.3	3602684.9	- 20.83
L0003354	496071.3	3602834.9	- 23.02
L0003355	496071.3	3602834.9	- 24.65

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L0003357	496071.3	3602984.9	-7.88
L0003358	496071.3	3602984.9	-5.96
L0003367	505163.6	3602534.0	-1.50
L0003369	505163.6	3602684.0	-16.72
L0003370	505163.6	3602684.0	-32.58
L0003372	505163.6	3602834.0	-16.10
L0003373	505163.6	3602834.0	-32.78
L0003375	505163.6	3602984.0	-12.63
L0003376	505163.6	3602984.0	-22.61
L0003382	505013.6	3603284.0	-13.80
L0003384	504887.1	3603285.1	-19.64
L0003384	504863.6	3603284.0	0.56
L0003385	504863.6	3603284.0	-2.36
L0003390	504737.1	3603585.1	-2.88
L0003390	504735.7	3603565.9	-17.68
L0003391	504737.1	3603585.1	-42.73
L0003391	504735.7	3603565.9	-24.70
L0003393	504735.7	3603715.9	-7.80
L0003394	504735.7	3603715.9	-0.97
L0003397	504585.7	3603865.9	-25.45
L0003398	504585.7	3603865.9	-19.84

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003401	504435.7	3604015.9	- 11.36
L0003402	504435.7	3604015.9	- 29.95
L0003405	504285.7	3604165.9	- 2.22
L0003406	504285.7	3604165.9	- 42.64
L0003410	504135.7	3604315.9	- 15.92
L0003416	503835.7	3604465.9	- 0.96
L0003417	503835.7	3604465.9	- 14.83
L0003420	503685.7	3604615.9	- 20.22
L0003421	503685.7	3604615.9	- 25.42
L0003424	503535.7	3604765.9	- 7.09
L0003425	503535.7	3604765.9	- 27.64
L0003429	503385.7	3604915.9	0.27
L0003431	503385.7	3605065.9	- 18.19
L0003432	503385.7	3605065.9	- 14.42
L0003438	503235.7	3605365.9	- 40.19
L0003439	503235.7	3605365.9	- 9.20
L0003441	503235.7	3605515.9	- 16.39
L0003453	503235.7	3606115.9	- 3.68
L0003454	503235.7	3606115.9	- 6.53

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L0003456	503235.7	3606265.9	-27.88
L0003457	503235.7	3606265.9	-21.46
L0003459	503235.7	3606415.9	-1.88
L0003738	500704.5	3602534.8	-14.64
L0003739	500704.5	3602534.8	-18.63
L0003756	505763.6	3602084.0	-31.83
L0003757	505763.6	3602084.0	-7.31
L0003761	505613.6	3601934.0	-3.46
L0003769	505313.6	3601784.0	-24.41
L0003770	505313.6	3601784.0	-15.04
L0003774	499503.4	3606118.1	-23.95
L0003775	499503.4	3606118.1	-25.89
L0003777	499503.4	3605968.1	0.17
L0003781	499653.4	3605818.1	-3.39
L0003783	499653.4	3605668.1	0.38
L0003784	499653.4	3605668.1	-46.82
L0003785	499653.4	3605668.1	-0.19
L0003790	499803.4	3605368.1	-4.74
L0003791	499803.4	3605368.1	-25.20
L0003797	499953.4	3605068.1	-2.65
L0003798	499953.4	3605068.1	-11.86

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003800	499953.4	3604918.1	-4.22
L0003801	499953.4	3604918.1	-13.79
L0003803	499953.4	3604768.1	-11.80
L0003804	499953.4	3604768.1	-33.52
L0003806	499953.4	3604618.1	-13.70
L0003807	499953.4	3604618.1	-16.79
L0003813	500103.4	3604318.1	-2.99
L0003816	500103.4	3604168.1	-40.47
L0003817	500103.4	3604168.1	0.60
L0003819	500103.4	3604018.1	-20.97
L0003823	501904.5	3602984.8	-18.36
L0003823	501887.1	3602985.1	-15.06
L0003826	501904.5	3602834.8	-29.55
L0003826	501887.1	3602835.1	-25.35
L0003827	501904.5	3602834.8	-8.35
L0003827	501887.1	3602835.1	-6.45
L0003829	501904.5	3602684.8	-0.60
L0003829	501887.1	3602685.1	0.12
L0003830	501904.5	3602684.8	-33.38

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L0003830	501887.1	3602685.1	-29.04
L0003851	503537.1	3602985.1	-10.69
L0003854	503537.1	3602835.1	-28.37
L0003855	503537.1	3602835.1	-2.48
L0003857	503537.1	3602685.1	-4.99
L0003858	503537.1	3602685.1	-30.04

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**MODELOPTs: RegDFAULT CONC ELEV

*** 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 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

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\AERMET\Otay Mesa.SFC
Met Version: 11059
Profile file: ..\AERMET\Otay Mesa.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN
Year: 1990 Year: 1990

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
90	01	01	1	01	-28.1	0.276	-9.000	-9.000	-999.	334.	67.5	1.00	1.62	0.62	2.10	331.	10.0	283.1	2.0
90	01	01	1	02	-11.6	0.130	-9.000	-9.000	-999.	122.	17.2	1.00	1.62	1.00	1.50	328.	10.0	282.0	2.0
90	01	01	1	03	-29.4	0.261	-9.000	-9.000	-999.	306.	54.4	1.00	1.62	1.00	2.10	344.	10.0	282.5	2.0
90	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	281.4	2.0
90	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	280.9	2.0
90	01	01	1	08	-29.3	0.262	-9.000	-9.000	-999.	308.	55.3	1.00	1.62	1.00	2.10	3.	10.0	283.1	2.0
90	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.00	1.62	1.00	0.00	0.	10.0	286.4	2.0
90	01	01	1	10	-42.2	0.382	-9.000	-9.000	-999.	543.	119.1	1.00	1.62	1.00	2.60	171.	10.0	288.1	2.0
90	01	01	1	11	-42.1	0.382	-9.000	-9.000	-999.	544.	119.8	1.00	1.62	1.00	2.60	184.	10.0	289.2	2.0
90	01	01	1	12	-61.1	0.582	-9.000	-9.000	-999.	1021.	291.2	1.00	1.62	1.00	3.60	216.	10.0	289.9	2.0
90	01	01	1	13	-64.0	0.773	-9.000	-9.000	-999.	1562.	652.3	1.00	1.62	1.00	4.60	203.	10.0	289.9	2.0
90	01	01	1	14	-64.0	0.773	-9.000	-9.000	-999.	1564.	652.3	1.00	1.62	1.00	4.60	229.	10.0	289.9	2.0
90	01	01	1	15	-61.5	0.680	-9.000	-9.000	-999.	1302.	462.4	1.00	1.62	1.00	4.10	232.	10.0	289.2	2.0
90	01	01	1	16	-23.5	0.610	-9.000	-9.000	-999.	1103.	873.9	1.00	1.62	0.52	3.60	264.	10.0	288.8	2.0
90	01	01	1	17	48.0	0.561	-9.000	-9.000	-999.	971.	-332.9	1.00	1.62	0.32	3.10	201.	10.0	288.1	2.0

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```
 90 01 01   1 18   50.2  0.644 -9.000 -9.000 -999. 1187.   -480.1  1.00   1.62   0.26
3.60  227.   10.0  288.1    2.0
 90 01 01   1 19  142.8  0.513 -9.000 -9.000 -999.  860.    -85.3  1.00   1.62   0.24
2.60  224.   10.0  287.5    2.0
 90 01 01   1 20  160.1  0.517 -9.000 -9.000 -999.  856.    -78.1  1.00   1.62   0.23
2.60  217.   10.0  287.5    2.0
 90 01 01   1 21  158.4  0.594 -9.000 -9.000 -999. 1052.   -119.4  1.00   1.62   0.23
3.10  220.   10.0  287.5    2.0
 90 01 01   1 22  122.9  0.665 -9.000 -9.000 -999. 1244.   -215.6  1.00   1.62   0.24
3.60  222.   10.0  287.5    2.0
 90 01 01   1 23   43.4  0.642 -9.000 -9.000 -999. 1184.   -549.7  1.00   1.62   0.27
3.60  190.   10.0  287.5    2.0
 90 01 01   1 24    2.5  0.713 -9.000 -9.000 -999. 1382.  -8888.0  1.00   1.62   0.36
4.10  230.   10.0  287.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 90 01 01 01   10.0 1  331.    2.10   283.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32	496671.32	496821.32	496971.32	497121.32
3603584.90	952.73919	1634.03276	2901.51420	2534.33085	1916.85671	1708.20409	1608.46303	1564.91070	1573.36088
3603434.90	965.79167	1805.49350	3329.70173	2969.13205	2610.05531	2462.49108	2381.51394	2342.31781	2352.57527
3603284.90	922.43544	1654.23279	2923.08322	2369.34193	2245.35475	2185.69913	2155.96371	2130.29631	2064.82711
3603134.90	890.24471	1732.90140	2002.35076	1488.68217	1404.99147	1369.13506	1347.94947	1333.74839	1321.26025
3602984.90	887.72008	1352.06164	1572.17712	1174.73408	1090.62516	1063.27281	1050.79753	1045.66144	1045.33227
3602834.90	917.98601	1416.67330	1316.29754	1007.17293	924.93257	896.63754	887.41937	885.88127	889.77837
3602684.90	986.69580	1438.99822	1146.10147	900.18935	822.70517	792.83364	782.31743	781.59936	786.20213
3602534.90	1093.32632	2014.85399	1030.54958	827.50289	754.30360	722.89551	710.09208	707.40235	711.01553
3602384.90	1147.22283	1870.67972	969.19620	780.54564	707.81572	674.17818	658.76878	653.18281	654.17799
3602234.90	1078.49359	1692.22479	962.48581	756.81349	678.37020	641.01151	622.20391	613.54229	611.14754
3602084.90	952.46042	1414.46148	1011.18216	755.13868	664.04298	620.86812	597.74220	585.31157	579.16517
3601934.90	839.66025	1376.90627	1122.25121	774.90659	664.83535	613.41623	584.61657	567.20921	556.61536
3601784.90	760.73026	1229.12562	1291.54644	818.17042	683.82333	620.82416	583.82460	559.52637	543.05089
3601634.90	698.70041	1484.63743	1570.38292	902.21894	732.34803	649.80644	599.02053	564.21257	539.29131

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  3601484.90 |     638.74425   1128.97887   1811.47534   1109.92152    846.48790
717.53718    639.06247    585.98250    547.77791
  3601334.90 |     579.18315    899.28907   1810.83486   2002.49918   1158.83722
871.77791    724.94246    634.98149    573.49563
  3601184.90 |     517.48885    725.86999   1301.96191   2034.27283   2533.64380
1285.65547    913.76858    734.90491    627.03398
  3601034.90 |     457.61179    589.80097    835.28946   1361.41979   2913.99690
2488.23409   1443.26226    956.90656    734.81871
  3600884.90 |     405.37843    494.22092    631.56312    855.21436   1267.19653
2399.33326   2185.56951   1651.03649    982.55028
  3600734.90 |     361.53005    424.61601    512.08197    635.95102    821.58636
1143.72720   1926.41897   2175.14460   1889.38910
  3600584.90 |     324.95222    371.47466    431.26291    508.59527    611.54562
758.79121    999.29870   1517.45567   2369.79609
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497271.32	497421.32	497571.32	497721.32	497871.32	498021.32	498171.32	498321.32	498471.32
3603584.90	1628.22681	1719.54563	1847.77119	2004.00114	2074.25337	2025.35985	2063.29097	2186.03047	2205.13388
3603434.90	2412.95591	2470.83829	2509.55246	2553.35882	2729.99663	3104.16587	4181.10919	5273.79958	4126.51707
3603284.90	1971.58677	1898.41313	1860.01535	1883.10918	2044.55730	2557.50204	4351.40637	9328.84166	7494.62115
3603134.90	1310.24484	1309.34453	1329.68545	1387.51311	1516.68749	1793.07095	2403.66874	3743.30380	5772.01713
3602984.90	1050.09740	1063.60014	1091.85054	1144.06212	1235.93230	1393.95363	1672.27781	2126.62821	2673.78164
3602834.90	899.19446	915.53173	941.93549	983.30479	1046.33082	1142.97107	1293.92011	1507.96951	1749.01462
3602684.90	795.54711	810.64910	832.93228	864.27273	908.37779	972.31364	1065.38837	1188.16656	1321.63060
3602534.90	718.93576	731.17922	748.46170	772.01784	804.27722	849.71777	912.80691	992.27469	1076.47220
3602384.90	659.81208	668.95536	681.76006	699.34419	723.60321	757.59265	803.17581	858.69115	916.59420
3602234.90	613.44077	619.34066	628.49338	641.55460	659.97614	685.98237	720.13771	760.83927	803.06330
3602084.90	577.55679	579.81142	585.54923	594.90949	608.88439	628.91025	654.93646	685.59205	717.52144
3601934.90	550.71577	548.88296	550.93142	556.79411	567.05968	582.36676	602.30304	625.70567	650.32272
3601784.90	532.03675	525.56045	523.43911	525.62403	532.36660	543.61689	558.73418	576.66662	595.82417
3601634.90	521.43879	509.28578	502.32907	500.42179	503.47733	510.94454	521.98484	535.56982	550.48574

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  3601484.90 |     519.84163    499.99496    487.09042    480.44530    479.43790
483.14608    490.55276    500.54461    512.06262
  3601334.90 |     529.37454    498.16060    477.35901    464.97811    459.44472
459.36816    463.44040    470.35633    479.05886
  3601184.90 |     554.34524    504.98769    472.93041    453.31332    442.78682
438.95811    439.93319    444.12519    450.40304
  3601034.90 |     603.92658    522.64345    473.56837    444.73673    428.84127
421.34793    419.41943    421.12479    425.22714
  3600884.90 |     699.50865    553.77441    478.41303    438.45150    416.94879
405.88727    401.23935    400.66908    402.81027
  3600734.90 |     901.21102    597.62721    485.17235    433.11422    406.07272
391.72404    384.68708    382.16207    382.63203
  3600584.90 |    1318.57754    633.61127    487.03729    425.88983    394.86478
378.12672    369.30399    365.27109    364.40568
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498621.32	498771.32	498921.32
3603584.90	2285.44249	2526.22508	2603.74144
3603434.90	4015.34668	4568.72542	4688.11296
3603284.90	8321.89143	4734.12812	4361.01263
3603134.90	7812.88206	5567.69445	4250.08690
3602984.90	3043.42797	2888.17899	2631.58849
3602834.90	1926.25952	1954.76928	1898.19105
3602684.90	1427.68429	1479.44120	1488.81348
3602534.90	1147.18262	1194.48187	1222.70400
3602384.90	967.10564	1006.44669	1036.88991
3602234.90	840.92952	873.32296	901.13708
3602084.90	746.87978	773.56058	798.01652
3601934.90	673.52217	695.42859	716.55820
3601784.90	614.32778	632.23564	650.18428
3601634.90	565.31059	579.93788	594.99748
3601484.90	523.95478	535.94089	548.50709
3601334.90	488.53765	498.36302	508.80903
3601184.90	457.80479	465.78244	474.40928
3601034.90	430.77278	437.13146	444.21417
3600884.90	406.70434	411.66843	417.47316
3600734.90	385.11923	388.90305	393.63401
3600584.90	365.71948	368.47565	372.24838

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40	496674.40	496824.40	496974.40	497124.40
3606567.52	335.75975	383.12738	449.26149	545.15195	672.49434	698.95162	577.32770	481.30880	419.31280
3606417.52	378.47198	448.07020	561.88162	794.17562	1607.37638	1573.75043	815.11979	590.79586	483.93505
3606267.52	421.47641	514.44322	680.17327	1075.64890	3153.21827	3276.21596	1136.90611	722.03795	556.87401
3606117.52	460.64752	572.55847	775.00576	1254.71587	3641.05244	3711.25317	1392.62453	850.34340	631.61336
3605967.52	494.16426	619.21047	843.13905	1364.05711	3916.41318	3807.29344	1539.20936	952.83186	699.88239
3605817.52	521.66217	655.33737	892.47402	1440.52218	4117.47379	3807.64264	1615.89535	1023.40396	755.40659
3605667.52	543.88375	683.57226	930.88253	1501.80927	4287.52116	3759.53771	1648.46039	1065.58035	796.07913
3605517.52	561.99503	706.44164	964.43462	1568.18115	3592.88310	3612.81649	1639.82700	1083.23989	822.42506
3605367.52	577.16677	725.51934	995.61272	1664.57562	3951.52508	3219.95675	1581.38548	1078.57156	835.90283
3605217.52	590.44340	741.66497	1020.69836	1759.81024	3161.10299	2672.95902	1477.16395	1054.25749	838.39695
3605067.52	603.70716	758.23182	1045.53137	1835.89426	2920.32932	2133.11064	1350.99000	1017.13159	833.23686
3604917.52	619.43620	781.40102	1093.87061	2098.33655	3341.32229	1784.64372	1236.76200	977.17344	824.60813
3604767.52	639.02033	814.20769	1173.83419	2606.36097	3250.29252	1581.22025	1152.09611	942.92456	816.70430
3604617.52	663.09374	857.47410	1287.59552	2668.43614	2610.73292	1446.67474	1094.40409	919.00514	813.27935

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  3604467.52 |     691.69665    911.49585   1443.41857   2456.61763   2206.14514
1352.10454   1057.07433    906.83184    817.14393
  3604317.52 |     724.98431    977.34170   1660.59920   2696.97403   1940.20097
1286.10971   1036.77533    907.39092    831.11092
  3604167.52 |     763.72483   1057.95977   1979.84822   3261.88206   1759.77179
1244.90533   1034.15918    923.44326    859.23615
  3604017.52 |     808.81909   1158.50570   2483.61802   3414.43127   1641.77278
1230.53340   1054.11391    961.40023    909.17988
  3603867.52 |     860.77540   1287.22170   3224.71012   2797.24013   1585.91891
1257.24563   1111.22692   1035.77018    997.28399
  3603717.52 |     916.87350   1458.14383   2471.49347   2471.10417   1630.19169
1371.66047   1253.27886   1194.44702   1171.83894
  3603567.52 |     964.72079   1689.81266   2903.59395   2565.25479   1993.80098
1794.58928   1697.86696   1657.50911   1676.26085
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497274.40	497424.40	497574.40	497724.40	497874.40	498024.40	498174.40	498324.40	498474.40
3606567.52	378.46891	350.67743	331.39989	318.00126	308.90774	303.15162	300.10625	299.38373	300.78704
3606417.52	422.49806	383.72669	358.08525	340.86076	329.48745	322.49729	319.00031	318.49323	320.77176
3606267.52	470.46216	418.94829	386.17066	364.78080	350.98785	342.71508	338.76333	338.51397	341.78499
3606117.52	520.02468	455.34179	415.18913	389.52560	373.26869	363.68726	359.24672	359.21273	363.45015
3605967.52	568.07388	491.70569	444.66325	414.89541	396.23622	385.34481	380.35792	380.40605	385.36624
3605817.52	611.13191	526.32098	473.81210	440.57442	419.79401	407.69399	402.16300	402.18837	407.58837
3605667.52	647.16658	557.75347	501.72371	466.06828	443.72991	430.70093	424.74357	424.72242	430.34824
3605517.52	675.44816	585.26444	527.82017	490.94407	467.76903	454.26407	448.13439	448.14410	453.88493
3605367.52	696.11742	608.60505	551.91169	515.09581	491.88028	478.44029	472.49036	472.71407	478.58441
3605217.52	710.18002	628.19224	574.20947	538.77418	516.39404	503.59955	498.22643	498.92676	505.08556
3605067.52	719.57803	645.15237	595.37540	562.50253	541.84281	530.31732	525.97356	527.50223	534.25216
3604917.52	726.60190	660.93533	616.43509	587.04412	568.89223	559.29532	556.54366	559.39235	567.16266
3604767.52	733.72617	677.28129	638.80178	613.54178	598.53556	591.54992	591.07895	595.88406	605.21192
3604617.52	743.71395	696.38322	664.33537	643.69696	632.39245	628.72428	631.32328	638.84244	650.33677

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  3604467.52 |     759.32633    720.83162    695.46968    680.05124    673.05533
673.45316    680.03942    691.20591    705.57775
  3604317.52 |     783.62971    753.73915    735.64254    726.41379    724.60327
729.89391    741.58609    757.75346    776.04935
  3604167.52 |     821.26072    800.06928    790.26257    788.66081    793.60753
805.00417    823.37409    846.73858    870.62607
  3604017.52 |     881.01197    869.25348    869.23054    877.55697    892.09524
912.14131    939.48316    973.35524   1005.49820
  3603867.52 |     981.78286    982.30770    995.59692   1018.36627   1046.77334
1079.79370   1119.86973   1169.46029   1214.27280
  3603717.52 |    1176.03993   1201.08220   1241.57910   1290.76571   1339.14104
1384.29537   1442.96582   1518.53567   1577.45730
  3603567.52 |    1749.12191   1865.14819   2027.25557   2228.37266   2297.99573
2186.14377   2202.61761   2334.46927   2329.20181
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498624.40	498774.40	498924.40
3606567.52	304.26178	309.83827	317.51942
3606417.52	325.92856	334.39967	347.01173
3606267.52	348.85750	360.69470	379.48712
3606117.52	372.44629	387.67120	412.70994
3605967.52	395.86310	413.66690	443.01434
3605817.52	418.99006	438.18761	469.26663
3605667.52	442.13006	461.65290	492.41136
3605517.52	465.70464	484.89230	514.27643
3605367.52	490.30047	508.87819	536.57676
3605217.52	516.78732	534.83196	561.06170
3605067.52	546.20582	563.99243	589.23063
3604917.52	579.74534	597.62324	622.36269
3604767.52	618.86480	637.21611	661.91952
3604617.52	665.49982	684.69667	709.73768
3604467.52	722.69333	743.12192	768.76545
3604317.52	795.73265	817.89823	844.41850
3604167.52	893.79929	918.30375	945.97713
3604017.52	1033.66611	1061.57762	1090.83990
3603867.52	1249.86965	1284.52596	1317.31683
3603717.52	1625.86902	1686.28602	1730.64314
3603567.52	2425.14034	2742.08801	2821.20503

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52	499654.52	499804.52	499954.52	500104.52
3603584.79	2601.76588	2619.94750	2644.60499	2702.64590	2838.48338	2994.79524	3047.46496	3052.04061	3077.94170
3603434.79	4713.87445	4773.08339	4773.62306	4820.42786	4871.72485	5713.51939	5651.41404	5524.26806	5449.29152
3603284.79	4365.23862	4459.06661	4709.54195	5062.59414	5434.70526	5428.52325	4945.86045	4561.63388	4397.30361
3603134.79	4394.94024	4674.02024	4349.67712	4116.45406	4065.67416	4550.60819	4261.08012	4563.73246	4023.44075
3602984.79	2653.51961	2497.55661	2421.45460	2401.07374	2443.80473	2588.29192	2906.23853	3598.90375	4416.30524
3602834.79	1905.24702	1846.15487	1815.79590	1817.76179	1855.71378	1938.99202	2082.43277	2309.58647	2651.29192
3602684.79	1488.87950	1481.72710	1477.88605	1489.90255	1523.75045	1584.40146	1678.82173	1818.05285	2017.76900
3602534.79	1220.17491	1236.47755	1248.82980	1267.49554	1299.60124	1349.81741	1424.30397	1537.51468	1739.90339
3602384.79	1033.71573	1058.30985	1079.08916	1101.64414	1131.86590	1174.64253	1235.79337	1329.24935	1508.96867
3602234.79	898.09459	923.50346	947.26894	971.50759	999.75330	1035.81503	1084.14115	1152.30961	1257.65575
3602084.79	795.29668	818.66507	841.93512	865.83997	891.86426	922.16549	959.27149	1006.24696	1068.10130
3601934.79	714.17640	734.82948	755.87073	777.91583	801.34948	826.94077	855.72838	889.03220	929.74385
3601784.79	648.12947	666.09371	684.50292	703.99583	724.66262	746.46033	769.61419	794.88600	824.42635
3601634.79	593.24796	608.71365	624.66289	641.50217	659.37187	678.02740	697.34248	717.76771	740.74548

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  3601484.79 |     547.03119    560.21676    573.95693    588.35966    603.59568
619.54239    636.00468    653.18532    671.89205
  3601334.79 |     507.57309    518.70227    530.45938    542.76606    555.72465
569.33788    583.47199    598.16715    613.79997
  3601184.79 |     473.38116    482.70284    492.72966    503.30936    514.40646
526.02315    538.10758    550.70048    564.03606
  3601034.79 |     443.36092    451.15901    459.72166    468.86493    478.42013
488.32884    498.63764    509.51073    521.14678
  3600884.79 |     416.76348    423.30154    430.60581    438.48604    446.72658
455.24912    464.16933    473.71055    483.97220
  3600734.79 |     393.04536    398.50675    404.69403    411.44954    418.60147
426.08307    433.98511    442.44732    451.45254
  3600584.79 |     371.76796    376.26836    381.47349    387.27640    393.56877
400.27326    407.37316    414.87418    422.72082
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500254.52	500404.52	500554.52	500704.52	500854.52	501004.52	501154.52	501304.52	501454.52
3603584.79	3030.73338	2875.93064	2736.46757	2622.01284	2508.11320	2357.21475	2153.81012	1996.08817	1884.56703
3603434.79	4866.17364	4803.18107	5715.61786	4595.29081	4428.68181	4157.94816	4128.36596	3208.88575	3537.42347
3603284.79	4301.63513	4211.62598	4265.67803	4348.92481	4394.37128	4306.35649	3883.14888	3587.73965	3442.49987
3603134.79	3678.95040	3841.64155	4185.60536	4676.40050	5183.04306	5369.94534	5032.88424	4452.27628	3960.47689
3602984.79	4235.87693	4649.88677	4929.50682	5813.78216	6698.85435	6238.68231	6367.75347	6139.33335	4952.26532
3602834.79	3114.79895	3659.77107	3770.45174	3657.74955	3540.68369	3413.10573	3294.75401	3325.53542	3527.09601
3602684.79	2294.72749	2629.38260	2930.97270	3320.72041	3754.08046	3636.41747	2762.56904	2445.03586	2457.62928
3602534.79	2315.91350	3263.10220	4239.95052	3860.27942	4801.14582	4205.51608	2633.34929	2036.37768	1959.42593
3602384.79	2194.82830	3799.35190	3575.52892	2833.06831	2417.24646	2204.55757	1946.43877	1720.87901	1632.39829
3602234.79	1448.65092	1733.87679	1871.30125	1836.16637	1744.39441	1655.16015	1552.57462	1453.72069	1389.11650
3602084.79	1158.37130	1273.51302	1362.15957	1393.22211	1380.18334	1344.70021	1294.89416	1243.48024	1202.19764
3601934.79	983.86134	1047.76815	1103.22793	1135.95587	1143.92741	1132.50877	1108.46699	1080.65049	1054.33820
3601784.79	861.17146	902.38613	939.44201	965.38733	977.70998	977.18955	967.01143	951.53441	935.27672
3601634.79	767.63938	796.49220	822.71946	842.74730	854.96136	858.95671	855.52696	847.18955	838.05526

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  3601484.79 |     692.64172    714.10341    733.79884    749.74681    760.63838
765.73796    765.40602    761.67519    757.10378
  3601334.79 |     630.53105    647.51963    663.25227    676.26790    685.48223
690.40567    691.50307    690.67794    688.59663
  3601184.79 |     578.14639    592.32856    605.35683    616.10792    623.84722
628.28149    630.15593    630.88902    630.02081
  3601034.79 |     533.40249    545.51495    556.48219    565.53068    572.10033
576.11971    578.50452    579.86628    579.65959
  3600884.79 |     494.64934    505.04405    514.42020    522.16479    527.84871
531.66251    534.35721    535.82887    536.11213
  3600734.79 |     460.69574    469.65838    477.75578    484.44786    489.50318
493.24259    496.03577    497.43905    498.18080
  3600584.79 |     430.71547    438.46998    445.47065    451.31318    455.94620
459.63854    462.34958    463.68752    464.85167
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501604.52	501754.52	501904.52
3603584.79	1791.15610	1704.55517	1590.37609
3603434.79	3365.77825	3720.44229	3194.35762
3603284.79	3338.57069	3237.29985	3017.30346
3603134.79	3660.23387	3502.56995	3342.40743
3602984.79	5056.80595	5332.11802	5825.11936
3602834.79	3906.69521	4907.43374	8040.82241
3602684.79	2674.15777	3599.05255	6689.99972
3602534.79	2048.92639	2435.25562	4574.75647
3602384.79	1633.98323	1721.58773	2007.33294
3602234.79	1364.29859	1386.10607	1474.11877
3602084.79	1177.05941	1180.88181	1211.08444
3601934.79	1035.77878	1034.50132	1042.99006
3601784.79	922.90428	921.20898	921.09447
3601634.79	829.93930	829.23504	826.07198
3601484.79	752.14075	752.42910	748.59041
3601334.79	686.16951	687.15060	683.62141
3601184.79	629.53973	630.95074	628.11136
3601034.79	580.49523	582.10825	580.02059
3600884.79	537.72422	539.35942	537.91755
3600734.79	500.18531	501.72738	500.76630
3600584.79	467.00858	468.41128	467.78405

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40	499653.40	499803.40	499953.40	500103.40
3606568.08	316.22226	325.47727	336.13085	349.79237	365.25023	369.33219	361.98089	350.70066	338.93974
3606418.08	344.84328	361.90104	385.06361	414.46960	447.65950	446.62895	421.74277	396.44054	375.50152
3606268.08	376.18177	404.53064	453.63649	550.24722	699.20857	609.44521	513.67196	457.34284	420.76056
3606118.08	408.25637	448.56297	530.28474	784.33286	1003.32240	1008.87985	657.65791	538.76237	476.76406
3605968.08	437.82284	485.16729	580.02132	837.10065	1894.40422	1746.80490	863.52588	643.90255	545.18023
3605818.08	463.84619	512.39789	602.47018	809.36830	1612.74972	2358.08441	1134.90362	775.49308	628.33429
3605668.08	487.12850	533.38415	613.50957	778.34855	1258.25560	1637.31352	1520.61666	943.95584	730.28097
3605518.08	509.29449	552.01520	622.09727	754.17146	1074.36279	2581.42643	2266.10094	1202.16729	860.94754
3605368.08	531.92616	571.05591	632.26491	738.10349	953.86812	1588.08881	2345.15425	1768.41099	1037.52917
3605218.08	556.68640	592.87186	647.29079	734.63434	888.44704	1207.24858	2221.63888	2887.36526	1260.28254
3605068.08	585.03329	619.28044	669.52642	746.79731	874.23194	1113.98775	1784.01592	2278.14007	1469.76728
3604918.08	618.25027	651.43342	699.53292	772.37044	890.23859	1108.42608	1730.81541	2371.87423	1635.25509
3604768.08	657.81336	690.52818	737.51688	808.34510	922.47537	1132.34176	1691.87247	2607.03286	1911.74579
3604618.08	705.58143	738.12855	784.29708	853.42028	964.40517	1168.12696	1689.19656	2635.23860	2565.04420

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  3604468.08 |     764.52153    796.97654    842.02570    908.32536   1013.40617
1203.10588   1651.59396   3838.69906   3683.23941
  3604318.08 |     840.03628    872.40142    915.69882    977.71947   1073.62904
1240.75155   1603.73051   2929.53449   4283.24830
  3604168.08 |     941.39198    973.64424   1014.83000   1071.49590   1156.07632
1297.20934   1583.61256   2449.37942   3895.57346
  3604018.08 |    1085.93376   1118.30866   1157.53951   1208.60842   1281.65812
1396.57518   1610.91005   2177.44592   4236.50925
  3603868.08 |    1311.71631   1344.67355   1382.12017   1429.44833   1494.60604
1587.29106   1732.93769   2043.21819   3372.49123
  3603718.08 |    1723.39972   1755.83940   1790.91762   1841.27719   1913.82609
2002.52802   2094.68354   2220.97611   2458.85531
  3603568.08 |    2810.19518   2823.07404   2843.36100   2899.84810   3053.96524
3235.67527   3281.79230   3263.94356   3267.65103
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500253.40	500403.40	500553.40	500703.40	500853.40	501003.40	501153.40	501303.40	501453.40
3606568.08	327.92313	318.05510	309.50179	302.26324	296.19084	291.12636	287.01204	283.76595	281.27724
3606418.08	358.43999	344.36133	332.75234	323.25907	315.49892	309.12593	303.97712	299.92847	296.80924
3606268.08	394.60590	374.68421	359.03749	346.62730	336.72175	328.73594	322.33111	317.31021	313.42172
3606118.08	437.37124	409.54347	388.67791	372.58066	360.01065	350.07865	342.18535	336.00868	331.19957
3605968.08	487.72637	449.54384	422.06881	401.41529	385.61198	373.35790	363.72043	356.17448	350.26986
3605818.08	547.12811	495.50442	459.72028	433.53123	413.86873	398.86511	387.17871	378.01325	370.80875
3605668.08	617.15284	548.18030	502.11146	469.34365	445.15268	426.90860	412.81717	401.75634	393.03042
3605518.08	699.84548	608.12157	549.57412	509.19227	479.80298	457.79208	440.91584	427.68538	417.22346
3605368.08	796.90940	675.56766	602.30660	553.28336	518.08730	491.82703	471.80394	456.15615	443.76872
3605218.08	906.50566	750.57247	660.68989	601.90017	560.30685	529.38747	505.88588	487.61462	473.15073
3605068.08	1021.76840	832.62562	725.11184	655.52863	606.93979	571.00925	543.71304	522.62840	505.97167
3604918.08	1141.90473	922.02760	796.08621	714.93874	658.75029	617.48657	586.09415	561.96386	542.98699
3604768.08	1288.05934	1023.29348	875.33286	781.35430	716.80834	669.87417	634.16386	606.68852	585.20262
3604618.08	1493.97030	1143.96303	965.39503	856.38074	782.66710	729.67073	689.52289	658.36470	634.08491

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  3604468.08 |    1771.00003   1288.51183   1068.56338    942.09062    858.95747
799.61517    754.79930    719.57083    692.01620
  3604318.08 |    2112.82320   1456.42024   1186.89217   1041.76221    949.90340
884.40111    834.35646    794.48434    762.80896
  3604168.08 |    2538.84557   1643.71639   1322.72640   1161.56476   1062.65969
991.67217    935.55334    889.83702    852.61001
  3604018.08 |    3108.38264   1841.26471   1483.47806   1314.15998   1210.68159
1134.73977   1071.34689   1017.24573    972.05068
  3603868.08 |    3469.60262   2026.12008   1691.40531   1529.23508   1424.55979
1342.31692   1267.75662   1200.11626   1142.25906
  3603718.08 |    2567.68066   2251.43671   2032.46420   1895.46627   1790.46895
1691.82984   1588.91387   1494.28901   1414.89824
  3603568.08 |    3197.81366   3034.73946   2898.60041   2784.63116   2667.66214
2504.11086   2270.67217   2097.93998   1980.31295
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501603.40	501753.40	501903.40
3606568.08	279.65923	279.17975	280.05179
3606418.08	294.67607	293.81789	294.48369
3606268.08	310.63854	309.25820	309.56626
3606118.08	327.62274	325.56909	325.36034
3605968.08	345.74194	342.85753	341.97183
3605818.08	365.15727	361.27661	359.55155
3605668.08	386.07736	381.02665	378.28882
3605518.08	408.79977	402.40346	398.46585
3605368.08	433.72974	425.82607	420.50136
3605218.08	461.38646	451.83879	444.94941
3605068.08	492.39933	481.08851	472.46120
3604918.08	527.51542	514.31906	503.77087
3604768.08	567.69558	552.46962	539.79304
3604618.08	614.35055	596.90787	581.83160
3604468.08	669.73872	649.76967	631.85582
3604318.08	737.36407	714.31531	692.81646
3604168.08	822.75253	795.69404	769.39922
3604018.08	935.46689	902.90530	869.84836
3603868.08	1094.87688	1053.97482	1010.35113
3603718.08	1349.67121	1293.41009	1229.29479
3603568.08	1881.46314	1788.71676	1662.31532

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15	502637.15	502787.15	502937.15	503087.15
3603585.14	1603.78865	1478.74232	1383.12262	1315.79488	1269.37989	1237.05063	1215.92735	1205.44781	1206.33119
3603435.14	3293.05709	2681.61005	2495.42227	2379.74129	2291.35801	2225.60726	2180.62398	2150.60323	2135.51683
3603285.14	3066.85158	2645.32202	2419.65593	2295.30800	2221.87573	2183.02875	2171.18218	2182.98451	2217.82396
3603135.14	3375.03149	2869.05422	2475.69632	2260.73408	2140.93555	2076.18854	2048.60127	2052.74980	2093.04607
3602985.14	6461.63326	4261.29465	3284.02573	2949.02461	2791.71070	2712.85582	2681.51283	2692.90416	2760.18637
3602835.14	7521.10027	4706.58668	2953.47052	2491.69483	2303.82142	2217.21724	2186.78828	2205.48991	2297.11912
3602685.14	6323.22711	4111.23015	2408.38711	1905.82623	1692.34897	1590.79941	1550.31830	1560.34735	1641.70638
3602535.14	4272.52307	3007.52211	2046.94928	1647.89158	1448.35106	1344.11307	1295.18648	1290.99102	1340.59225
3602385.14	1984.98780	1930.97485	1665.16271	1439.79304	1287.39396	1193.32949	1142.02712	1124.03705	1140.25928
3602235.14	1470.58122	1443.50528	1348.86755	1243.56628	1148.27242	1075.51530	1027.41364	1002.41656	998.46945
3602085.14	1211.55658	1187.81876	1135.39740	1078.94533	1022.95296	972.29082	932.36684	906.03082	893.98451
3601935.14	1044.49973	1022.47113	988.56978	950.77275	914.54180	881.04860	850.63864	826.64993	812.69291
3601785.14	922.76734	902.90808	879.91833	850.94142	824.87871	800.45669	779.18572	760.15468	746.72224
3601635.14	827.60504	810.45631	793.91970	770.73772	751.13117	731.92144	715.57433	702.19237	691.62730

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  3601485.14 |     749.88981    735.61042    722.85842    705.11314    688.64801
674.25033    660.43346    650.22995    643.15510
  3601335.14 |     684.67735    673.10866    662.79362    649.84791    635.39859
624.26686    613.30400    604.37739    599.23948
  3601185.14 |     628.94394    619.76978    611.23278    602.01062    589.79691
580.22365    572.10143    564.47478    559.75523
  3601035.14 |     580.66225    573.50901    566.39026    559.82890    550.09936
541.41643    535.15541    529.29454    524.74296
  3600885.14 |     538.40604    532.88555    526.94439    522.21418    514.86475
507.14604    501.77428    497.51711    493.60912
  3600735.14 |     501.13866    496.88488    491.92681    488.44382    483.12486
476.59736    471.66237    468.40708    465.45090
  3600585.14 |     468.07116    464.77388    460.62730    457.99334    454.27500
449.03753    444.49504    441.68801    439.55903
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503237.15	503387.15	503537.15	503687.15	503837.15	503987.15	504137.15	504287.15	504437.15
3603585.14	1224.48772	1270.82252	1348.40464	1416.66280	1437.14793	1433.30262	1420.11176	1405.15368	1413.10295
3603435.14	2145.09999	2223.16096	2669.63649	3035.42598	3017.30606	2944.91852	2852.65409	2699.17597	2555.34118
3603285.14	2280.14625	2403.59841	2812.50481	3312.80300	3404.97266	3436.21506	3454.94073	3408.57450	3271.44115
3603135.14	2183.13532	2343.11517	2514.48832	2380.08285	2234.98449	2146.97970	2088.17841	2034.26947	1969.85226
3602985.14	2943.89482	3541.92727	4302.98947	3065.33282	2452.36660	2251.94743	2158.95888	2105.75998	2315.77424
3602835.14	2569.15749	3649.06991	6849.07784	3457.70075	2260.02451	1943.36362	1822.37670	1769.56230	1759.19479
3602685.14	1894.21538	2913.44169	5857.03322	3187.59788	1901.63767	1533.21885	1388.35176	1326.25991	1309.86925
3602535.14	1492.39545	1974.30608	4232.06875	2427.77790	1640.83241	1338.77654	1203.11097	1142.32277	1125.61634
3602385.14	1203.22752	1359.17577	1653.36464	1604.99648	1358.82633	1181.53154	1079.91371	1029.87414	1017.07855
3602235.14	1019.52989	1085.20374	1180.88647	1188.39975	1121.22362	1039.87980	978.39893	944.84057	939.30711
3602085.14	899.46054	930.67323	969.84131	975.34477	953.29313	919.96854	889.46567	872.34485	875.15106
3601935.14	812.18617	827.29536	844.62550	846.65598	837.35310	823.84700	811.79311	807.41958	817.54580
3601785.14	743.27335	750.01076	757.69092	757.83837	753.03529	747.47023	744.38361	747.56671	762.31546
3601635.14	686.87889	688.55018	691.18443	690.34006	687.55508	685.38880	686.05230	692.18180	707.66602

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  3601485.14 |     639.15601    638.23310    637.77568    635.94521    633.89861
633.16454    635.15180    641.64107    655.23721
  3601335.14 |     596.73746    595.34849    593.45694    590.73939    588.50217
587.88521    589.77457    595.23521    605.73660
  3601185.14 |     558.00861    557.05598    555.04895    552.01525    549.33534
548.10423    549.01242    552.72549    559.93882
  3601035.14 |     522.77131    522.02551    520.45923    517.70785    514.86255
512.95491    512.60687    514.31900    518.48683
  3600885.14 |     491.14369    490.02351    488.74313    486.51405    483.83819
481.50001    480.06339    480.01082    481.75603
  3600735.14 |     462.85614    461.10219    459.64767    457.75473    455.38531
452.92339    450.81655    449.56500    449.63373
  3600585.14 |     437.27897    435.08047    433.14351    431.20789    429.05688
426.71435    424.39946    422.51932    421.53097
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504587.15	504737.15	504887.15
3603585.14	1536.67832	1815.32918	1327.33982
3603435.14	2560.24319	2936.36407	1998.08118
3603285.14	3265.59784	3256.22161	2499.89393
3603135.14	1898.03349	1814.23835	1739.97043
3602985.14	2221.42414	2146.73369	1736.06833
3602835.14	1848.65019	2231.13701	2048.43635
3602685.14	1339.86607	1448.04768	1760.88232
3602535.14	1147.25701	1219.55933	1392.79503
3602385.14	1038.11099	1100.58635	1233.31813
3602235.14	963.35054	1024.51677	1142.40365
3602085.14	903.93818	968.98037	1090.94535
3601935.14	850.64219	921.17264	1061.20005
3601785.14	797.08375	868.50834	1021.09059
3601635.14	739.09786	799.55429	921.21149
3601485.14	680.20289	723.83053	799.10526
3601335.14	623.54718	651.96092	695.77360
3601185.14	571.64031	589.40580	616.09705
3601035.14	525.62011	536.72855	553.92742
3600885.14	485.70609	492.59669	504.00536
3600735.14	451.40459	455.47494	463.06525
3600585.14	421.84081	424.01257	428.99848

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74	502635.74	502785.74	502935.74	503085.74
3606565.94	280.07370	282.34398	286.62266	293.71384	305.00687	323.11784	353.58552	409.70894	533.78196
3606415.94	294.52904	296.77535	301.29658	308.99591	321.42717	341.60647	376.29373	443.06954	606.26981
3606265.94	309.65399	311.71749	316.32531	324.51587	338.06868	360.51975	400.23320	481.36238	710.48459
3606115.94	325.51101	327.21600	331.70895	340.17030	354.63106	379.19104	423.87108	520.67679	856.11935
3605965.94	342.20695	343.37178	347.51184	355.91251	370.82231	396.82448	445.11421	552.59795	960.53933
3605815.94	359.89321	360.33505	363.87059	371.81759	386.54153	412.93104	462.76415	575.00826	1016.54637
3605665.94	378.76109	378.28860	380.96475	388.05874	401.91122	427.43829	476.31321	586.73625	1017.30688
3605515.94	399.09662	397.50032	399.05207	404.91212	417.26773	440.72966	485.94725	585.92465	926.70774
3605365.94	421.32113	418.38030	418.52381	422.77246	433.10062	453.58257	493.15948	577.67601	824.61884
3605215.94	445.98971	441.48455	439.92587	442.18483	450.03023	466.92828	499.92027	567.67821	738.47222
3605065.94	473.75416	467.47089	463.92754	463.85402	468.86217	481.81804	508.00077	560.18317	676.92238
3604915.94	505.35051	497.07803	491.28844	488.60757	490.56273	499.43374	518.96567	557.60760	636.82731
3604765.94	541.69919	531.22100	522.93769	517.43847	516.23821	521.02942	534.30354	561.64601	614.95338
3604615.94	584.11913	571.16707	560.11494	551.61792	547.20599	547.94835	555.48752	573.77948	609.21691

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  3604465.94 |     634.61031    618.75554    604.53080    592.82150    585.09316
581.75529    584.20375    595.48364    618.53434
  3604315.94 |     696.17877    676.66552    658.56457    643.26980    631.94146
624.45472    622.58577    628.38929    642.77886
  3604165.94 |     773.60653    749.11455    725.87529    706.22962    690.67431
679.15475    673.69160    674.97347    683.40235
  3604015.94 |     875.31888    843.49664    812.88030    787.26623    766.40752
751.24418    742.52802    740.01761    744.42360
  3603865.94 |    1017.94377    974.05623    931.95533    897.23715    869.76293
850.84361    838.85692    833.18413    834.88851
  3603715.94 |    1241.32073   1173.18206   1110.98352   1062.03793   1026.31478
1002.01315    986.04674    977.65918    978.21777
  3603565.94 |    1689.38941   1547.64654   1444.46398   1373.35422   1324.50395
1290.30746   1268.00039   1256.94497   1257.66878
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503235.74	503385.74	503535.74	503685.74	503835.74	503985.74	504135.74	504285.74	504435.74
3606565.94	997.77634	1568.70409	672.33692	463.48991	369.91777	316.38331	281.77222	257.53121	239.42597
3606415.94	1146.01128	1166.54676	630.39963	463.60179	379.83252	328.93088	294.60603	269.81378	250.90267
3606265.94	1084.28244	939.10722	594.97047	461.44181	387.64552	340.18671	306.87272	282.02017	262.57633
3606115.94	1142.21128	821.92761	573.04335	461.32942	395.45551	351.20187	319.05508	294.36638	274.58613
3605965.94	1667.20677	775.16134	565.41823	465.81497	405.01847	363.04002	331.76579	307.19900	287.15132
3605815.94	1636.59436	772.41120	571.57792	476.26719	417.63968	376.65238	345.66750	320.98516	300.59267
3605665.94	1676.82361	798.06580	590.80532	493.67882	434.38891	392.93062	361.47152	336.28300	315.32077
3605515.94	1609.08356	866.35426	625.45588	519.50918	456.42372	412.84129	379.99128	353.74588	331.83804
3605365.94	1286.49315	1010.82875	682.40913	556.57222	485.46469	437.66906	402.23974	374.16603	350.77142
3605215.94	1544.93434	1355.75519	777.90267	610.55137	524.49638	469.36804	429.61074	398.59376	372.95386
3605065.94	1050.99093	1359.98538	961.52748	694.57380	579.27620	511.19732	464.24739	428.58584	399.57876
3604915.94	828.59271	1418.54844	1486.03719	847.67709	662.61015	569.39326	509.94862	466.69628	432.47866
3604765.94	722.99745	1004.51626	1459.31256	1258.31527	811.22207	658.91970	574.63949	517.60862	474.71343
3604615.94	673.16324	798.26620	1127.82607	1359.81230	1222.84919	831.68900	678.67174	591.36274	531.98773

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  3604465.94 |     657.50357    722.45958    839.86303   1092.40419   1331.46476
1451.12366    899.08112    715.03909    616.71753
  3604315.94 |     667.19619    704.67268    762.07560    853.94350   1031.19286
1584.43765   1440.22511   1002.52650    763.86880
  3604165.94 |     699.30987    723.02515    756.24597    802.27566    872.25541
1004.86104   1378.91803   1413.15592   1145.20974
  3604015.94 |     755.66157    772.93419    795.89766    824.03457    859.62809
913.33753   1013.74367   1272.16789   1459.39680
  3603865.94 |     844.91509    862.01350    883.98636    906.88440    928.27275
953.17530    992.23292   1070.08110   1291.68168
  3603715.94 |     991.03441   1016.66095   1050.69712   1081.69969   1099.17452
1108.75805   1119.11579   1141.72511   1210.88091
  3603565.94 |    1276.36200   1326.83199   1417.65823   1498.31201   1519.74183
1513.22761   1495.63888   1473.42127   1471.51220
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504585.74	504735.74	504885.74
3606565.94	225.12844	213.29656	203.14126
3606415.94	235.77223	223.16528	212.31526
3606265.94	246.76233	233.46991	221.97490
3606115.94	258.22094	244.30762	232.18368
3605965.94	270.31214	255.80679	243.03698
3605815.94	283.25376	268.12532	254.66357
3605665.94	297.32804	281.47315	267.23200
3605515.94	312.91616	296.13953	280.97924
3605365.94	330.52594	312.53109	296.23880
3605215.94	350.83666	331.21285	313.47409
3605065.94	374.79828	352.95467	333.29519
3604915.94	403.79432	378.80655	356.47609
3604765.94	439.94523	410.25100	384.03903
3604615.94	486.77678	449.53605	417.42228
3604465.94	550.85854	500.37927	458.78277
3604315.94	646.51859	569.53377	511.55445
3604165.94	814.66302	671.03716	581.59858
3604015.94	1249.65071	839.62141	679.23317
3603865.94	1482.16019	1186.74660	822.41591
3603715.94	1522.05142	1460.03306	1040.33200
3603565.94	1575.60469	1810.09773	1390.89463

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59	505613.59	505763.59	505913.59	506063.59
3603583.99	1454.90523	965.75339	763.28494	643.97628	563.21268	503.68933	456.57447	417.07353	382.59644
3603433.99	2314.44666	1239.11888	906.38196	733.75789	627.40977	553.93403	497.99741	451.99867	412.14022
3603283.99	2451.09481	1798.88627	1150.38738	852.52399	705.51054	613.67028	547.09185	493.34581	446.89226
3603133.99	1741.71467	2022.68663	1747.01898	1017.23337	803.45699	687.34796	607.59179	544.20929	489.26906
3602983.99	1782.01388	1702.84559	1767.72390	1224.47200	926.41317	781.23853	685.18899	609.47520	543.04393
3602833.99	2138.86197	2274.56506	1998.29479	1461.33904	1087.12549	907.05155	790.20980	698.25279	615.08653
3602683.99	1679.58721	2641.95949	2833.14301	1865.60979	1334.08895	1092.52768	944.82327	829.72398	719.01384
3602533.99	1352.65026	1760.53581	3280.34214	3325.71194	1813.40177	1402.64348	1203.56783	1053.41984	886.57662
3602383.99	1204.51305	1464.11016	2200.32535	3383.12582	3085.02144	1998.54583	1732.14686	1554.93606	1214.78038
3602233.99	1118.19712	1319.79381	1733.32008	2790.85121	3821.23187	3434.13277	3300.80051	4007.27017	2158.14418
3602083.99	1066.40595	1266.47162	1630.71130	2317.68121	4036.49000	5904.65469	6050.99865	6876.82198	2968.94917
3601933.99	1032.01619	1288.41534	1823.48318	2859.50812	5861.37006	7859.73261	5797.78559	3160.92655	1997.15143
3601783.99	987.26394	1341.85803	3522.03467	3971.12459	5263.21065	4209.30384	4738.06616	2379.78491	1605.99075
3601633.99	894.57434	1143.17239	1946.05277	2622.72689	2465.62331	2885.19326	3593.51269	1987.06673	1370.56356

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  3601483.99 |     783.60139    902.57824   1125.22997   1398.94282   1588.08320
2092.86376   2868.75268   1638.51012   1177.54463
  3601333.99 |     686.92315    751.19226    858.50436    994.02179   1125.33722
1314.64548   1627.69584   1257.82499    995.20404
  3601183.99 |     610.58993    649.72776    710.95638    785.90329    860.26207
940.19285   1002.08105    943.95468    830.07391
  3601033.99 |     550.26347    575.64763    613.34195    658.00645    702.79600
746.96260    771.22651    749.71379    696.74876
  3600883.99 |     501.47815    518.53348    543.05084    571.62910    600.57187
626.96045    638.60774    626.41299    596.60849
  3600733.99 |     461.29307    472.98453    489.62684    508.94704    528.41464
544.70603    550.36772    541.66301    522.07632
  3600583.99 |     427.74856    435.81504    447.39031    460.85973    474.19963
484.39581    486.79586    479.72867    465.38874
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506213.59	506363.59	506513.59	506663.59	506813.59	506963.59	507113.59	507263.59	507413.59
3603583.99	351.85367	324.34595	299.88092	278.19793	258.88070	241.46258	225.59072	211.07098	197.80668
3603433.99	376.75212	345.31247	317.60537	293.21076	271.50046	251.92321	234.16196	218.07364	203.56609
3603283.99	405.69887	369.36152	337.62614	309.78962	285.01908	262.77530	242.83384	225.06028	209.28735
3603133.99	440.46437	397.71747	360.67090	328.22041	299.46903	274.02422	251.67862	232.15781	215.10240
3602983.99	483.63924	431.95653	387.39315	348.56418	314.77332	285.68779	260.80310	239.47786	221.09086
3602833.99	539.49422	474.09754	418.18466	370.64245	330.86580	297.83549	270.28481	247.07019	227.29687
3602683.99	615.07103	526.18123	452.91569	394.28714	347.81641	310.56924	280.20048	255.02022	233.82621
3602533.99	721.44132	589.04337	491.19905	419.67070	365.88238	324.09215	290.71207	263.43509	240.71109
3602383.99	873.24319	662.70503	533.77892	447.36716	385.24017	338.32269	301.57357	271.96585	247.56245
3602233.99	1082.58481	748.14372	579.53130	475.50280	404.13389	351.81443	311.65094	279.75325	253.74560
3602083.99	1261.50690	820.53804	617.96559	499.10040	420.01262	363.19728	320.20064	286.40300	259.06349
3601933.99	1245.50404	852.40578	642.95322	516.67331	432.62263	372.58582	327.44134	292.15188	263.73940
3601783.99	1140.33047	840.26866	650.29514	526.58950	441.51653	379.94346	333.45540	297.10819	267.88148
3601633.99	1029.28237	800.05050	639.76471	526.65053	445.11143	384.43908	337.86065	301.10166	271.41072

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  3601483.99 |     923.03993    746.44969    615.74368    517.31171    442.60806
385.11490    339.95349    303.71408    274.10417
  3601333.99 |     819.43672    687.19699    583.29086    500.59846    434.62030
381.83906    339.25936    304.44280    275.57322
  3601183.99 |     720.59859    626.25085    546.20406    478.71103    422.17530
375.05337    335.83503    303.07544    275.48635
  3601033.99 |     631.66598    566.85507    507.04340    453.46742    406.29707
365.30027    329.99668    299.73551    273.78880
  3600883.99 |     556.54037    512.35066    468.28814    426.51900    388.00652
353.16688    322.09176    294.67200    270.63482
  3600733.99 |     495.38023    464.50784    431.92248    399.53673    368.47009
339.34501    312.51197    288.13194    266.21985
  3600583.99 |     446.09260    423.52723    399.02601    373.79289    348.78409
324.63113    301.74863    280.39846    260.73065
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507563.59	507713.59	507863.59
3603583.99	185.73116	174.77084	164.83514
3603433.99	190.53026	178.82964	168.31197
3603283.99	195.29835	182.86002	171.75315
3603133.99	200.14048	186.93983	175.22468
3602983.99	205.11376	191.12715	178.79853
3602833.99	210.28302	195.50709	182.56537
3602683.99	215.75158	200.15711	186.56538
3602533.99	221.47666	204.97844	190.66728
3602383.99	227.07842	209.62874	194.57800
3602233.99	232.09704	213.77821	198.06234
3602083.99	236.44635	217.40238	201.12949
3601933.99	240.32681	220.67733	203.93298
3601783.99	243.84071	223.69831	206.56071
3601633.99	246.94730	226.44250	208.99967
3601483.99	249.52747	228.83954	211.20044
3601333.99	251.32553	230.73339	213.06805
3601183.99	252.01979	231.87034	214.42485
3601033.99	251.43119	232.02639	215.06098
3600883.99	249.59746	231.13406	214.84478
3600733.99	246.66855	229.27297	213.77688
3600583.99	242.80126	226.57816	211.95107

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98	505613.98	505763.98	505913.98	506063.98
3606564.47	204.61908	195.51740	187.36959	179.96412	173.15228	166.82610	160.89990	155.30187	149.97581
3606414.47	213.89349	204.15879	195.43263	187.49210	180.18422	173.39690	167.03967	161.03710	155.32986
3606264.47	223.64929	213.29921	203.98578	195.48668	187.65088	180.36533	173.53836	167.09576	160.97799
3606114.47	233.95503	222.98035	213.05823	203.97292	195.57644	187.75684	180.42555	173.51102	166.95371
3605964.47	244.91089	233.27585	222.70380	212.99162	203.99638	195.60868	187.74268	180.32689	173.29833
3605814.47	256.64897	244.29736	233.01562	222.62121	212.98019	203.98548	195.54977	187.59631	180.05514
3605664.47	269.34225	256.19678	244.13167	232.98851	222.64235	212.98596	203.92636	195.37920	187.26693
3605514.47	283.23557	269.18239	256.24187	244.26596	233.13194	222.72997	212.96244	203.73956	194.97958
3605364.47	298.67168	283.54694	269.59504	256.66123	244.61469	233.34372	222.75184	212.74720	203.24623
3605214.47	316.13009	299.67287	284.49157	270.40123	257.26006	244.95664	233.39437	222.47839	212.12255
3605064.47	336.24505	318.04145	301.27429	285.73125	271.24962	257.70569	244.99327	233.00620	221.65688
3604914.47	359.82952	339.23335	320.35136	302.93558	286.78538	271.73434	257.64308	244.39316	231.89547
3604764.47	387.96683	363.98739	342.22584	322.35804	304.09524	287.18915	271.44366	256.71938	242.91958
3604614.47	422.19735	393.29013	367.53703	344.41972	323.46148	304.26661	286.55518	270.13876	254.88374

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  3604464.47 |     464.86283    428.52578    397.13995    369.68382    345.28208
323.27638    303.24240    284.89304    268.00093
  3604314.47 |     519.75424    471.75253    432.27117    398.96558    370.12855
344.65057    321.85861    301.27289    282.49648
  3604164.47 |     593.49547    526.14827    474.70804    433.34536    398.69644
368.89360    342.80077    319.58085    298.59372
  3604014.47 |     698.18726    596.49930    526.81281    474.08219    431.75472
396.58431    366.53169    340.17937    316.57341
  3603864.47 |     856.07177    689.65409    591.55853    522.67800    470.32046
428.52089    393.68714    363.58262    336.85176
  3603714.47 |    1105.37314    815.42336    672.92106    581.39539    515.97625
465.83230    425.09434    390.41516    359.89829
  3603564.47 |    1523.03509    992.21368    778.53491    654.18494    570.74258
509.65377    461.50681    421.23466    386.12203
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506213.98	506363.98	506513.98	506663.98	506813.98	506963.98	507113.98	507263.98	507413.98
3606564.47	144.88071	139.99247	135.29909	130.79457	126.47396	122.33059	118.35437	114.53404	110.85983
3606414.47	149.87777	144.65686	139.65321	134.85805	130.26351	125.86039	121.63733	117.58302	113.68951
3606264.47	155.14299	149.56446	144.22499	139.11247	134.21708	129.52855	125.03628	120.73064	116.60614
3606114.47	160.70732	154.74071	149.03269	143.56982	138.34299	133.34336	128.56195	123.99099	119.62655
3605964.47	166.60473	160.21096	154.09476	148.24494	142.65604	137.32152	132.23353	127.38437	122.77000
3605814.47	172.86838	165.99982	159.43182	153.15863	147.17853	141.48612	136.07254	130.92910	126.05085
3605664.47	179.52958	172.13406	165.06969	158.33686	151.93522	145.85797	140.09467	134.63614	129.47721
3605514.47	186.62373	178.64395	171.03571	163.80247	156.94311	150.44869	144.30816	138.51321	133.05852
3605364.47	194.19176	185.56004	177.35048	169.56768	162.20907	155.26429	148.72191	142.57402	136.81269
3605214.47	202.27139	192.90529	184.02665	175.64057	167.74208	160.31854	153.35595	146.84293	140.76488
3605064.47	210.89354	200.70155	191.08501	182.04525	173.57098	165.64321	158.24254	151.34957	144.93859
3604914.47	220.10133	208.99559	198.57670	188.83522	179.74736	171.28383	163.41758	156.11885	149.34664
3604764.47	229.98317	217.87931	206.58902	196.08542	186.33014	177.28366	168.90924	161.16441	153.98961
3604614.47	240.68733	227.48298	215.22584	203.87085	193.36860	183.67246	174.73422	166.49108	158.86189

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  3604464.47 |     252.38765    237.93633    224.57637    212.25012    200.90185
190.47702    180.90929    172.10714    163.96305
  3604314.47 |     265.24437    249.34640    234.71311    221.27842    208.97887
197.74270    187.47131    178.03666    169.30570
  3604164.47 |     279.41661    261.83357    245.73627    231.04769    217.68614
205.54483    194.47664    184.31219    174.90087
  3604014.47 |     295.13640    275.59267    257.81284    241.69974    227.13762
213.96227    201.96417    190.93716    180.72497
  3603864.47 |     312.73455    290.87949    271.13385    253.37116    237.41564
223.01929    209.90482    197.84412    186.69131
  3603714.47 |     332.53838    307.90933    285.83152    266.12954    248.52339
232.65328    218.18551    204.89611    192.66407
  3603564.47 |     354.83462    326.86505    302.01961    280.02066    260.42724
242.75789    226.66108    211.94941    198.52918
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507563.98	507713.98	507863.98
3606564.47	107.32590	103.93088	100.67661
3606414.47	109.95364	106.37628	102.96017
3606264.47	112.66175	108.89907	105.31953
3606114.47	115.46807	111.51593	107.76844
3605964.47	118.38897	114.23932	110.31540
3605814.47	121.43495	117.07674	112.96612
3605664.47	124.61346	120.03617	115.72932
3605514.47	127.93627	123.13127	118.61918
3605364.47	131.42325	126.38064	121.65093
3605214.47	135.09645	129.80036	124.83318
3605064.47	138.97044	133.39553	128.16259
3604914.47	143.04653	137.15743	131.62346
3604764.47	147.31411	141.06782	135.19351
3604614.47	151.75941	145.10866	138.85372
3604464.47	156.37668	149.27110	142.59499
3604314.47	161.16919	153.55386	146.41250
3604164.47	166.13388	157.94344	150.28845
3604014.47	171.22993	162.39254	154.17532
3603864.47	176.36493	166.81538	158.00185
3603714.47	181.42305	171.12197	161.70447
3603564.47	186.33141	175.27665	165.26737

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495921.32	496071.32	496221.32	496371.32	496521.32
3603584.9	30357.24737 (90020907)	35061.49565 (90020907)	44567.79218 (90120306)	28992.91707 (90020907)	28970.93927 (91031207)
3603434.9	41571.41710 (90012702)	57596.59125 (90012702)	58646.59911 (91011103)	57962.12033 (91011103)	57129.02246 (91011103)
3603284.9	25893.28060 (90021006)	29375.84944 (90021006)	36851.38634 (90031506)	25171.10100 (92100506)	24621.30181 (92100506)
3603134.9	18365.16085 (92100506)	24625.09308 (90120604)	26377.59618 (90012605)	18360.66241 (91012203)	17822.32835 (91030303)
3602984.9	17058.76226 (90021006)	25495.94809 (92103108)	21113.16256 (90012605)	15765.20407 (91012203)	15975.21474 (90021006)
3602834.9	16598.41719 (92100506)	27044.60591 (90110406)	17832.05678 (90012605)	14159.78051 (92100506)	14477.80431 (92100506)
3602684.9	16471.25100 (92100506)	25358.25273 (90120306)	15541.51725 (90012605)	12905.98520 (92122207)	13078.87937 (92122207)
3602534.9	16626.98881 (92122207)	22130.94637 (90100905)	13843.90820 (90012605)	11634.60095 (90020607)	11854.27196 (90020607)
3602384.9	17633.11008 (92092803)	18524.46818 (90100905)	12562.84819 (90012605)	10746.62836 (90110404)	10832.93272 (91031608)
3602234.9	17816.45145 (92103108)	16543.99106 (90031506)	11592.97469 (90012605)	10029.21624 (91012203)	10069.45785 (90012806)
3602084.9	16885.61303 (90110406)	16581.99649 (90012605)	10872.18745 (90012605)	9455.71508 (91012203)	9398.95848 (90011809)
3601934.9	15410.31741 (90110406)	18981.16302 (90012605)	10374.60281 (90012605)	8992.82415 (91012203)	8934.40409 (90022203)
3601784.9	13985.62019 (92112604)	19725.41241 (90031506)	11238.03173 (92092408)	8638.99573 (90022203)	8457.62569 (90092306)
3601634.9	12756.63071 (90120306)	19671.68373 (90020605)	12659.67968 (92092408)	8421.13298 (92092408)	8190.64527 (90092306)

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 3601484.9 |  11755.91313 (90120306)  17920.98240 (90012904)  17196.37937 (91012204)
10283.89709 (90022003)   8114.91420 (92012907)
 3601334.9 |  10867.34539 (90120306)  14345.68996 (90121706)  27106.97720 (92020506)
19397.07681 (92092408)  13688.96889 (92092408)
 3601184.9 |  10247.11094 (90020607)  12446.51334 (90020607)  16731.48851 (92122605)
25997.54855 (90121805)  22277.62088 (91012204)
 3601034.9 |   9729.07634 (90110404)  10907.35645 (90031506)  13283.11676 (92122605)
16219.97703 (90110403)  25169.22425 (92011404)
 3600884.9 |   8945.45931 (92012907)   9835.22743 (90031506)  11330.18611 (90102504)
12671.02181 (91012203)  14617.41470 (90020606)
 3600734.9 |   8295.55553 (92103107)   8991.21786 (90031506)  10011.91432 (90102504)
10817.73968 (91012203)  11648.90346 (90020606)
 3600584.9 |   7737.64274 (92103107)   8290.04240 (90031506)   9034.37575 (90102504)
9590.16899 (91012203)  10033.78094 (90020606)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496671.32	496821.32	496971.32	497121.32	497271.32
3603584.9	30221.88440 (91031207)	31886.09586 (91031207)	33709.13001 (91031207)	35449.75414 (91031207)	37186.69074 (91031206)
3603434.9	56462.87036 (91011103)	56001.78303 (91011103)	56609.65007 (90012702)	57401.25091 (90012702)	56126.05274 (91030303)
3603284.9	23669.24753 (92013103)	23401.04435 (91030303)	24545.10377 (91030303)	26063.56042 (91030303)	28034.57304 (91030303)
3603134.9	18594.42796 (91030303)	19509.07988 (91030303)	20549.34021 (91030303)	22005.35492 (90021006)	23744.12351 (90021006)
3602984.9	16584.39148 (90021006)	17338.65471 (92100506)	18333.56285 (92100506)	19340.90128 (92100506)	20290.13619 (92100506)
3602834.9	14852.63990 (92100506)	15506.14336 (92122207)	16094.63028 (92122207)	16577.74650 (92100404)	17321.10678 (90020607)
3602684.9	13290.41378 (92100404)	13671.59362 (90020607)	14134.30158 (90020607)	14507.37373 (90110404)	14957.51412 (91031608)
3602534.9	12023.43541 (90020607)	12288.46524 (91031608)	12563.88160 (90012806)	12954.31347 (90012806)	13277.75974 (90011809)
3602384.9	10953.16552 (90012806)	11227.19561 (90012806)	11405.67655 (90011809)	11705.59661 (90022203)	11939.28939 (90022203)
3602234.9	10073.84163 (90011809)	10312.04186 (90011809)	10557.31843 (90022203)	10681.66732 (90092306)	10872.18052 (92012907)
3602084.9	9489.74771 (90022203)	9623.24137 (90022203)	9751.49936 (90092306)	9877.55684 (92012907)	9929.49271 (92103107)
3601934.9	8894.22277 (90022203)	9022.66751 (90092306)	9106.44415 (92012907)	9120.48402 (92103107)	9076.63084 (92103107)
3601784.9	8486.17601 (90092306)	8526.83316 (92012907)	8502.61677 (92103107)	8456.36071 (92103107)	8411.61696 (90091203)
3601634.9	8151.32577 (92012907)	8069.16890 (92103107)	7995.90279 (92103107)	7869.84154 (90091203)	7901.99631 (90091203)

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 3601484.9 |   7885.89583 (92103107)   7729.45994 (92103107)   7547.30183 (92102504)
7541.19326 (90091203)   7431.13489 (90110206)
 3601334.9 |  10998.26501 (92092408)   9381.14660 (92092408)   8284.65297 (92092408)
7487.60301 (92092408)   7149.19299 (91031608)
 3601184.9 |  16288.30027 (92092408)  12429.52717 (92092408)  10257.02174 (92092408)
8845.73091 (92092408)   7855.40143 (92092408)
 3601034.9 |  25010.54239 (90121806)  17691.23633 (92092408)  13075.35104 (92092408)
10568.24843 (92092408)   8976.69880 (92092408)
 3600884.9 |  21280.27228 (92011404)  26692.34568 (90122610)  19487.46947 (92092408)
13663.86565 (92092408)  10692.41801 (92092408)
 3600734.9 |  13368.89797 (90012806)  18113.08331 (92011404)  27286.89944 (91013011)
21362.38962 (92092408)  13805.42728 (92092408)
 3600584.9 |  10754.24251 (90012806)  12262.30139 (90121007)  15557.05219 (90010803)
27373.82384 (90030707)  21138.29605 (90031605)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497421.32	497571.32	497721.32	497871.32	498021.32
3603584.9	39047.95215 (91013103)	40114.62720 (90012807)	39612.89840 (91011102)	37090.04561 (90121805)	35358.89675 (90012904)
3603434.9	52018.10277 (91030303)	48802.60122 (91011103)	51512.74135 (90020907)	62784.71653 (90020907)	71973.98256 (90020703)
3603284.9	30644.11406 (91030303)	34182.08913 (91030303)	39214.52026 (91030303)	46920.91619 (91030303)	59780.43269 (91030303)
3603134.9	25782.48823 (90021006)	28115.27132 (90021006)	31277.94669 (92100506)	34663.67256 (92122207)	38511.24579 (92122207)
3602984.9	21644.07812 (92122207)	22736.99244 (92100404)	24214.57465 (90020607)	25495.81999 (91031608)	26802.71955 (90011809)
3602834.9	17980.39442 (90110404)	18712.76068 (91031608)	19403.78887 (90011809)	20266.21302 (90022203)	20894.52519 (92012907)
3602684.9	15456.84816 (90012806)	15962.67885 (90022203)	16428.18448 (90092306)	16760.73966 (92012907)	16829.11499 (90091203)
3602534.9	13678.04306 (90022203)	13953.07576 (90092306)	14123.71043 (92103107)	14128.04544 (90091203)	14120.23997 (92110709)
3602384.9	12172.91013 (90092306)	12308.33001 (92103107)	12211.34504 (90091203)	12265.81368 (90110206)	12424.24824 (91121305)
3602234.9	10971.82075 (92103107)	10868.31800 (92103107)	10937.46830 (90091203)	10909.79458 (92011308)	10978.31629 (91121305)
3602084.9	9869.25815 (92103107)	9936.13359 (90091203)	9827.45558 (92110709)	9943.21008 (91121305)	9849.81721 (90010603)
3601934.9	9097.28514 (90091203)	9028.86478 (90110206)	9021.46376 (92011308)	9068.86291 (91121305)	9158.75174 (90020607)
3601784.9	8395.07022 (90110206)	8312.56873 (92110709)	8428.57857 (90020607)	8625.74192 (90020607)	8810.72320 (90020607)
3601634.9	7798.22430 (92110709)	7883.12190 (90020607)	8004.12972 (90110404)	8178.58304 (90110404)	8330.77567 (90110404)

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 3601484.9 |   7474.41541 (90110404)   7544.31865 (90110404)   7637.42518 (91031608)
7788.31711 (91031608)   7908.82098 (91031608)
 3601334.9 |   7204.46117 (91031608)   7254.83667 (91031608)   7277.77514 (91031608)
7328.33508 (90012806)   7479.10061 (90012806)
 3601184.9 |   7131.75146 (92092408)   6927.62199 (90012806)   6998.12139 (90012806)
7041.44008 (90012806)   7025.43137 (90012806)
 3601034.9 |   7894.11778 (92092408)   7130.67733 (92092408)   6573.32459 (92092408)
6549.63155 (90011809)   6645.29805 (90011809)
 3600884.9 |   8935.37696 (92092408)   7809.10437 (92092408)   6971.77894 (92092408)
6330.97861 (90011809)   6305.07334 (90011809)
 3600734.9 |  10416.33555 (92092408)   8134.61754 (92092408)   6471.09848 (92092408)
5978.83908 (90022203)   6015.71138 (90022203)
 3600584.9 |  11066.52367 (92122602)   7917.90485 (90010509)   6294.73035 (92013009)
5744.31434 (90022203)   5665.52438 (90022203)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498171.32	498321.32	498471.32	498621.32	498771.32
3603584.9	36866.77591 (91012204)	33908.26768 (91013103)	36728.38312 (91013103)	37500.01281 (90020703)	38021.26663 (90020703)
3603434.9	78635.40432 (90121805)	61750.98713 (91012204)	48979.25987 (92092408)	66320.53851 (91011103)	64546.84557 (91011103)
3603284.9	82345.07939 (91030303)	112895.22113 (91011103)	90564.02289 (92013009)	114281.79103 (92092408)	78898.44745 (92092408)
3603134.9	42820.61240 (90020607)	48339.39341 (90012806)	55062.56086 (92012907)	77855.73715 (90123106)	76818.16366 (91111303)
3602984.9	28387.36875 (90092306)	29426.94796 (90091203)	30069.79894 (90010603)	35741.06030 (92011404)	39618.28851 (90123106)
3602834.9	21107.79755 (90091203)	21452.89612 (91121305)	21319.48197 (92122605)	23710.59643 (92012307)	26663.14809 (92122606)
3602684.9	16940.63227 (92011308)	16984.32968 (90110405)	17120.45493 (92122605)	18113.25601 (90031508)	19569.79972 (91013007)
3602534.9	14288.01130 (91121305)	14178.83541 (90120604)	14286.59035 (92122605)	14786.72797 (90022005)	15370.58347 (90010407)
3602384.9	12341.80186 (90010603)	12118.35880 (90110406)	12237.40496 (92122605)	12503.68596 (90121007)	12715.02750 (92122207)
3602234.9	10911.03160 (90110405)	10939.93117 (92122207)	11270.22950 (92122207)	11608.36286 (92122207)	11984.57546 (92100404)
3602084.9	9948.31952 (92100404)	10183.35287 (92100404)	10405.45621 (92100404)	10789.84646 (90020607)	11249.69466 (90020607)
3601934.9	9455.91814 (90020607)	9763.68353 (90020607)	10070.33047 (90020607)	10357.36012 (90020607)	10617.15861 (90092307)
3601784.9	8967.67272 (90020607)	9199.66097 (90110404)	9442.00793 (90110404)	9624.61030 (90110404)	9926.45913 (91031608)
3601634.9	8465.53218 (91031608)	8685.78473 (91031608)	8852.78685 (91031608)	8949.33404 (92032405)	9166.06204 (90012806)

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 3601484.9 |   7972.11609 (92032405)   8111.34558 (90012806)   8289.83595 (90012806)
8382.36414 (90012806)   8339.95736 (90012806)
 3601334.9 |   7591.79363 (90012806)   7630.41507 (90012806)   7558.97155 (90012806)
7700.59918 (90011809)   7783.12260 (90011809)
 3601184.9 |   6982.87845 (90011809)   7113.52194 (90011809)   7194.45768 (90011809)
7181.52256 (90011809)   7217.23894 (92012907)
 3601034.9 |   6708.57234 (90011809)   6699.73369 (90011809)   6714.69595 (90022203)
6761.83678 (92103107)   6877.03816 (92103107)
 3600884.9 |   6302.64411 (90022203)   6353.87500 (90022203)   6357.20909 (92103107)
6418.92217 (92103107)   6502.81562 (92102504)
 3600734.9 |   6009.52546 (90022203)   5997.78202 (92103107)   6020.48923 (92103107)
6104.21837 (90091203)   6331.01242 (90091203)
 3600584.9 |   5679.19329 (92103107)   5695.90042 (92102504)   5773.14099 (90091203)
5965.21609 (90091203)   6040.59151 (90110206)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498921.32
3603584.9	38217.30532 (90012807)
3603434.9	73808.48704 (91011103)
3603284.9	57913.49448 (92092408)
3603134.9	62450.40368 (92013009)
3602984.9	36826.39078 (90101006)
3602834.9	26130.72717 (90123106)
3602684.9	20404.77576 (92012206)
3602534.9	16296.13796 (90030707)
3602384.9	13420.49716 (92011404)
3602234.9	12418.98503 (92100404)
3602084.9	11755.82640 (90020607)
3601934.9	10993.35131 (90110404)
3601784.9	10135.86884 (91031608)
3601634.9	9320.32980 (90012806)
3601484.9	8424.39731 (90011809)
3601334.9	7806.10105 (92012907)
3601184.9	7404.45140 (92103107)
3601034.9	6966.17743 (92102504)
3600884.9	6750.38988 (90091203)
3600734.9	6426.13240 (90110206)
3600584.9	6101.20495 (90110206)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 495924.40	496074.40	496224.40	496374.40	496524.40
3606567.5	10877.91974 (90012906)	11769.35519 (90012906)	12835.04416 (90012904)	16566.40028 (90022003)	28009.09740 (90022306)
3606417.5	11282.02152 (90121805)	12396.23726 (90012906)	14358.14725 (90012906)	17881.48036 (90012906)	36876.89645 (92020809)
3606267.5	11664.56151 (90121805)	12873.21369 (90121805)	14804.95560 (90121805)	18890.29077 (90012906)	40109.90274 (92020809)
3606117.5	11914.29002 (90121805)	13266.16169 (90121805)	15382.09593 (90121805)	19591.02111 (90121805)	41238.24496 (92020809)
3605967.5	12171.83663 (90020406)	13516.00092 (90020406)	15780.78521 (90121805)	20220.13198 (90121805)	41712.31462 (92020809)
3605817.5	12398.52992 (90121706)	13789.97582 (90020406)	16079.16853 (90020406)	20624.94393 (90121805)	41720.95755 (92020809)
3605667.5	12656.44516 (90121706)	14103.88445 (90121706)	16333.91026 (90121706)	20933.48043 (90020406)	41656.88549 (90022306)
3605517.5	12679.09520 (91011102)	14287.53020 (90121706)	16790.33380 (90121706)	21430.46030 (90121706)	42616.03564 (90110406)
3605367.5	12319.29491 (91011102)	14008.04857 (91011102)	16946.31426 (91011102)	22506.97420 (90121706)	48350.45421 (90110406)
3605217.5	12165.74209 (91011102)	13448.92709 (91011102)	15664.21533 (91011102)	21386.81959 (91011102)	55602.21438 (90120306)
3605067.5	12535.81926 (91031606)	13731.06111 (91011102)	15940.83948 (91011102)	22472.70707 (91121305)	44637.37387 (90012605)
3604917.5	13441.07527 (91012307)	14662.19537 (91012307)	16879.79450 (91012307)	24970.60330 (90110405)	39863.84954 (90110403)
3604767.5	14239.64579 (91012307)	15687.64913 (91012307)	18345.63757 (91012307)	29058.20384 (90120604)	31639.67500 (91012203)
3604617.5	15005.63159 (90110307)	16646.90822 (90110307)	19795.77007 (90110307)	34960.18583 (92092803)	25410.98739 (91012203)

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3604467.5 | 15981.89855 (90012807) 17784.74803 (90012807) 21511.41038 (90012807) 41316.22087 (90110406) 21535.05709 (90110403)
3604317.5 | 16931.19253 (90012807) 19063.07027 (90012807) 23758.90130 (90012807) 42377.23221 (90100905) 18982.34194 (92092408)
3604167.5 | 18272.97114 (90020703) 20601.30292 (90020703) 26383.14747 (90020703) 36963.13159 (90012605) 17587.82662 (92092408)
3604017.5 | 20132.75549 (91013103) 22898.89573 (90020703) 30419.49768 (90020703) 29752.49247 (90102504) 17214.96005 (90020703)
3603867.5 | 22581.68935 (91031206) 26012.74605 (91013103) 33632.87894 (92092803) 24396.06255 (92092408) 19928.09967 (90020703)
3603717.5 | 25793.77585 (91031207) 30049.48052 (91031207) 38069.15710 (90110406) 24702.22853 (91031207) 23971.89461 (91031206)
3603567.5 | 31651.89878 (90020907) 36562.26676 (90020907) 40892.48375 (90120306) 30210.43127 (90020907) 30274.07201 (90020907)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496674.40	496824.40	496974.40	497124.40	497274.40
3606567.5	29944.57357 (90122502)	17662.77964 (92112405)	12177.65714 (91011803)	9215.25533 (90012509)	7341.24507 (90040908)
3606417.5	36452.62216 (91011312)	17939.14448 (92112405)	12226.53824 (91013010)	9415.84979 (92092408)	8374.24045 (92092408)
3606267.5	37770.34105 (91011312)	19255.14984 (92092408)	14113.11967 (92092408)	11438.87672 (92092408)	9788.86055 (92092408)
3606117.5	37316.20342 (91011312)	19938.67749 (92092408)	14570.88858 (92092408)	11793.68218 (92092408)	10088.61085 (92092408)
3605967.5	37019.98838 (92112405)	20268.62876 (92092408)	14842.26151 (92092408)	12003.91650 (92092408)	10261.27098 (92092408)
3605817.5	36367.41058 (92112405)	20397.74737 (92092408)	15006.93071 (92092408)	12169.12331 (92092408)	10422.65630 (92092408)
3605667.5	34657.32487 (91011803)	20436.42257 (92092408)	15142.26711 (92092408)	12332.12531 (92092408)	10577.79662 (92092408)
3605517.5	33746.86377 (92092408)	20374.75833 (92092408)	15189.62556 (92092408)	12357.17160 (92092408)	10526.23930 (92092408)
3605367.5	31618.74305 (92092408)	19614.91167 (92092408)	14533.15522 (92092408)	11656.72946 (92092408)	9831.07536 (92092408)
3605217.5	26312.39541 (92092408)	16326.77344 (92092408)	12269.74553 (92092408)	10078.32484 (92092408)	9042.29526 (90020406)
3605067.5	23068.32586 (90022005)	14301.30374 (92012307)	10751.68738 (92092408)	9685.49040 (90121706)	9516.31109 (90121706)
3604917.5	20359.12848 (90021008)	13631.77697 (92012307)	10416.82272 (91011102)	10185.77642 (91011102)	9990.43973 (91011102)
3604767.5	17883.29872 (91021003)	12864.78505 (90070507)	10772.84810 (91011102)	10705.66516 (91011102)	10664.23572 (91011102)
3604617.5	15960.55713 (90121007)	12077.68358 (92100803)	11495.07598 (91012307)	11206.67251 (91031606)	11177.74838 (91011102)

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3604467.5 | 14426.89334 (90121007) 12780.20353 (91012307) 12592.64063 (91012307) 12460.61665 (91012307) 12318.97928 (91012307)
3604317.5 | 14070.62860 (90012807) 13683.79602 (90110307) 13597.14252 (90110307) 13576.21471 (90110307) 13601.49861 (91012307)
3604167.5 | 15214.23605 (90012807) 15019.72903 (90012807) 14949.17647 (90012807) 14929.13024 (90012807) 14932.37847 (90012807)
3604017.5 | 16671.76900 (90020703) 16522.71830 (90020703) 16490.67423 (90020703) 16552.11796 (90012807) 16702.50225 (90012807)
3603867.5 | 19541.18503 (90020703) 19247.21959 (90020703) 19046.38478 (90020703) 19021.41778 (90020703) 19122.22597 (90020703)
3603717.5 | 24342.28440 (91031206) 24916.18011 (91013103) 25110.37504 (91013103) 25223.96720 (90020703) 24963.96308 (90110307)
3603567.5 | 31085.62736 (90020907) 32861.10315 (91031207) 35044.59170 (91031207) 37387.47952 (91031207) 39484.92761 (91031207)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497424.40	497574.40	497724.40	497874.40	498024.40
3606567.5	6577.85771 (90012904)	6599.43511 (90012904)	6502.95136 (90012904)	6699.48175 (90031406)	6939.38763 (90010409)
3606417.5	7616.89909 (92092408)	7043.44004 (92092408)	6894.82366 (90012904)	6817.22720 (90012904)	7015.20612 (90031406)
3606267.5	8669.01978 (92092408)	7862.12857 (92092408)	7257.95135 (92092408)	7220.01297 (90012904)	7169.97397 (90012904)
3606117.5	8934.29758 (92092408)	8104.00504 (92092408)	7483.45956 (92092408)	7413.13200 (90012904)	7584.96801 (90012904)
3605967.5	9087.78428 (92092408)	8248.87588 (92092408)	7624.08355 (92092408)	7578.69234 (90012310)	7750.10304 (90012904)
3605817.5	9242.91795 (92092408)	8392.88377 (92092408)	7751.11961 (92092408)	7698.92809 (92030905)	7932.32659 (90012310)
3605667.5	9365.97742 (92092408)	8470.69923 (92092408)	7950.05005 (90012906)	7960.66645 (92020506)	8074.21613 (92030905)
3605517.5	9234.11419 (92092408)	8280.15758 (92092408)	8192.50584 (90012906)	8320.70593 (90012906)	8376.62519 (90012906)
3605367.5	8595.32450 (92092408)	8530.95275 (90121805)	8451.34035 (90121805)	8486.78783 (90012906)	8714.72299 (90012906)
3605217.5	8932.72448 (90020406)	8883.87810 (90121805)	8925.40601 (90121805)	8933.31008 (90121805)	8902.20619 (90121805)
3605067.5	9368.88617 (91031303)	9331.16134 (90020406)	9311.48938 (90020406)	9354.50743 (90121805)	9452.39647 (90121805)
3604917.5	9948.38675 (90121706)	9901.25818 (90121706)	9829.70865 (91031303)	9854.86713 (90020406)	9882.89221 (90020406)
3604767.5	10607.74351 (91011102)	10517.94928 (91011102)	10523.28208 (90121706)	10529.11472 (90121706)	10491.22960 (91031303)
3604617.5	11274.43773 (91011102)	11338.06011 (91011102)	11352.80646 (91011102)	11310.55656 (91011102)	11321.15662 (90121706)

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 3604467.5 |  12138.89358 (91012307)  12020.58145 (91011102)  12192.75578 (91011102)
12311.73329 (91011102)  12367.02762 (91011102)
 3604317.5 |  13661.96220 (91012307)  13649.67221 (91012307)  13549.76916 (91012307)
13369.39566 (91012307)  13448.26546 (91011102)
 3604167.5 |  15063.61331 (90110307)  15250.54104 (90110307)  15391.30104 (91012307)
15492.04360 (91012307)  15469.03097 (91012307)
 3604017.5 |  16910.42563 (90012807)  17180.02138 (90012807)  17428.41895 (90012807)
17634.56631 (90110307)  17885.95723 (90110307)
 3603867.5 |  19247.00839 (90020703)  19441.95311 (90020703)  19804.65616 (90020703)
20380.83608 (90012807)  21056.86670 (90012807)
 3603717.5 |  24511.50697 (91011102)  24334.87821 (90020406)  23550.09409 (90012906)
23812.48296 (90012904)  25201.47335 (90010409)
 3603567.5 |  42139.58532 (91013103)  43879.24059 (90012807)  43292.21087 (91012307)
40632.96563 (90121805)  39440.26337 (92092408)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498174.40	498324.40	498474.40	498624.40	498774.40
3606567.5	7135.26286 (90010409)	7342.15851 (90020605)	7617.81767 (90020605)	8013.69604 (90010911)	8723.24616 (92022604)
3606417.5	7285.54408 (90010409)	7496.72003 (90010409)	7747.82580 (90020605)	8063.66878 (90020605)	8615.39748 (90010911)
3606267.5	7371.01590 (90031406)	7677.58380 (90010409)	7903.96862 (90010409)	8207.02621 (90020605)	8582.40842 (90020605)
3606117.5	7572.51811 (90012904)	7779.22718 (90031406)	8129.31580 (90010409)	8370.04121 (90010409)	8734.68133 (90020605)
3605967.5	7998.36300 (90012904)	8038.82923 (90012904)	8255.03539 (90031406)	8659.38697 (90010409)	8913.54038 (90010409)
3605817.5	8126.40760 (90012904)	8470.27301 (90012904)	8584.61187 (90012904)	8817.51080 (90031406)	9292.34994 (90010409)
3605667.5	8321.84608 (90012310)	8608.24036 (90012310)	9010.52376 (90012904)	9227.25253 (90012904)	9489.40453 (90031406)
3605517.5	8529.94651 (92020506)	8747.68881 (90012310)	9165.35410 (90012310)	9629.27137 (90012904)	9985.00104 (90012904)
3605367.5	8878.88440 (90012906)	9024.88610 (92020506)	9279.52492 (92030905)	9785.61088 (90012310)	10337.50019 (90012904)
3605217.5	9125.17610 (90012906)	9409.63741 (90012906)	9598.52525 (90012906)	9922.21749 (92020506)	10472.03281 (90012310)
3605067.5	9505.00665 (90121805)	9549.41851 (90012906)	9961.94854 (90012906)	10303.87573 (90012906)	10658.60840 (92020506)
3604917.5	10000.67606 (90121805)	10150.75897 (90121805)	10254.79045 (90121805)	10529.84406 (90012906)	11049.45711 (90012906)
3604767.5	10558.13499 (90020406)	10627.78664 (90020406)	10830.99770 (90121805)	11049.58569 (90121805)	11231.05444 (90121805)
3604617.5	11357.27960 (90121706)	11345.41521 (90121706)	11447.16094 (90020406)	11568.42811 (90020406)	11887.84441 (90121805)

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3604467.5 | 12350.80299 (91011102) 12344.31249 (90121706) 12401.73599 (90121706) 12413.09878 (90121706) 12556.27703 (90020406)
3604317.5 | 13606.80837 (91011102) 13689.34939 (91011102) 13684.57293 (91011102) 13636.71888 (90121706) 13706.98093 (90121706)
3604167.5 | 15334.43204 (91012307) 15135.33902 (91011102) 15319.81023 (91011102) 15410.94265 (91011102) 15399.25569 (91011102)
3604017.5 | 18022.29159 (91012307) 18096.49054 (91012307) 18022.29336 (91012307) 17791.50581 (91012307) 17624.90194 (91011102)
3603867.5 | 21430.11929 (90012807) 21526.12262 (90012807) 21735.52601 (90110307) 21821.71270 (91012307) 21851.70511 (91012307)
3603717.5 | 26051.67494 (90020703) 26920.51908 (90020703) 27455.40678 (90012807) 27708.88189 (90012807) 27865.63632 (90012807)
3603567.5 | 39127.64610 (90020605) 34829.58190 (91031207) 38515.87929 (91013103) 39663.90251 (90020703) 40329.55084 (90020703)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498924.40
3606567.5	9746.25914 (91012204)
3606417.5	9583.64264 (92022604)
3606267.5	9359.94022 (90010911)
3606117.5	9206.94636 (90020605)
3605967.5	9350.41673 (90020605)
3605817.5	9585.19807 (90020605)
3605667.5	10058.70447 (90010409)
3605517.5	10297.75925 (90031406)
3605367.5	10878.72737 (90012904)
3605217.5	11147.85998 (90012904)
3605067.5	11231.95985 (90012310)
3604917.5	11462.27369 (90012906)
3604767.5	11830.09668 (90012906)
3604617.5	12217.30206 (90121805)
3604467.5	12765.47306 (90121805)
3604317.5	13739.59736 (90121706)
3604167.5	15293.48080 (91011102)
3604017.5	17706.41434 (91011102)
3603867.5	21659.68690 (91012307)
3603717.5	27922.74277 (90110307)
3603567.5	40484.32451 (90020703)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498904.52	499054.52	499204.52	499354.52	499504.52
3603584.8	38191.55231 (90012807)	38566.47840 (90012807)	39174.12090 (90012807)	40916.93343 (92092408)	42875.12421 (92092408)
3603434.8	74917.46615 (92092408)	84158.82332 (92092408)	76008.67389 (91011103)	78522.47423 (92092408)	83297.17135 (92092408)
3603284.8	59511.68577 (92092408)	50358.68630 (92092408)	49057.69478 (92092408)	51715.68091 (92092408)	56333.37261 (92092408)
3603134.8	65092.30593 (90021108)	54977.30796 (92070904)	47444.62687 (91110506)	42439.76941 (90110504)	39130.87818 (90110504)
3602984.8	37176.58645 (90101006)	33983.86786 (90120404)	30700.06803 (92122602)	28209.36372 (90021108)	26835.72250 (91030303)
3602834.8	26272.27937 (90010305)	24580.76690 (90122610)	23457.37297 (90120106)	22098.13774 (90120404)	21820.70188 (92100506)
3602684.8	20351.74719 (90010908)	19699.26799 (90123106)	18715.49659 (90032105)	18049.52127 (90101006)	17902.75059 (92122207)
3602534.8	16233.98369 (90010803)	16483.40372 (92012206)	15943.76946 (90123106)	15202.82889 (92100506)	15687.68616 (92100506)
3602384.8	13346.42538 (91013007)	13933.04189 (92122606)	14107.48124 (92122207)	14812.09339 (92122207)	15774.91396 (92122207)
3602234.8	12367.62777 (92100404)	12843.10071 (92100404)	13377.20103 (92100404)	14002.29727 (90020607)	15191.78554 (90020607)
3602084.8	11696.91136 (90020607)	12230.57382 (90020607)	12754.50946 (90020607)	13297.09512 (90110404)	13893.28960 (90110404)
3601934.8	10951.71212 (90110404)	11271.58773 (90110404)	11663.80095 (91031608)	11907.84986 (91031608)	12187.26283 (90012806)
3601784.8	10118.68848 (91031608)	10264.11812 (90012806)	10515.40382 (90012806)	10524.35719 (90012806)	10644.51793 (92012907)
3601634.8	9309.84594 (90012806)	9312.48532 (90012806)	9311.98744 (90011809)	9571.87285 (92012907)	9902.99448 (92103107)

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 3601484.8 |   8409.93002 (90011809)   8483.78833 (90011809)   8676.18595 (92103107)
8916.39565 (92103107)   9243.48399 (90091203)
 3601334.8 |   7787.43582 (92012907)   7988.09328 (92103107)   8108.86001 (92102504)
8438.29255 (90091203)   8666.90877 (90110206)
 3601184.8 |   7390.49187 (92103107)   7486.13391 (92102504)   7770.41630 (90091203)
7958.96065 (90110206)   8113.71007 (92110709)
 3601034.8 |   6954.11564 (92102504)   7207.91770 (90091203)   7360.07109 (90110206)
7489.44534 (92110709)   7557.86292 (92042704)
 3600884.8 |   6727.02786 (90091203)   6848.92987 (90110206)   6947.98975 (92110709)
7033.53025 (92110709)   7202.51759 (92011308)
 3600734.8 |   6414.48441 (90091203)   6483.90838 (90110206)   6596.52004 (92110709)
6700.09810 (92011308)   6783.84910 (91121305)
 3600584.8 |   6102.78516 (90110206)   6203.33707 (92110709)   6247.00600 (92042704)
6375.15380 (92011308)   6444.08901 (91121305)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 499654.52	499804.52	499954.52	500104.52	500254.52
3603584.8	44284.05421 (92092408)	45796.20616 (92092408)	47683.98876 (92092408)	49182.56862 (92092408)	49563.72816 (92092408)
3603434.8	89067.45363 (92092408)	99276.91893 (92092408)	105911.88951 (92092408)	90902.52238 (92092408)	92386.38686 (92092408)
3603284.8	55887.46244 (92092408)	49005.97802 (92092408)	42548.83043 (92092408)	38022.52021 (92092408)	36049.48829 (91021909)
3603134.8	41767.03413 (90020907)	46112.06185 (91031207)	51380.44219 (90010410)	40297.79292 (90010410)	36906.54095 (91031207)
3602984.8	30049.35994 (91030303)	34950.02162 (91030303)	43318.20308 (91030303)	57109.85378 (91030303)	67556.14815 (91030303)
3602834.8	23562.77155 (92100506)	25787.52731 (92122207)	28189.84707 (92100404)	31092.64289 (90110404)	32588.00249 (90022203)
3602684.8	18658.03536 (90020607)	19456.03012 (91031608)	20268.59705 (90011809)	21034.27625 (90092306)	21211.57831 (92011105)
3602534.8	16341.16022 (92100506)	17296.14226 (92100506)	18713.13241 (92100506)	20753.07599 (92100506)	23897.13973 (92100506)
3602384.8	17151.26689 (92122207)	19198.60201 (92122207)	22524.63098 (92100404)	28701.24075 (90020607)	38618.42536 (91031608)
3602234.8	16594.52453 (90020607)	17988.42937 (90110404)	19529.56753 (91031608)	20491.32025 (90022203)	21364.89649 (92103107)
3602084.8	14501.44869 (91031608)	14841.30811 (90012806)	15432.67704 (90092306)	16160.59035 (92103107)	16454.12785 (92110709)
3601934.8	12129.42096 (90012806)	12848.82603 (92012907)	13348.86229 (90091203)	13832.35326 (92110709)	13961.94347 (91121305)
3601784.8	11135.38703 (92103107)	11544.68011 (90091203)	11960.27645 (90110206)	12223.10162 (92011308)	12074.16169 (90010603)
3601634.8	10243.32045 (90091203)	10591.17537 (90110206)	10815.82955 (92011308)	10942.75011 (91121305)	10800.99351 (90110405)

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 3601484.8 |   9524.55677 (90110206)   9682.38743 (92110709)   9897.17659 (91121305)
9818.70218 (90010603)   9802.39881 (90120604)
 3601334.8 |   8836.41359 (92110709)   9020.59789 (92011308)   9081.30518 (91121305)
8948.52672 (91121207)   9115.73032 (90020606)
 3601184.8 |   8244.28915 (92011308)   8389.17718 (91121305)   8299.88141 (90010603)
8319.69332 (90110405)   8577.15567 (90020606)
 3601034.8 |   7737.21841 (92011308)   7781.15950 (91121305)   7715.29944 (90010603)
7743.19730 (90120604)   8102.60270 (90020606)
 3600884.8 |   7287.19729 (91121305)   7199.45700 (90010603)   7199.67389 (90110405)
7291.85763 (91012203)   7684.19306 (90110403)
 3600734.8 |   6807.88966 (91121305)   6777.99415 (90010603)   6794.98622 (90110405)
6965.20981 (91012203)   7308.25762 (90110403)
 3600584.8 |   6358.31235 (90010603)   6360.95784 (91121207)   6419.85100 (92122605)
6669.01573 (92122605)   6967.73241 (90110403)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500404.52	500554.52	500704.52	500854.52	501004.52
3603584.8	49244.44721 (92092408)	48435.67947 (92092408)	47157.45357 (92092408)	45729.53323 (92092408)	44145.91011 (92092408)
3603434.8	93134.19282 (92092408)	96940.11618 (92092408)	80921.16112 (92092408)	82154.99316 (92092408)	82891.60041 (92092408)
3603284.8	35770.83954 (91021909)	35632.46900 (91021909)	35428.39965 (91021909)	35197.16188 (91021909)	34795.88926 (91021909)
3603134.8	40228.42153 (91031207)	44415.55498 (91013103)	49425.41517 (91013103)	53019.56236 (90012807)	59281.03527 (92092408)
3602984.8	66320.31307 (90021006)	60062.76169 (92100506)	61891.35452 (90091205)	57877.43841 (90091205)	53576.94925 (90110504)
3602834.8	32844.75669 (90022005)	33015.13271 (90120106)	33059.73807 (92122602)	32117.69386 (90010509)	30859.55484 (90021108)
3602684.8	24086.12901 (90022005)	25271.33841 (90070507)	25314.40984 (92012307)	26343.49284 (92110607)	30600.70446 (92092408)
3602534.8	29467.69543 (92100506)	41610.31400 (92122207)	47423.64325 (92092408)	39872.83052 (92092408)	36705.95854 (90122610)
3602384.8	38721.77908 (90022203)	31546.90534 (90031508)	27827.36896 (90101004)	25044.72174 (92012307)	24196.58384 (92012205)
3602234.8	21714.82629 (90121007)	22522.02653 (90022005)	21798.56559 (90070507)	20665.77991 (92012307)	19955.58023 (90010407)
3602084.8	17279.73498 (90121007)	18607.38926 (90022005)	18486.51193 (92100803)	17901.02524 (90102406)	17350.76890 (92012307)
3601934.8	14639.44954 (90121007)	16008.42136 (90022005)	16200.78825 (90031508)	15920.46071 (90101004)	15632.39061 (92012307)
3601784.8	12864.63734 (90113001)	14107.52507 (91021003)	14507.34372 (90031508)	14393.84063 (90070507)	14217.92639 (92012307)
3601634.8	11580.21339 (92122107)	12639.82758 (91021003)	13124.99126 (90022005)	13172.04689 (92100803)	13037.34743 (90101004)

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 3601484.8 |  10608.29644 (92122107)  11500.73549 (90121007)  12005.58796 (90022005)
12085.40318 (92100803)  12033.96008 (90101004)
 3601334.8 |   9815.79933 (92122107)  10570.69747 (90121007)  11013.26333 (90022005)
11200.64185 (90031508)  11189.83004 (90070507)
 3601184.8 |   9153.24534 (90020606)   9782.87754 (90121007)  10185.65788 (90021008)
10399.26316 (90031508)  10459.10600 (92100803)
 3601034.8 |   8601.69704 (90020606)   9106.41416 (90121007)   9490.92338 (91021003)
9720.44719 (90022005)   9783.64369 (92100803)
 3600884.8 |   8116.18820 (90020606)   8510.55615 (90113001)   8866.77548 (91021003)
9120.55341 (90022005)   9188.02886 (90031508)
 3600734.8 |   7686.27008 (90020606)   8005.74072 (90113001)   8332.00181 (90121007)
8562.88424 (90022005)   8667.31343 (90031508)
 3600584.8 |   7302.37335 (90020606)   7555.58745 (90113001)   7878.07091 (90121007)
8069.15837 (90021008)   8168.26602 (90031508)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501154.52	501304.52	501454.52	501604.52	501754.52
3603584.8	42443.73775 (92092408)	40943.11576 (92092408)	39069.69950 (92092408)	37070.80299 (92092408)	35295.16395 (92092408)
3603434.8	74174.28472 (92092408)	63318.11847 (92092408)	62055.01841 (92092408)	60408.44587 (92092408)	57832.69175 (92092408)
3603284.8	34126.82783 (91021909)	33809.76102 (92092408)	35160.36082 (92092408)	35788.76576 (92092408)	35898.15283 (90011110)
3603134.8	64172.09331 (92092408)	61594.03286 (92092408)	56285.90259 (92092408)	51634.80578 (92092408)	48426.01265 (92092408)
3602984.8	53213.45861 (90110504)	59195.54077 (91030303)	63971.02018 (90110504)	70946.26955 (90010410)	72320.24412 (90010410)
3602834.8	29806.70041 (92013009)	29830.97593 (92122207)	32033.42542 (92122207)	34965.87656 (90020607)	43345.99563 (90020607)
3602684.8	33906.42177 (92092408)	28921.73623 (92092408)	24335.08379 (90020607)	27732.38139 (90020607)	37459.78315 (91110302)
3602534.8	33659.72415 (90120404)	24756.51850 (92013009)	21212.61772 (91031608)	24257.67284 (90012806)	36245.06317 (91121305)
3602384.8	22702.92668 (90032105)	22039.51095 (90120106)	20075.78752 (90120404)	22922.09665 (91110302)	34414.91407 (90110405)
3602234.8	19350.01754 (91013007)	18056.81652 (90032105)	17811.32185 (92110709)	21999.14522 (91121305)	28610.09199 (90012504)
3602084.8	17019.76516 (92011305)	15952.47710 (92011404)	16905.14733 (92011308)	19970.91885 (91121207)	23532.68915 (90110406)
3601934.8	15298.68157 (90010407)	14692.41831 (91013007)	15135.65776 (91121305)	17768.52654 (90110405)	19410.86904 (90120306)
3601784.8	13935.83598 (90010407)	13559.56218 (92011305)	14168.02476 (90010603)	15496.09712 (92092803)	16224.79582 (90090503)
3601634.8	12860.79521 (92012307)	12583.94216 (92012205)	12881.38214 (92110108)	13472.44612 (90012504)	14140.04194 (90100905)

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 3601484.8 |  11971.58129 (92012307)  11732.97277 (90010407)  11695.94263 (90120604)
12073.08805 (90110406)  12462.78006 (90031506)
 3601334.8 |  11137.10380 (90102406)  10929.00561 (90010407)  10732.44634 (92012205)
10893.64509 (92112604)  11059.23255 (90031506)
 3601184.8 |  10421.36670 (90101004)  10335.53003 (92012307)  10139.35008 (90010407)
9868.27073 (90120306)   9850.47905 (90012605)
 3601034.8 |   9756.45512 (90101004)   9745.46720 (92012307)   9565.99946 (90010407)
9371.28270 (92011305)   9114.54241 (91013007)
 3600884.8 |   9197.34174 (90070507)   9175.32413 (90102406)   9049.39424 (92012307)
8914.68666 (92012205)   8694.64204 (90010907)
 3600734.8 |   8688.67210 (92100803)   8671.00515 (90101004)   8631.80707 (92012307)
8491.40143 (90010407)   8326.51652 (92011305)
 3600584.8 |   8223.64218 (92100803)   8190.11712 (90101004)   8191.91697 (92012307)
8036.38234 (90010407)   7965.10437 (92012205)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501904.52
3603584.8	33750.48375 (92092408)
3603434.8	56050.09282 (92092408)
3603284.8	41515.20275 (90012710)
3603134.8	65544.95344 (90012710)
3602984.8	97913.28014 (90012710)
3602834.8	81979.10516 (90020606)
3602684.8	84436.34539 (90020606)
3602534.8	99214.92515 (90110403)
3602384.8	50477.02143 (90110403)
3602234.8	33685.22793 (91012203)
3602084.8	25306.00330 (91012203)
3601934.8	20240.55951 (91012203)
3601784.8	16850.25926 (91012203)
3601634.8	14430.47788 (91012203)
3601484.8	12615.85272 (91012203)
3601334.8	11197.99117 (91012203)
3601184.8	10064.24250 (91012203)
3601034.8	9137.30290 (91012203)
3600884.8	8458.23115 (92011404)
3600734.8	8130.98576 (91013007)
3600584.8	7789.31202 (90010907)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 498903.40	499053.40	499203.40	499353.40	499503.40
3606568.1	9569.92243 (91012204)	10785.81162 (90121806)	13085.85870 (90121005)	14020.67320 (90022508)	13678.57954 (92111309)
3606418.1	9419.53943 (92022604)	10897.53709 (91012204)	13089.80682 (90022003)	16798.07398 (90121005)	16901.39814 (92111309)
3606268.1	9215.59635 (90010911)	10517.69533 (92022604)	12977.38669 (91012204)	19194.37628 (90022003)	24041.30862 (92111309)
3606118.1	9128.62166 (90020605)	10142.96079 (90010911)	12194.87988 (92022604)	17052.01638 (91012204)	31479.10208 (90022508)
3605968.1	9283.98492 (90020605)	9872.17649 (90020605)	11472.60905 (90010911)	15225.00706 (92022604)	28655.38410 (90121005)
3605818.1	9536.05863 (90010409)	10003.32326 (90020605)	10828.55189 (90121806)	13548.28345 (90010911)	22160.92879 (91012204)
3605668.1	9988.34125 (90010409)	10348.61566 (90020605)	11010.56875 (90121806)	12212.49777 (90121806)	17348.44068 (90010911)
3605518.1	10191.88107 (90031406)	10912.36605 (90010409)	11386.61793 (90020605)	12562.47365 (90121806)	14781.80064 (90022003)
3605368.1	10825.45165 (90012904)	11144.58528 (90031406)	12058.55501 (90010409)	12775.32608 (91012204)	14551.13187 (90121806)
3605218.1	11013.04271 (90012904)	11851.83558 (90012904)	12319.80908 (90031406)	13530.61786 (90010409)	15045.35728 (90121806)
3605068.1	11097.58022 (90012310)	11988.84669 (90012310)	13082.70350 (90012904)	13831.67185 (90012904)	15552.39243 (90010409)
3604918.1	11410.49916 (90012906)	12025.43396 (92020506)	13149.14454 (90012310)	14597.87967 (90012904)	16013.43593 (90012904)
3604768.1	11729.20876 (90012906)	12417.23383 (90012906)	13182.09936 (92020506)	14536.08757 (90012310)	16542.80298 (90012904)
3604618.1	12169.53198 (90121805)	12508.24287 (90012906)	13526.79845 (90012906)	14530.10064 (92020506)	16296.33869 (90012310)

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3604468.1 | 12722.55843 (90020406) 13189.01486 (90121805) 13747.31752 (90121805) 14733.71728 (90012906) 16381.22582 (90012906)
3604318.1 | 13730.50167 (90121706) 13905.43930 (90020406) 14260.35676 (90121805) 15071.38799 (90121805) 16218.85123 (90121805)
3604168.1 | 15304.83748 (91011102) 15348.27431 (90121706) 15406.50625 (90121706) 15686.94587 (90020406) 16401.71414 (90121805)
3604018.1 | 17691.79568 (91011102) 17682.32764 (91011102) 17570.92399 (91011102) 17555.03337 (90121706) 17603.48126 (90121706)
3603868.1 | 21681.45920 (91012307) 21284.71199 (91012307) 20961.18786 (91011102) 20980.33025 (91011102) 20882.35570 (91011102)
3603718.1 | 27861.98525 (90110307) 27987.47080 (90110307) 27885.13294 (91012307) 27461.32482 (91012307) 27113.71709 (92092408)
3603568.1 | 40396.73629 (90020703) 40593.11331 (90012807) 41939.42759 (92092408) 44379.08945 (92092408) 46279.00585 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 499653.40	499803.40	499953.40	500103.40	500253.40
3606568.1	11352.64916 (90022306)	9581.35058 (90022306)	8692.10921 (90012710)	8171.16250 (90102106)	7613.99215 (90122502)
3606418.1	12641.10698 (92020809)	10516.93138 (90022306)	9336.19644 (90012710)	8685.73262 (90102106)	8009.29194 (90122502)
3606268.1	14529.87853 (92020809)	11697.17606 (90022306)	10121.39340 (90012710)	9270.64223 (90102106)	8428.04447 (90122502)
3606118.1	17395.15100 (92020809)	13210.87273 (90022306)	11093.37414 (90012710)	9929.32685 (90102106)	8905.30031 (92122401)
3605968.1	21871.80983 (92020809)	15159.67790 (90022306)	12315.30968 (90012710)	10752.32758 (90122502)	9425.48471 (92122401)
3605818.1	29089.34885 (90022306)	17776.38067 (90022306)	13890.94622 (90012710)	11659.50586 (90122502)	9972.22599 (91011312)
3605668.1	28892.92359 (90121005)	22031.11025 (92020809)	15985.61099 (90012710)	12624.64004 (90122502)	10546.70216 (91011312)
3605518.1	27391.53268 (90010911)	30614.09234 (92111309)	18897.80121 (90012710)	13632.75726 (90122502)	11185.33605 (91011312)
3605368.1	18585.94209 (90121005)	28670.55878 (91012204)	23548.09730 (90102106)	14696.70306 (90122502)	12007.63914 (92112405)
3605218.1	18542.53355 (90022003)	24985.27108 (90011110)	30538.85708 (90102106)	16032.07674 (90122502)	13055.58456 (92112405)
3605068.1	18555.45915 (90121806)	26631.53130 (90121005)	30013.14805 (90022306)	17845.75878 (90122502)	14163.25863 (91011803)
3604918.1	18744.36849 (90010409)	27395.64088 (90022003)	35199.66061 (90022306)	20173.77365 (90122502)	15339.77607 (91011803)
3604768.1	19227.09575 (90012904)	26357.31924 (90121806)	44694.41417 (92111309)	23055.51124 (90122502)	16678.26187 (90112403)
3604618.1	19274.41823 (90012904)	24618.55301 (90012904)	44850.70272 (90121005)	28126.63491 (92092408)	19250.93022 (92092408)

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3604468.1 | 18719.12676 (90012310) 23769.00269 (90012904) 40075.28575 (90010911) 34243.96013 (92092408) 21927.91648 (92092408)
3604318.1 | 18670.92775 (90012906) 22560.34372 (92020506) 33400.16837 (90012904) 41987.97387 (90102106) 25547.87458 (92092408)
3604168.1 | 18087.00065 (90121805) 21483.39874 (90012906) 29671.26180 (92020506) 50945.88669 (92100803) 31005.77538 (92092408)
3604018.1 | 18040.93349 (90020406) 19634.05210 (90121805) 25382.65178 (90121805) 47605.53802 (90020606) 38502.79759 (92092408)
3603868.1 | 20769.98301 (90121706) 21800.78697 (92092408) 23615.42988 (92092408) 34410.47747 (90020606) 36912.42619 (92092408)
3603718.1 | 28447.22591 (92092408) 29559.17872 (92092408) 30654.95752 (92092408) 31917.45346 (92092408) 32454.73920 (92092408)
3603568.1 | 47676.14462 (92092408) 49544.27925 (92092408) 51631.85529 (92092408) 53032.33839 (92092408) 53142.58052 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 500403.40	500553.40	500703.40	500853.40	501003.40
3606568.1	7072.99681 (91011312)	6739.63823 (92112405)	6469.03337 (91011803)	6214.28629 (91013010)	5976.00142 (90012509)
3606418.1	7385.82310 (91011312)	7031.72173 (92112405)	6715.54182 (91011803)	6437.90887 (90012509)	6277.98078 (90040908)
3606268.1	7732.09720 (90122810)	7337.45939 (91011803)	6980.99268 (91013010)	6674.98777 (90012509)	6621.28841 (90040908)
3606118.1	8164.17039 (92112405)	7691.74926 (91011803)	7279.56734 (91013010)	7032.16840 (90040908)	6953.32526 (90040908)
3605968.1	8604.70474 (92112405)	8051.04321 (91011803)	7573.41431 (90012509)	7411.96340 (90040908)	7321.02425 (90010510)
3605818.1	9056.80885 (92112405)	8412.63555 (91011803)	7953.01169 (90040908)	7825.06711 (90010510)	7730.77830 (90010510)
3605668.1	9535.43333 (92112405)	8852.82713 (91013010)	8423.45177 (90010510)	8313.37878 (90010510)	8110.51393 (90010510)
3605518.1	10142.61933 (91011803)	9291.53065 (91013010)	9009.74591 (90010510)	8788.25425 (90010510)	8560.99251 (90071406)
3605368.1	10781.36107 (91011803)	9897.04451 (90010510)	9616.46647 (90010510)	9312.18165 (90071406)	9037.27557 (90112403)
3605218.1	11463.50873 (91013010)	10703.81114 (90010510)	10266.40434 (90071406)	9896.19799 (90112403)	9568.02824 (90112403)
3605068.1	12255.44203 (90010510)	11550.41036 (90071406)	10988.35882 (90112403)	10481.42071 (90112403)	10048.97594 (92110607)
3604918.1	13424.64467 (90071406)	12439.63655 (90112403)	11643.27916 (92110608)	11062.60540 (92110607)	10483.52784 (92110607)
3604768.1	14540.51624 (90112403)	13229.06829 (92110607)	12353.10119 (92110607)	11572.35016 (92110607)	10883.90128 (91081304)
3604618.1	15615.54497 (92110607)	14107.60488 (92110607)	12995.06954 (92110607)	12148.02051 (91081304)	11407.75238 (91081304)

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 3604468.1 |  17426.24222 (92092408)  15150.09874 (92092408)  13844.84898 (92092408)
13061.70674 (92092408)  12590.99255 (92092408)
 3604318.1 |  20171.68772 (92092408)  17742.39155 (92092408)  16474.85042 (92092408)
15757.09945 (92092408)  15308.09831 (92092408)
 3604168.1 |  24347.02775 (92092408)  21607.21191 (92092408)  20108.05185 (92092408)
19084.33766 (92092408)  18318.20252 (92092408)
 3604018.1 |  29431.36667 (92092408)  25290.89685 (92092408)  22919.04223 (92092408)
21518.75553 (92092408)  20653.61963 (92092408)
 3603868.1 |  27608.42919 (92092408)  25458.85247 (92092408)  24664.72873 (92092408)
24293.16996 (92092408)  24040.66896 (92092408)
 3603718.1 |  32363.36981 (92092408)  32413.45176 (92092408)  32426.17472 (92092408)
32212.57663 (92092408)  31743.13366 (92092408)
 3603568.1 |  52573.83152 (92092408)  51399.51072 (92092408)  49827.69538 (92092408)
48208.81144 (92092408)  46460.76548 (92092408)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501153.40	501303.40	501453.40	501603.40	501753.40
3606568.1	5963.69547 (90040908)	5948.26224 (90040908)	5882.01421 (90010510)	5852.70334 (90010510)	5738.26591 (90010510)
3606418.1	6265.18073 (90040908)	6190.50560 (90101009)	6160.91353 (90010510)	6052.63967 (90010510)	5946.42766 (90102210)
3606268.1	6550.76366 (90040908)	6502.48679 (90010510)	6401.22310 (90010510)	6264.31611 (90102210)	6200.45892 (90071406)
3606118.1	6885.45621 (90010510)	6790.38240 (90010510)	6622.47075 (90102210)	6550.51793 (90071406)	6429.77922 (90071406)
3605968.1	7229.26621 (90010510)	7030.59032 (90010510)	6948.26367 (90071406)	6810.96702 (90071406)	6727.32151 (90112403)
3605818.1	7531.92470 (90010510)	7404.70831 (90071406)	7246.55340 (90071406)	7143.13924 (90112403)	6976.20445 (92110608)
3605668.1	7935.34596 (90071406)	7748.72539 (90071406)	7619.98564 (90112403)	7417.03917 (92110608)	7244.96879 (92110607)
3605518.1	8334.11526 (90071406)	8171.37683 (90112403)	7922.66514 (92110608)	7718.97511 (92110607)	7441.42515 (92110607)
3605368.1	8814.52715 (90112403)	8512.85161 (92110607)	8261.10273 (92110607)	7912.54322 (90102103)	7561.18730 (90102103)
3605218.1	9220.63227 (92110607)	8887.07211 (92110607)	8468.25718 (90102103)	8119.34750 (91081304)	7926.23630 (91081304)
3605068.1	9614.60864 (92110607)	9104.44715 (90102103)	8781.88857 (91081304)	8489.97835 (91081304)	8140.97420 (91081304)
3604918.1	9856.79639 (90102103)	9534.11470 (91081304)	9118.85438 (91081304)	8786.47410 (90020502)	8537.33583 (90020502)
3604768.1	10391.07383 (91081304)	9879.61821 (90020502)	9538.10601 (90020502)	9350.61053 (90101010)	8850.68584 (91012511)
3604618.1	10890.31879 (90020502)	10369.89468 (90020502)	10146.00943 (92111309)	10256.60661 (92020809)	9947.22625 (92092408)

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 3604468.1 |  12314.13045 (92092408)  12157.84395 (92092408)  12076.97432 (92092408)
12044.14561 (92092408)  12030.93370 (92092408)
 3604318.1 |  14994.00792 (92092408)  14755.54515 (92092408)  14566.21975 (92092408)
14411.84027 (92092408)  14276.04280 (92092408)
 3604168.1 |  17732.17512 (92092408)  17279.41757 (92092408)  16922.97196 (92092408)
16632.86602 (92092408)  16383.99992 (92092408)
 3604018.1 |  20082.87967 (92092408)  19673.60102 (92092408)  19350.70071 (92092408)
19070.91246 (92092408)  18809.96982 (92092408)
 3603868.1 |  23791.64531 (92092408)  23517.28983 (92092408)  23218.03458 (92092408)
22894.82451 (92092408)  22536.34555 (92092408)
 3603718.1 |  31101.29950 (92092408)  30425.23065 (92092408)  29768.22872 (92092408)
29032.42393 (92092408)  28157.51271 (92092408)
 3603568.1 |  44568.42368 (92092408)  42842.07162 (92092408)  40600.13222 (92092408)
38388.03276 (92092408)  36527.28328 (92092408)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501903.40
3606568.1	5662.09853 (90102210)
3606418.1	5889.93198 (90071406)
3606268.1	6093.80302 (90071406)
3606118.1	6362.23003 (90112403)
3605968.1	6589.38832 (92110608)
3605818.1	6827.83051 (92110607)
3605668.1	7028.56665 (92110607)
3605518.1	7146.69408 (90102103)
3605368.1	7418.47559 (91081304)
3605218.1	7671.42538 (91081304)
3605068.1	7957.35534 (90020502)
3604918.1	8270.06969 (90020502)
3604768.1	8855.19223 (90012710)
3604618.1	9980.90232 (92092408)
3604468.1	12032.16886 (92092408)
3604318.1	14151.65761 (92092408)
3604168.1	16159.09166 (92092408)
3604018.1	18553.80205 (92092408)
3603868.1	22129.29262 (92092408)
3603718.1	27213.29455 (92092408)
3603568.1	34928.43541 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501887.15	502037.15	502187.15	502337.15	502487.15
3603585.1	33894.16478 (92092408)	32607.55310 (92092408)	31547.13046 (92092408)	30396.32054 (92092408)	29282.34681 (92092408)
3603435.1	57514.89737 (92092408)	51178.21041 (92092408)	45971.71187 (92092408)	43884.50279 (92092408)	42525.13840 (92092408)
3603285.1	40667.07017 (90121403)	34127.16023 (92112405)	32060.27513 (92092408)	31195.15467 (92092408)	30383.20086 (92092408)
3603135.1	64220.81484 (90121403)	43532.67362 (92092408)	40560.66058 (92092408)	38638.86020 (92092408)	37992.20858 (92092408)
3602985.1	93073.42986 (90121403)	80246.54858 (92092408)	65333.63319 (92092408)	58323.29722 (92092408)	54272.47212 (92092408)
3602835.1	79552.76022 (90031506)	60453.99960 (90021108)	48331.77626 (91110506)	42301.70151 (90110504)	37827.41898 (90091205)
3602685.1	83038.14355 (90012605)	48563.13324 (90120106)	38384.87145 (92122602)	34201.47225 (90010509)	31218.31577 (92013009)
3602535.1	97703.54017 (90012605)	41928.01330 (90123106)	32978.78826 (90120106)	29327.72181 (90120404)	27225.92617 (92122602)
3602385.1	50474.44924 (92122605)	36628.84682 (92012307)	28618.75965 (90010305)	25691.07332 (90012903)	24147.89630 (90120106)
3602235.1	33962.74775 (92122605)	29921.34803 (92100803)	24516.00894 (92011404)	22676.40928 (90010305)	21163.44955 (92012303)
3602085.1	25465.90212 (92122605)	24281.66578 (90022005)	21277.22997 (90010407)	19769.56052 (92122606)	19048.06877 (90010305)
3601935.1	20314.89985 (92122605)	19917.08024 (91021003)	18357.12684 (90102406)	17160.23198 (91012202)	16804.94742 (92012206)
3601785.1	16881.05651 (91012203)	16786.16863 (90121007)	15917.91228 (90070507)	15180.83589 (92012205)	14834.40948 (90010803)
3601635.1	14470.19777 (91012203)	14396.38331 (90113001)	13932.68169 (90031508)	13438.49250 (92012307)	13201.55154 (91013007)

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 3601485.1 |  12658.43308 (91012203)  12580.73731 (90113001)  12265.47763 (90022005)
12038.17671 (90101004)  11847.51754 (92012205)
 3601335.1 |  11240.46930 (91012203)  10997.95850 (92122107)  11151.56745 (90022005)
10834.48395 (90070507)  10636.36024 (91012207)
 3601185.1 |  10105.34233 (91012203)   9997.29660 (92122107)  10052.03097 (90021008)
9890.67963 (92100803)   9803.02351 (92012307)
 3601035.1 |   9176.47855 (91012203)   9099.72467 (92122107)   9167.57939 (91021003)
9013.58488 (90031508)   8944.65217 (90101004)
 3600885.1 |   8478.90340 (91013007)   8329.37225 (90090803)   8295.16302 (92112204)
8309.26315 (90031508)   8156.19618 (90070507)
 3600735.1 |   8153.79911 (91013007)   7947.69485 (92011404)   7756.98860 (90121007)
7705.72913 (90022005)   7632.28216 (90070507)
 3600585.1 |   7810.41969 (92011305)   7630.84453 (91013007)   7449.85312 (92011404)
7256.91108 (90030707)   7128.86818 (92122606)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 502637.15	502787.15	502937.15	503087.15	503237.15
3603585.1	28339.51962 (92092408)	27588.72663 (92092408)	27002.68166 (92092408)	26549.07994 (92092408)	26215.04139 (92092408)
3603435.1	41474.75852 (92092408)	40092.43245 (92092408)	39546.43107 (92092408)	39056.00212 (92092408)	38697.13236 (92092408)
3603285.1	29678.87581 (92092408)	29259.30838 (92092408)	29176.00619 (92092408)	29359.04751 (92092408)	29731.01375 (92092408)
3603135.1	37610.89713 (92092408)	37141.98725 (92092408)	36627.54862 (92092408)	36199.74515 (92092408)	36004.75377 (92092408)
3602985.1	51645.76586 (92092408)	49835.87154 (92092408)	48558.24683 (92092408)	47723.85625 (92092408)	47531.70375 (92092408)
3602835.1	34864.26671 (90091205)	32770.80719 (90010410)	31228.88193 (90010410)	30177.71407 (90010410)	29777.55446 (90010410)
3602685.1	29149.30699 (91110506)	27745.62430 (91110506)	26479.52912 (90110504)	25455.78836 (90110504)	24867.26430 (90100408)
3602535.1	25703.08592 (90010509)	24372.06394 (92013009)	23238.96868 (92070904)	22491.26230 (92070904)	22340.20654 (92103107)
3602385.1	22880.98686 (90120404)	21922.04692 (92122602)	21057.05012 (90010509)	20434.41263 (90010509)	20030.95769 (92110709)
3602235.1	20376.93014 (90122610)	19763.85834 (90120106)	19113.13886 (90120404)	18463.94279 (92122602)	18070.91295 (92122602)
3602085.1	18108.65302 (91013011)	17597.66178 (90012903)	17226.07268 (90101006)	16911.05799 (90120106)	16503.36332 (90120404)
3601935.1	16508.82337 (90010305)	15940.03448 (91013011)	15548.71718 (90032105)	15310.52519 (90122610)	14976.25944 (90120706)
3601785.1	14822.97925 (92012206)	14582.46188 (90010305)	14199.52047 (91013011)	13806.63444 (90012809)	13695.79590 (90012903)
3601635.1	13240.72532 (92122606)	13217.92897 (90120307)	13052.83340 (90010305)	12782.68884 (91013011)	12521.49271 (90012809)

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 3601485.1 |  11784.60972 (91020107)  11990.56275 (90010908)  11987.54990 (90120307)
11846.12563 (90102607)  11615.64418 (91013011)
 3601335.1 |  10725.78800 (91013007)  10798.95368 (91100207)  10933.46737 (92012206)
10983.67712 (92011304)  10848.11786 (90102607)
 3601185.1 |   9767.71506 (92011305)   9866.90350 (92011404)  10031.12752 (92122606)
10135.41132 (92012206)  10113.48434 (92011304)
 3601035.1 |   8959.56782 (90010407)   9045.04937 (91013007)   9173.74387 (90010803)
9327.58408 (90010908)   9345.62972 (90111103)
 3600885.1 |   8158.88039 (90110303)   8331.49009 (92011305)   8474.62409 (92011404)
8602.12303 (90030707)   8682.27132 (90010908)
 3600735.1 |   7661.60798 (92012307)   7704.61170 (90010407)   7837.07289 (91013007)
7951.73507 (90010803)   8123.07608 (92122606)
 3600585.1 |   7121.25772 (90101004)   7134.00623 (91012207)   7269.48931 (92011305)
7425.29414 (92011404)   7518.61171 (91100207)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503387.15	503537.15	503687.15	503837.15	503987.15
3603585.1	26025.72009 (92092408)	26009.86738 (92092408)	25989.88514 (92092408)	25983.74931 (92092408)	26353.46716 (92092408)
3603435.1	38385.28311 (92092408)	39781.54576 (92092408)	44514.95059 (92092408)	48257.05877 (92092408)	49793.82582 (92092408)
3603285.1	30304.50620 (92092408)	31529.66955 (92092408)	32440.85013 (92092408)	32719.22272 (92092408)	33002.21921 (92092408)
3603135.1	36129.60619 (92092408)	40074.94160 (90102106)	34377.80496 (92092408)	33795.94378 (92092408)	33144.51550 (92092408)
3602985.1	49092.03852 (92092408)	63419.11216 (90102106)	56987.65932 (92092408)	46563.71151 (92092408)	41303.92534 (92092408)
3602835.1	36688.57550 (90012806)	63871.34349 (90121007)	47240.71019 (90010410)	37596.10654 (90010410)	32547.63445 (91021909)
3602685.1	34750.64015 (92103107)	61512.92439 (90020606)	42613.11836 (90091205)	33777.02657 (90010410)	29659.93525 (90010410)
3602535.1	32671.24797 (92011308)	71375.97234 (90020606)	30932.19137 (92011304)	26514.38613 (91110506)	24725.89002 (90110504)
3602385.1	26562.87594 (90110405)	33264.91950 (90110403)	25285.65779 (92012205)	19220.52375 (91021906)	18165.67458 (92070904)
3602235.1	19955.85936 (92092803)	22152.09387 (90110403)	19126.38879 (92100803)	16079.96314 (90010803)	15453.48850 (92070904)
3602085.1	15987.74284 (91111303)	16813.91664 (91012203)	15461.02178 (90022005)	14845.68860 (90010509)	14421.97968 (90021108)
3601935.1	14791.06792 (90031605)	14488.78384 (90120404)	14086.25204 (91111303)	13786.11370 (92122602)	13497.89420 (92122602)
3601785.1	13538.32259 (90101006)	13347.09793 (90120106)	13152.02715 (90031605)	12911.83315 (90120404)	12613.00132 (91111303)
3601635.1	12355.71838 (90032105)	12311.48523 (90122610)	12120.56826 (90102209)	12060.19633 (90120106)	11862.23420 (90031605)

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3601485.1 | 11436.83363 (92012303) 11369.79879 (90032105) 11297.27509 (90122610) 11181.02952 (90101006) 11032.08604 (90120706)
3601335.1 | 10669.01816 (92011303) 10538.21140 (92012303) 10465.16374 (90032105) 10397.62230 (90012903) 10341.76921 (90122610)
3601185.1 | 10005.39909 (90102607) 9869.74212 (92011303) 9757.48994 (92012303) 9655.14652 (90032105) 9616.77539 (90012903)
3601035.1 | 9392.44959 (91021906) 9284.01556 (90102607) 9186.03453 (92011303) 9083.96903 (90010405) 9020.63828 (90012809)
3600885.1 | 8751.25480 (90120307) 8767.89463 (91021906) 8659.06819 (90102607) 8594.69366 (90123106) 8518.17658 (90010405)
3600735.1 | 8192.77283 (92012206) 8225.92488 (90120307) 8205.35413 (91021906) 8111.50234 (90102607) 8079.82713 (90123106)
3600585.1 | 7659.15888 (90010908) 7742.06328 (92012206) 7741.74016 (92011304) 7739.10211 (90010305) 7626.60481 (90102607)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504137.15	504287.15	504437.15	504587.15	504737.15
3603585.1	26941.48638 (92092408)	27537.46682 (92092408)	28152.75092 (92092408)	29035.02534 (92092408)	29592.54193 (92092408)
3603435.1	50158.63781 (92092408)	50058.67856 (92092408)	49127.91485 (92092408)	48201.59636 (92092408)	48831.46964 (92092408)
3603285.1	33325.78684 (92092408)	33347.99873 (92092408)	33191.25624 (92092408)	32941.75141 (92092408)	32318.05037 (92092408)
3603135.1	32090.92590 (92092408)	30828.04926 (92092408)	29486.36044 (92092408)	28060.57015 (92092408)	26472.47154 (92092408)
3602985.1	37957.11454 (92092408)	35483.34197 (92092408)	39306.25922 (92092408)	37049.55458 (92092408)	32208.73901 (92092408)
3602835.1	29552.33166 (91021909)	27456.95234 (91021909)	25933.77987 (91021909)	24910.32041 (91021909)	24707.27719 (91021909)
3602685.1	27016.88244 (90010410)	25025.78363 (90010410)	23439.60085 (90010410)	22189.26581 (90010410)	21292.48425 (90010410)
3602535.1	23313.36003 (90110504)	22087.41209 (90110504)	20990.98884 (90110504)	20118.71240 (90100408)	19509.49797 (90091205)
3602385.1	18262.65550 (92070904)	18264.34642 (91110506)	18109.94190 (91110506)	17850.53590 (91110506)	17595.19892 (90110504)
3602235.1	15382.24006 (92070904)	15421.12993 (92070904)	15464.96373 (92070904)	15463.38173 (92070904)	15429.84903 (92070904)
3602085.1	14074.92784 (90021108)	13885.97453 (92013009)	13767.19864 (92013009)	13718.75950 (92013009)	13875.65776 (92070904)
3601935.1	13067.18002 (90010509)	12974.26836 (90010509)	12817.85539 (90010509)	12774.97440 (90021108)	13526.41957 (91030303)
3601785.1	12296.25962 (92122602)	12226.15223 (92122602)	11993.38653 (92122602)	13221.24613 (92100506)	15702.68213 (92122207)
3601635.1	11698.78570 (90120404)	11493.51984 (91111303)	12125.31157 (90020607)	14292.48226 (90020607)	17712.41034 (91031608)

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 3601485.1 |  11017.07004 (90120106)  10853.10018 (90031605)  12159.27829 (90012806)
14065.97976 (90012806)  17207.77584 (90022203)
 3601335.1 |  10272.47650 (90101006)  10203.34965 (90011809)  11548.75665 (90022203)
13073.93936 (90092306)  15185.65134 (92012907)
 3601185.1 |   9671.80688 (90122610)   9748.23720 (90022203)  10804.67720 (90092306)
11862.21959 (92012907)  12664.04273 (92102504)
 3601035.1 |   9035.72425 (90032105)   9083.55545 (90092305)   9820.04122 (92103107)
10341.03382 (92102504)  11157.97622 (90091203)
 3600885.1 |   8478.07198 (90012809)   8496.99275 (90032105)   8744.65579 (92102504)
9469.23475 (90091203)   9711.69205 (92110709)
 3600735.1 |   8014.08695 (90010405)   7981.70385 (90012809)   8187.52650 (90091203)
8391.79679 (92110709)   8709.72821 (92011308)
 3600585.1 |   7622.43747 (90123106)   7568.83540 (91013011)   7529.05370 (92012303)
7537.81130 (92042704)   7995.89413 (91121305)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART5 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504887.15
3603585.1	32184.27219 (92092408)
3603435.1	49380.09947 (92092408)
3603285.1	29812.78013 (92092408)
3603135.1	24790.48849 (92092408)
3602985.1	26106.49704 (92092408)
3602835.1	27620.07347 (90012904)
3602685.1	20929.86586 (90010410)
3602535.1	19172.07206 (90091205)
3602385.1	17510.20859 (90110504)
3602235.1	15564.07679 (91110506)
3602085.1	14700.36384 (91011103)
3601935.1	15697.31853 (90021006)
3601785.1	19560.75524 (92122207)
3601635.1	23797.55552 (90012806)
3601485.1	20933.58783 (90092306)
3601335.1	16369.46935 (92102504)
3601185.1	13494.00637 (90110206)
3601035.1	11281.13826 (92110709)
3600885.1	10016.79259 (92011308)
3600735.1	9060.74025 (91121305)
3600585.1	8056.83786 (90010603)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501885.74	502035.74	502185.74	502335.74	502485.74
3606565.9	5667.73697 (90102210)	5620.69151 (90071406)	5713.31332 (92102408)	6232.74020 (91012204)	6709.04748 (90121806)
3606415.9	5899.01393 (90071406)	5813.60147 (90071406)	5762.08266 (90112403)	6255.91880 (91012204)	6844.51895 (91012204)
3606265.9	6113.57626 (90071406)	6049.47103 (90112403)	5967.82255 (90112403)	6180.66660 (92022604)	6942.45279 (91012204)
3606115.9	6374.32684 (90112403)	6265.58710 (90112403)	6143.81781 (92110607)	6075.15585 (92110607)	6807.92625 (92022604)
3605965.9	6607.47400 (92110608)	6472.89751 (92110607)	6362.60834 (92110607)	6197.72373 (92110607)	6636.58406 (90010911)
3605815.9	6845.96221 (92110607)	6689.52434 (92110607)	6480.16097 (90102103)	6286.02181 (90102103)	6475.46614 (90020605)
3605665.9	7060.01196 (92110607)	6810.16924 (90102103)	6560.01973 (91081304)	6518.88855 (91081304)	6445.05645 (91081304)
3605515.9	7183.58326 (90102103)	6975.51683 (91081304)	6874.07698 (91081304)	6732.85060 (91081304)	6576.76837 (91081304)
3605365.9	7440.38986 (91081304)	7269.94311 (91081304)	7058.78916 (91081304)	6902.84191 (90020502)	6837.62225 (90020502)
3605215.9	7706.36789 (91081304)	7442.63585 (90020502)	7326.61759 (90020502)	7195.59965 (90020502)	7066.04472 (90020502)
3605065.9	7983.45694 (90020502)	7796.09672 (90020502)	7689.20989 (90122502)	7522.49854 (91011312)	7319.98618 (92112405)
3604915.9	8305.46626 (90020502)	8252.70382 (90102106)	8121.84557 (90122502)	7899.37039 (91011312)	7938.57008 (92112405)
3604765.9	8678.71390 (91021410)	8941.95869 (91102808)	8751.77909 (90102208)	8559.90022 (92092408)	8694.39097 (92092408)
3604615.9	10002.11977 (92092408)	10062.24199 (92092408)	10144.95156 (92092408)	10245.08579 (92092408)	10359.71349 (92092408)

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3604465.9 | 12062.29383 (92092408) 12070.92980 (92092408) 12085.58627 (92092408) 12104.38779 (92092408) 12127.23116 (92092408)
3604315.9 | 14195.00158 (92092408) 14078.99144 (92092408) 13972.55870 (92092408) 13875.44721 (92092408) 13788.40091 (92092408)
3604165.9 | 16213.93798 (92092408) 16007.08595 (92092408) 15817.99114 (92092408) 15644.86374 (92092408) 15487.32543 (92092408)
3604015.9 | 18625.01183 (92092408) 18370.80591 (92092408) 18119.29736 (92092408) 17874.29096 (92092408) 17642.97353 (92092408)
3603865.9 | 22241.86823 (92092408) 21798.14890 (92092408) 21349.39303 (92092408) 20928.36143 (92092408) 20553.58736 (92092408)
3603715.9 | 27409.64215 (92092408) 26496.95429 (92092408) 25716.05784 (92092408) 25067.33132 (92092408) 24478.91256 (92092408)
3603565.9 | 35265.35797 (92092408) 33926.60651 (92092408) 32743.87441 (92092408) 31416.77866 (92092408) 30195.06210 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 502635.74	502785.74	502935.74	503085.74	503235.74
3606565.9	7117.15412 (90121806)	7364.89200 (90022003)	8121.93760 (90022003)	8959.47957 (92020809)	13267.95096 (90022306)
3606415.9	7515.69643 (90121806)	7868.68420 (90121806)	8780.89790 (90022003)	9992.56684 (92111309)	15913.48122 (90012710)
3606265.9	7628.53757 (90121806)	8534.07353 (90121806)	9287.78150 (90022003)	11400.75354 (90022003)	15612.82897 (90122502)
3606115.9	7836.50293 (91012204)	8921.14850 (90121806)	9998.56836 (90121806)	13026.08946 (90022003)	14214.99038 (91013010)
3605965.9	7642.90878 (92102408)	9079.25550 (91012204)	10879.05120 (90121806)	14144.25337 (90022003)	14428.84584 (91013010)
3605815.9	7367.04842 (90010911)	8853.39192 (92102408)	11030.38843 (91012204)	15285.35511 (90121806)	13619.36755 (92092408)
3605665.9	7061.87019 (90020605)	8372.00078 (90010911)	10836.59539 (91012204)	15910.46101 (90121806)	15254.70193 (92092408)
3605515.9	6659.16303 (90020605)	7815.06204 (90020605)	9888.46877 (90010911)	14849.79097 (91012204)	16362.71327 (90022306)
3605365.9	6779.21887 (90020502)	7137.25096 (90020605)	8834.57098 (90020605)	12575.23483 (90010911)	19228.27747 (90121806)
3605215.9	6957.98645 (90020502)	6935.93878 (91021410)	7670.61422 (90020605)	10319.48581 (90020605)	18822.49917 (91012204)
3605065.9	7334.39816 (91011803)	7260.28042 (91013010)	7230.50466 (91021410)	8237.38685 (90020605)	12792.99455 (90010409)
3604915.9	7769.01992 (91011803)	7737.22356 (92092408)	8038.15413 (92092408)	8498.76336 (92092408)	9349.04147 (92092408)
3604765.9	8862.60415 (92092408)	9069.84738 (92092408)	9330.76702 (92092408)	9681.30116 (92092408)	10217.76022 (92092408)
3604615.9	10488.50033 (92092408)	10634.57272 (92092408)	10806.60436 (92092408)	11023.52130 (92092408)	11326.84829 (92092408)

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 3604465.9 |  12155.71845 (92092408)  12193.42754 (92092408)  12246.68514 (92092408)
12326.18985 (92092408)  12450.51671 (92092408)
 3604315.9 |  13713.04960 (92092408)  13651.97100 (92092408)  13609.06057 (92092408)
13589.83194 (92092408)  13601.98602 (92092408)
 3604165.9 |  15346.40192 (92092408)  15224.55319 (92092408)  15124.66777 (92092408)
15049.06019 (92092408)  14999.19343 (92092408)
 3604015.9 |  17432.85192 (92092408)  17248.94275 (92092408)  17091.52838 (92092408)
16958.39949 (92092408)  16847.17224 (92092408)
 3603865.9 |  20223.86113 (92092408)  19928.62619 (92092408)  19661.55419 (92092408)
19423.29780 (92092408)  19216.84990 (92092408)
 3603715.9 |  23915.71928 (92092408)  23394.30042 (92092408)  22937.77544 (92092408)
22557.41651 (92092408)  22255.13741 (92092408)
 3603565.9 |  29202.75015 (92092408)  28430.96273 (92092408)  27834.06592 (92092408)
27372.75377 (92092408)  27035.66271 (92092408)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 503385.74	503535.74	503685.74	503835.74	503985.74
3606565.9	14600.89473 (90040908)	9164.16313 (92092408)	7299.94882 (92092408)	6447.95570 (91081304)	5961.20955 (91081304)
3606415.9	12497.76709 (92092408)	8715.05216 (92092408)	7177.55501 (92092408)	6370.22973 (91081304)	5946.74221 (91081304)
3606265.9	11107.90550 (92092408)	8317.41993 (92092408)	7013.64688 (92092408)	6350.08813 (90020502)	6022.99585 (90020502)
3606115.9	10042.93455 (92092408)	7940.41219 (92092408)	6930.93098 (90020502)	6480.16005 (90020502)	6160.92298 (90020502)
3605965.9	9748.97742 (92092408)	7879.39462 (92092408)	7053.58957 (90020502)	6618.17019 (90020502)	6308.08999 (90020502)
3605815.9	9746.51800 (92092408)	7938.63950 (92092408)	7207.05203 (90020502)	6782.47008 (90020502)	6478.03735 (90020502)
3605665.9	9977.21594 (92092408)	8171.28642 (92092408)	7412.58254 (90020502)	6985.96413 (90020502)	6684.64503 (90020502)
3605515.9	10694.94462 (92092408)	8671.17168 (92092408)	7694.86862 (91021410)	7261.33235 (91021410)	6953.54135 (91021410)
3605365.9	12066.36367 (92092408)	9535.27283 (92092408)	8382.80721 (92092408)	7716.85365 (92092408)	7286.53684 (91021410)
3605215.9	14686.25770 (92092408)	10930.64241 (92092408)	9492.86048 (92092408)	8729.76835 (92092408)	8262.20781 (92092408)
3605065.9	17730.98874 (90121806)	13273.26060 (92092408)	11162.81646 (92092408)	10173.37913 (92092408)	9603.42702 (92092408)
3604915.9	16918.52975 (90010409)	17699.74691 (92092408)	13701.35144 (92092408)	12150.59984 (92092408)	11319.49501 (92092408)
3604765.9	11280.00288 (92092408)	16397.16228 (90020605)	18073.72976 (92092408)	14806.87170 (92092408)	13358.35287 (92092408)
3604615.9	11820.93516 (92092408)	12871.65660 (92092408)	14744.94232 (92122606)	18250.73230 (92092408)	15615.15878 (92092408)

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3604465.9 | 12654.43740 (92092408) 13010.33230 (92092408) 13699.50645 (92092408) 13971.98979 (92092408) 20616.02042 (92092408)
3604315.9 | 13656.83373 (92092408) 13773.44517 (92092408) 13996.52564 (92092408) 14477.33777 (92092408) 15910.01820 (92092408)
3604165.9 | 14976.50871 (92092408) 14984.89640 (92092408) 15037.17471 (92092408) 15171.47904 (92092408) 15497.97711 (92092408)
3604015.9 | 16755.58337 (92092408) 16681.57863 (92092408) 16625.51981 (92092408) 16597.01664 (92092408) 16627.67725 (92092408)
3603865.9 | 19041.91186 (92092408) 18890.26082 (92092408) 18747.07740 (92092408) 18603.56532 (92092408) 18470.39642 (92092408)
3603715.9 | 22027.61468 (92092408) 21854.72895 (92092408) 21682.44246 (92092408) 21473.08392 (92092408) 21269.51750 (92092408)
3603565.9 | 26860.11609 (92092408) 26901.55903 (92092408) 26942.83423 (92092408) 27081.62685 (92092408) 27673.51612 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504135.74	504285.74	504435.74	504585.74	504735.74
3606565.9	5619.49698 (91081304)	5361.29032 (91081304)	5158.30814 (90020502)	5025.63548 (90020502)	4915.12286 (90020502)
3606415.9	5644.16447 (90020502)	5447.15783 (90020502)	5288.85460 (90020502)	5157.65988 (90020502)	5046.79268 (90020502)
3606265.9	5777.80457 (90020502)	5584.40183 (90020502)	5426.78025 (90020502)	5295.49339 (90020502)	5184.43447 (90020502)
3606115.9	5919.32396 (90020502)	5728.03720 (90020502)	5572.09374 (90020502)	5442.40865 (90020502)	5332.60843 (90020502)
3605965.9	6071.84270 (90020502)	5884.67654 (90020502)	5732.49491 (90020502)	5605.87074 (90020502)	5497.34608 (90020502)
3605815.9	6247.09962 (90020502)	6065.28582 (90020502)	5917.57276 (90020502)	5792.92754 (90020502)	5681.90069 (90020502)
3605665.9	6458.64681 (90020502)	6281.30416 (90020502)	6135.07173 (90020502)	6006.09957 (90020502)	5892.99941 (91021410)
3605515.9	6720.28015 (91021410)	6541.16941 (90020502)	6386.34880 (90020502)	6259.29171 (91021410)	6145.70949 (91021410)
3605365.9	7041.74061 (90020502)	6848.35481 (91021410)	6690.04619 (91021410)	6548.58570 (91021410)	6423.23437 (92092408)
3605215.9	7953.12019 (92092408)	7738.77927 (92092408)	7584.83606 (92092408)	7470.75063 (92092408)	7383.41134 (92092408)
3605065.9	9235.53849 (92092408)	8977.51365 (92092408)	8782.60896 (92092408)	8625.26967 (92092408)	8491.93226 (92092408)
3604915.9	10789.61111 (92092408)	10402.50760 (92092408)	10095.42230 (92092408)	9841.29500 (92092408)	9623.81065 (92092408)
3604765.9	12448.62105 (92092408)	11833.81662 (92092408)	11379.64798 (92092408)	11015.61593 (92092408)	10706.59199 (92092408)
3604615.9	14250.54392 (92092408)	13375.17702 (92092408)	12736.21471 (92092408)	12230.04310 (92092408)	11807.21203 (92092408)

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3604465.9 | 17248.60878 (92092408) 15476.06582 (92092408) 14402.98409 (92092408) 13640.72999 (92092408) 13047.24892 (92092408)
3604315.9 | 20479.73462 (92092408) 18917.60991 (92092408) 16721.22487 (92092408) 15450.73162 (92092408) 14567.44550 (92092408)
3604165.9 | 16433.85346 (92092408) 16546.89421 (92092408) 20910.56901 (92092408) 18058.39996 (92092408) 16520.69228 (92092408)
3604015.9 | 16802.58375 (92092408) 17406.05188 (92092408) 17420.89583 (92092408) 22405.49032 (92092408) 19078.38784 (92092408)
3603865.9 | 18387.68086 (92092408) 18459.05105 (92092408) 19003.61330 (92092408) 20724.93905 (90022003) 23052.21745 (92092408)
3603715.9 | 21185.91594 (92092408) 21303.95834 (92092408) 21711.56877 (92092408) 22890.23617 (92092408) 22791.89321 (92092408)
3603565.9 | 28403.87540 (92092408) 29049.77010 (92092408) 29657.27910 (92092408) 30456.04945 (92092408) 30809.34236 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART6 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504885.74
3606565.9	4820.86563 (90020502)
3606415.9	4951.78187 (90020502)
3606265.9	5089.08657 (90020502)
3606115.9	5237.39291 (90020502)
3605965.9	5400.14386 (90020502)
3605815.9	5575.97271 (90020502)
3605665.9	5799.64028 (91021410)
3605515.9	6037.96161 (91021410)
3605365.9	6363.90909 (92092408)
3605215.9	7314.28476 (92092408)
3605065.9	8375.18778 (92092408)
3604915.9	9432.01400 (92092408)
3604765.9	10434.36075 (92092408)
3604615.9	11441.70595 (92092408)
3604465.9	12558.70056 (92092408)
3604315.9	13888.43230 (92092408)
3604165.9	15495.32058 (92092408)
3604015.9	17467.31191 (92092408)
3603865.9	20282.39222 (92092408)
3603715.9	25072.06943 (92092408)
3603565.9	33628.43184 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.59	505013.59	505163.59	505313.59	505463.59
3603584.0	32974.56979 (92092408)	29880.56542 (92092408)	28172.48010 (92092408)	26414.53571 (92092408)	24533.82459 (92092408)
3603434.0	51219.97340 (92092408)	40905.04029 (92092408)	33034.75065 (92092408)	27973.90346 (92092408)	24468.17584 (92092408)
3603284.0	29266.05238 (92092408)	31996.60610 (92092408)	27644.49544 (92092408)	23592.86692 (92092408)	20856.10908 (92092408)
3603134.0	25033.06900 (92092408)	24325.01810 (92092408)	27450.33158 (92092408)	21486.52183 (92092408)	19055.76243 (91022509)
3602984.0	26927.92287 (92092408)	23362.94944 (90101005)	21413.48591 (91022509)	22119.04601 (91022509)	19837.26117 (91022509)
3602834.0	25228.10521 (91021909)	31045.83365 (91021909)	25696.12422 (91021909)	25095.63614 (91021909)	21850.62022 (91021909)
3602684.0	20918.58775 (90010410)	30004.89931 (90012904)	34991.56058 (90022003)	26436.73869 (90010410)	22515.08005 (90010410)
3602534.0	19186.10659 (90091205)	21640.05325 (90121805)	40988.96521 (90012310)	34949.01327 (90010410)	25555.87747 (90010410)
3602384.0	17497.54923 (90110504)	18031.42677 (91012307)	25051.28886 (90121706)	39378.73376 (90010409)	33092.14169 (90110504)
3602234.0	15499.04144 (91110506)	16758.37176 (91013103)	21098.08371 (90012807)	30044.42649 (90012807)	43188.14917 (91012204)
3602084.0	14356.38903 (91011103)	16966.61942 (91011103)	20950.66267 (91011103)	27632.96584 (91030303)	41578.11778 (91030303)
3601934.0	15312.56571 (90021006)	18429.78439 (92100506)	23728.77941 (92122207)	33275.44097 (92122207)	59795.89740 (91031608)
3601784.0	18859.77803 (92122207)	25261.68353 (92122207)	41107.84278 (90020607)	65269.30161 (90022203)	44818.29745 (92092408)
3601634.0	22578.01243 (90012806)	33067.01765 (90022203)	40040.26611 (92103107)	30956.47590 (92110709)	25447.10021 (91121305)

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 3601484.0 |  20352.37788 (90092306)  23166.37538 (92103107)  22291.31642 (92110709)
20141.25562 (91121305)  18970.99672 (91121207)
 3601334.0 |  16237.20721 (92103107)  16998.57611 (90110206)  16438.34599 (92011308)
15605.99083 (90010603)  15858.33965 (90110405)
 3601184.0 |  13507.21934 (90091203)  13530.75544 (92011308)  13397.10384 (91121305)
13122.32472 (90110405)  13901.05766 (90120604)
 3601034.0 |  11317.25501 (92110709)  11631.04583 (91121305)  11481.71107 (90010603)
11617.13096 (90110405)  12270.89127 (90110406)
 3600884.0 |   9987.11017 (92011308)  10098.69182 (91121305)  10149.03267 (90110405)
10445.15664 (90120604)  11022.17937 (92112604)
 3600734.0 |   9037.35511 (91121305)   9071.00125 (90010603)   9268.98515 (90110405)
9398.36773 (90012504)   9888.67070 (90120306)
 3600584.0 |   8038.50344 (91121305)   8219.23995 (91121207)   8473.27419 (90120604)
8665.65722 (90110406)   8956.07771 (90031506)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 505613.59	505763.59	505913.59	506063.59	506213.59
3603584.0	22708.76690 (92092408)	21024.70725 (92092408)	19496.51284 (92092408)	18111.40950 (92092408)	16849.94479 (92092408)
3603434.0	21843.27130 (92092408)	19749.21520 (92092408)	17997.45041 (92092408)	16483.81328 (92092408)	15148.33441 (92092408)
3603284.0	18716.62004 (92092408)	17170.50775 (90101005)	16103.20550 (90101005)	15191.81533 (90101005)	14395.10128 (90101005)
3603134.0	17848.35437 (91022509)	16837.38526 (90101005)	15961.32821 (90101005)	15164.76269 (90101005)	14434.03066 (90101005)
3602984.0	18387.51737 (91022509)	17271.62577 (91022509)	16330.31879 (91022509)	15496.81326 (91022509)	14741.19517 (91022509)
3602834.0	19824.62576 (91021909)	18335.32927 (91021909)	17142.83055 (91021909)	16133.42662 (91021909)	15250.61076 (91021909)
3602684.0	20262.72072 (91021909)	18775.71555 (91021909)	17557.27508 (91021909)	16494.21138 (91021909)	16400.89053 (90010510)
3602534.0	22126.23040 (90010410)	20100.13501 (90010410)	20292.60067 (91011803)	21169.58856 (90040908)	20803.23576 (90112403)
3602384.0	25374.88722 (90100408)	25177.86662 (90122502)	28129.95990 (90012509)	31254.12887 (90071406)	27695.28546 (91081304)
3602234.0	36080.55532 (90022306)	38187.67547 (92122401)	59029.96724 (90071406)	58113.23610 (91012511)	40575.23203 (92092408)
3602084.0	52201.97689 (90011110)	67637.16508 (91081304)	75396.07574 (92092408)	47911.62461 (91110506)	36622.84036 (90110504)
3601934.0	74200.38812 (92092408)	57869.01086 (92092408)	36740.10182 (90010509)	31171.44454 (92070904)	27818.98524 (92070904)
3601784.0	36503.27439 (90010603)	48074.57785 (90030707)	30958.46421 (90123106)	24557.90797 (92013009)	22548.25399 (92013009)
3601634.0	27148.44156 (90120604)	42416.65415 (92012205)	28665.84462 (92012206)	22302.04902 (90123106)	19540.68656 (92013009)

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 3601484.0 |  23497.40614 (90120604)  36856.86339 (92012307)  25794.66161 (90010803)
20789.93694 (90120307)  17694.68382 (90123106)
 3601334.0 |  20346.99158 (90110406)  29399.41977 (90031508)  23097.10949 (92011404)
19300.30665 (92122606)  16683.24434 (92011304)
 3601184.0 |  16713.16540 (90120306)  19600.79318 (91021003)  19965.83547 (92012205)
17701.16834 (90010803)  15666.48826 (90010908)
 3601034.0 |  13846.92078 (90031506)  15240.54080 (90121007)  16363.78299 (92012307)
15925.24354 (91013007)  14653.49636 (90030707)
 3600884.0 |  11832.24382 (90012605)  12715.47896 (90121007)  13607.76821 (90101004)
14018.16632 (92011305)  13438.50849 (92011404)
 3600734.0 |  10436.51990 (92122605)  11021.02954 (90121007)  11669.12867 (90070507)
12273.89983 (90010407)  12221.85781 (91013007)
 3600584.0 |   9350.25729 (92122605)   9784.01309 (90121007)  10275.14990 (92100803)
10841.29159 (92012307)  11031.26173 (92011305)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506363.59	506513.59	506663.59	506813.59	506963.59
3603584.0	15694.11156 (92092408)	14628.80537 (92092408)	13645.27895 (92092408)	12735.98147 (92092408)	11895.77789 (92092408)
3603434.0	13955.04615 (92092408)	12880.85196 (92092408)	11914.52703 (92010408)	11433.60294 (92010408)	10992.90202 (92010408)
3603284.0	13685.76217 (90101005)	13047.84584 (90101005)	12468.60735 (90101005)	11940.37147 (90101005)	11456.28951 (90101005)
3603134.0	13761.20870 (90101005)	13141.61427 (90101005)	12568.59078 (90101005)	12039.20895 (90101005)	11550.19662 (90101005)
3602984.0	14049.65890 (91022509)	13414.51191 (91022509)	12827.36608 (91022509)	12284.92926 (91022509)	11783.39606 (91022509)
3602834.0	14465.82099 (91021909)	13761.70850 (91021909)	13122.78958 (91021909)	12538.14054 (91021909)	12000.57777 (91021909)
3602684.0	15432.81774 (90112403)	13995.65563 (91021909)	13351.19965 (91021909)	12772.78800 (91021909)	12249.58279 (91021909)
3602534.0	17947.08608 (90022509)	15409.14629 (90071308)	13271.90657 (90010410)	12601.45811 (90010410)	12003.24572 (90010410)
3602384.0	21618.38002 (91012511)	16911.31833 (90120610)	15873.32345 (92092408)	15058.71532 (92092408)	13974.45968 (92092408)
3602234.0	31220.98844 (92092408)	24759.79857 (92092408)	20284.61030 (92092408)	17025.43364 (92092408)	14548.91531 (92092408)
3602084.0	27827.13515 (90110504)	22809.70296 (90100408)	19684.83918 (90100408)	17599.67056 (90091205)	16082.75773 (90091205)
3601934.0	25520.62279 (92070904)	23236.25988 (91110506)	21127.10527 (91110506)	19164.25932 (91110506)	17602.50106 (90110504)
3601784.0	21193.98024 (92013009)	20147.88368 (92070904)	19205.03769 (92070904)	18120.43709 (92070904)	16938.27668 (91110506)
3601634.0	18362.22330 (92013009)	17569.76903 (92013009)	16960.14999 (92013009)	16363.71206 (92013009)	15778.01325 (92070904)

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 3601484.0 |  16199.83206 (90010509)  15563.16607 (90021108)  15094.50130 (90021108)
14719.37099 (90021108)  14377.62839 (92013009)
 3601334.0 |  14809.31050 (90123106)  13619.42717 (90010509)  13391.45845 (90010509)
13174.45975 (90010509)  12970.71149 (90010509)
 3601184.0 |  14086.39646 (92011304)  12809.13788 (90123106)  11768.92704 (92012303)
11592.29096 (92122602)  11519.99720 (92122602)
 3601034.0 |  13375.01298 (92012206)  12242.57820 (91021906)  11326.23938 (90123106)
10513.49078 (92012303)  10202.74241 (90122610)
 3600884.0 |  12605.63397 (92122606)  11665.10717 (92012206)  10850.94440 (91021906)
10147.28128 (90123106)   9508.53224 (92012303)
 3600734.0 |  11695.91009 (90010803)  11057.77482 (90010908)  10347.75499 (90120307)
9728.19771 (90010305)   9178.79849 (90123106)
 3600584.0 |  10837.76881 (92011404)  10390.43292 (90030707)   9829.09816 (92012206)
9308.53020 (90120307)   8811.45483 (90010305)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507113.59	507263.59	507413.59	507563.59	507713.59
3603584.0	11119.78872 (92092408)	10403.72787 (92092408)	9743.64808 (92092408)	9135.86390 (92092408)	8856.57043 (91012507)
3603434.0	10586.73183 (92010408)	10210.54173 (92010408)	9860.62856 (92010408)	9533.93509 (92010408)	9227.90733 (92010408)
3603284.0	11010.71175 (90101005)	10598.92060 (90101005)	10216.93920 (90101005)	9861.40758 (90101005)	9529.47113 (90101005)
3603134.0	11097.45996 (90101005)	10677.39227 (90101005)	10286.69453 (90101005)	9922.42216 (90101005)	9582.02116 (90101005)
3602984.0	11318.35646 (91022509)	10885.95057 (91022509)	10482.96342 (91022509)	10106.49625 (91022509)	9754.05184 (91022509)
3602834.0	11503.58537 (91021909)	11041.75382 (91021909)	10610.94311 (91021909)	10207.96109 (91021909)	9843.64255 (91022509)
3602684.0	11772.38574 (91021909)	11333.77087 (91021909)	10927.72304 (91021909)	10549.57651 (91021909)	10195.51468 (91021909)
3602534.0	11574.46579 (91021909)	11202.19124 (91021909)	10858.32645 (91021909)	10536.50829 (91021909)	10232.75118 (91021909)
3602384.0	12832.68743 (92092408)	11725.41630 (92092408)	11221.48248 (90010410)	10800.35821 (90010410)	10401.75857 (90010410)
3602234.0	13226.06437 (90010410)	12637.22641 (90010410)	12106.76974 (90010410)	11621.20691 (90010410)	11174.05401 (90010410)
3602084.0	14912.74949 (90091205)	13969.24912 (90091205)	13178.10491 (90091205)	12495.70935 (90091205)	11897.47206 (90091205)
3601934.0	16260.99784 (90110504)	15108.77372 (90110504)	14110.24770 (90110504)	13294.95604 (90100408)	12595.78801 (90100408)
3601784.0	16121.39440 (91110506)	15283.90816 (91110506)	14460.06313 (91110506)	13673.90784 (91110506)	12993.95398 (90110504)
3601634.0	15233.53222 (92070904)	14593.22707 (92070904)	13886.48198 (92070904)	13149.92566 (92070904)	12700.28648 (91110506)

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 3601484.0 |  14010.60714 (92013009)  13555.82703 (92013009)  13085.81009 (92070904)
12737.88731 (92070904)  12329.84685 (92070904)
 3601334.0 |  12755.85457 (90010509)  12527.16088 (90021108)  12257.52756 (92013009)
11968.91189 (92013009)  11610.24900 (92013009)
 3601184.0 |  11448.32797 (90010509)  11383.80853 (90010509)  11272.96412 (90010509)
11105.78141 (90010509)  10916.43522 (90021108)
 3601034.0 |  10230.26902 (92122602)  10242.11451 (92122602)  10206.88748 (92122602)
10125.74913 (90010509)  10087.52611 (90010509)
 3600884.0 |   9238.03277 (90122610)   9172.60708 (90120106)   9210.89009 (92122602)
9252.93188 (92122602)   9245.45039 (92122602)
 3600734.0 |   8660.41377 (92012303)   8428.22681 (90032105)   8333.17053 (90101006)
8360.55921 (90120106)   8413.69536 (92122602)
 3600584.0 |   8370.58416 (90123106)   7945.00381 (91013011)   7759.48646 (90032105)
7676.23879 (90122610)   7671.54191 (90120106)
```


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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART7 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 507863.59	
3603584.0	8591.85928	(91012507)
3603434.0	8940.39129	(92010408)
3603284.0	9218.69616	(90101005)
3603134.0	9263.29154	(90101005)
3602984.0	9423.46440	(91022509)
3602834.0	9532.09918	(91022509)
3602684.0	9862.43438	(91021909)
3602534.0	9944.12075	(91021909)
3602384.0	10023.43659	(90010410)
3602234.0	10758.83573	(90010410)
3602084.0	11394.19503	(90010410)
3601934.0	11972.26922	(90100408)
3601784.0	12395.35556	(90110504)
3601634.0	12254.90386	(91110506)
3601484.0	11876.30588	(92070904)
3601334.0	11189.54646	(92013009)
3601184.0	10690.62958	(92013009)
3601034.0	9991.08698	(90010509)
3600884.0	9182.45711	(92122602)
3600734.0	8461.97271	(92122602)
3600584.0	7694.38535	(90120404)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504863.98	505013.98	505163.98	505313.98	505463.98
3606564.5	4835.02769 (90020502)	4750.17865 (90020502)	4673.94621 (90020502)	4604.75736 (90020502)	4540.51107 (90020502)
3606414.5	4966.02702 (90020502)	4880.66261 (90020502)	4803.00361 (90020502)	4731.33959 (90020502)	4662.94378 (90020502)
3606264.5	5103.49087 (90020502)	5018.19131 (90020502)	4938.79685 (90020502)	4862.89973 (90020502)	4787.27145 (90020502)
3606114.5	5252.01866 (90020502)	5165.24451 (90020502)	5082.24676 (90020502)	4997.76306 (90020502)	4909.72532 (91021410)
3605964.5	5415.47162 (90020502)	5322.74734 (90020502)	5229.97281 (90020502)	5156.71512 (91021410)	5091.99359 (91021410)
3605814.5	5593.10290 (90020502)	5504.33480 (91021410)	5426.43118 (91021410)	5349.90013 (91021410)	5272.03721 (91021410)
3605664.5	5815.03600 (91021410)	5724.63449 (91021410)	5633.66759 (91021410)	5540.77686 (91021410)	5444.19054 (91021410)
3605514.5	6055.85000 (91021410)	5948.76767 (91021410)	5837.61791 (91021410)	5740.58693 (90120610)	5656.18806 (90120610)
3605364.5	6379.92156 (92092408)	6333.28762 (92092408)	6298.10608 (92092408)	6271.65193 (92092408)	6251.34191 (92092408)
3605214.5	7333.52616 (92092408)	7273.84991 (92092408)	7220.68988 (92092408)	7172.14982 (92092408)	7126.53837 (92092408)
3605064.5	8401.92685 (92092408)	8294.73581 (92092408)	8194.75595 (92092408)	8099.32382 (92092408)	8007.28261 (92092408)
3604914.5	9468.73262 (92092408)	9292.30851 (92092408)	9129.47173 (92092408)	8975.87064 (92092408)	8829.59031 (92092408)
3604764.5	10481.81161 (92092408)	10232.19712 (92092408)	10004.17765 (92092408)	9793.06652 (92092408)	9595.78753 (92092408)
3604614.5	11502.19693 (92092408)	11172.79582 (92092408)	10877.84284 (92092408)	10610.57779 (92092408)	10366.10650 (92092408)

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3604464.5 | 12636.57114 (92092408) 12209.53292 (92092408) 11837.41419 (92092408) 11507.84846 (92092408) 11213.15582 (92092408)
3604314.5 | 13992.47203 (92092408) 13422.95785 (92092408) 12946.28448 (92092408) 12539.75012 (92092408) 12190.10590 (92092408)
3604164.5 | 15641.73255 (92092408) 14851.70834 (92092408) 14243.22038 (92092408) 13760.80647 (92092408) 13373.73012 (92092408)
3604014.5 | 17674.64998 (92092408) 16608.01888 (92092408) 15885.84658 (92092408) 15372.86081 (92092408) 14999.84709 (92092408)
3603864.5 | 20583.81733 (92092408) 19179.36824 (92092408) 18382.07064 (92092408) 17879.32780 (92092408) 17535.87854 (92092408)
3603714.5 | 25544.28369 (92092408) 23553.42038 (92092408) 22568.02655 (92092408) 21919.61261 (92092408) 21302.96215 (92092408)
3603564.5 | 34454.26902 (92092408) 31119.81599 (92092408) 29126.24917 (92092408) 26993.76132 (92092408) 24826.90794 (92092408)

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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 505613.98	505763.98	505913.98	506063.98	506213.98
3606564.5	4479.03565 (90020502)	4418.02899 (90020502)	4355.32444 (90020502)	4289.19287 (90020502)	4218.72195 (90020502)
3606414.5	4595.05285 (90020502)	4525.06550 (90020502)	4451.05132 (90020502)	4391.54211 (91021410)	4351.19134 (91021410)
3606264.5	4708.92895 (90020502)	4635.33977 (91021410)	4588.85248 (91021410)	4540.52139 (91021410)	4489.15642 (91021410)
3606114.5	4855.01654 (91021410)	4799.68897 (91021410)	4742.10921 (91021410)	4681.03432 (91021410)	4615.79024 (91021410)
3605964.5	5026.36734 (91021410)	4958.01084 (91021410)	4885.69823 (91021410)	4809.03433 (91021410)	4733.30233 (90120610)
3605814.5	5190.90812 (91021410)	5105.46349 (91021410)	5025.79515 (90120610)	4967.34439 (90120610)	4905.87784 (90120610)
3605664.5	5357.87539 (90120610)	5288.27483 (90120610)	5216.11299 (90120610)	5141.16365 (90120610)	5064.06308 (90120610)
3605514.5	5570.35197 (90120610)	5482.35472 (90120610)	5453.59463 (92092408)	5456.27890 (92092408)	5460.77605 (92092408)
3605364.5	6235.15374 (92092408)	6221.38637 (92092408)	6208.66754 (92092408)	6195.89429 (92092408)	6182.19415 (92092408)
3605214.5	7082.31873 (92092408)	7038.46458 (92092408)	6994.11327 (92092408)	6948.65310 (92092408)	6901.68820 (92092408)
3605064.5	7917.46774 (92092408)	7829.03370 (92092408)	7741.56980 (92092408)	7654.76572 (92092408)	7568.49842 (92092408)
3604914.5	8689.31057 (92092408)	8554.23795 (92092408)	8423.82802 (92092408)	8297.89313 (92092408)	8176.28464 (92092408)
3604764.5	9410.16315 (92092408)	9234.88333 (92092408)	9069.09147 (92092408)	8912.30336 (92092408)	8764.30277 (92092408)
3604614.5	10140.81110 (92092408)	9932.13664 (92092408)	9738.54287 (92092408)	9559.17651 (92092408)	9393.66306 (92092408)

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 3604464.5 |  10948.32817 (92092408)  10709.76780 (92092408)  10494.87906 (92092408)
10301.68610 (92092408)  10128.77495 (92092408)
 3604314.5 |  11888.78252 (92092408)  11629.59731 (92092408)  11407.36172 (92092408)
11217.14548 (92092408)  11053.65612 (92092408)
 3604164.5 |  13062.35590 (92092408)  12812.24027 (92092408)  12610.87914 (92092408)
12445.52259 (92092408)  12302.46184 (92092408)
 3604014.5 |  14724.34411 (92092408)  14513.10988 (92092408)  14335.59313 (92092408)
14165.06702 (92092408)  13981.43188 (92092408)
 3603864.5 |  17260.50887 (92092408)  16983.26385 (92092408)  16662.85390 (92092408)
16285.00703 (92092408)  15851.82619 (92092408)
 3603714.5 |  20586.96045 (92092408)  19767.16854 (92092408)  18882.73084 (92092408)
17972.78767 (92092408)  17064.03589 (92092408)
 3603564.5 |  22818.75876 (92092408)  21021.81594 (92092408)  19422.97919 (92092408)
17992.14252 (92092408)  16700.12547 (92092408)
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**MODELOPTs: RegDFAULT CONC ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 , L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , L0002925 , L0002926 , L0002927 , L0002928 , L0002929 , L0002930 , L0002931 , L0002932 , L0002933 , L0002934 , L0002935 , L0002936 , L0002937 , L0002938 , L0002939 , . . . ,

*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506363.98	506513.98	506663.98	506813.98	506963.98
3606564.5	4172.64677 (91021410)	4137.00656 (91021410)	4098.38463 (91021410)	4056.20318 (91021410)	4010.32036 (91021410)
3606414.5	4308.26071 (91021410)	4261.89744 (91021410)	4211.66114 (91021410)	4157.70716 (91021410)	4100.99132 (91021410)
3606264.5	4433.95718 (91021410)	4374.70449 (91021410)	4312.00707 (91021410)	4247.53847 (91021410)	4202.26770 (90120610)
3606114.5	4546.53485 (91021410)	4474.57102 (91021410)	4430.29524 (90120610)	4384.77799 (90120610)	4336.71194 (90120610)
3605964.5	4683.63684 (90120610)	4630.86792 (90120610)	4575.30750 (90120610)	4517.98124 (90120610)	4481.47934 (90020502)
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*** NETWORK ID: UCART8 ; NETWORK TYPE: GRIDCART ***

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
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 *** AERMOD - VERSION  12060 ***   *** L:\DRAFT\3957-1\Air\HRA\AERMOD\Otay Mesa
Existing\Otay Mesa Existing ***        10/17/12
                                  ***
***        14:14:53

PAGE 154
 **MODELOPTs:  RegDFAULT CONC                                              ELEV


                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED
OVER   3 YEARS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS    9328.84166 AT (  498321.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS    8321.89143 AT (  498621.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS    8040.82241 AT (  501904.52,  3602834.79,     0.00,
0.00,    0.00)  GC  UCART3
          4TH HIGHEST VALUE IS    7859.73261 AT (  505613.59,  3601933.99,     0.00,
0.00,    0.00)  GC  UCART7
          5TH HIGHEST VALUE IS    7812.88206 AT (  498621.32,  3603134.90,     0.00,
0.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS    7521.10027 AT (  501887.15,  3602835.14,     0.00,
0.00,    0.00)  GC  UCART5
          7TH HIGHEST VALUE IS    7494.62115 AT (  498471.32,  3603284.90,     0.00,
0.00,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS    6876.82198 AT (  505913.59,  3602083.99,     0.00,
0.00,    0.00)  GC  UCART7
          9TH HIGHEST VALUE IS    6849.07784 AT (  503537.15,  3602835.14,     0.00,
0.00,    0.00)  GC  UCART5
         10TH HIGHEST VALUE IS    6698.85435 AT (  500854.52,  3602984.79,     0.00,
0.00,    0.00)  GC  UCART3


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```


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*** 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
ALL HIGH 1ST HIGH VALUE IS	114281.79103	ON 92092408:	AT (498621.32, 3603284.90, 0.00, 0.00, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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**MODELOPTs: RegDFAULT CONC ELEV

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 12293 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 1462 Calm Hours Identified

A Total of 10831 Missing Hours Identified (41.18 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
Data May Not Be Acceptable for Regulatory Applications.
See Section 5.3.2 of "Meteorological Monitoring Guidance
for Regulatory Modeling Applications" (EPA-454/R-99-005).

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
*** NONE ***

****
*** AERMOD Finishes Successfully ***
****

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APPENDIX D

Biological Resources Report

RECON

Biological Resources Report for the Otay Mesa Community Plan Update, City of San Diego Project No. 30330/304032 SCH No. 2004651076

Prepared for
City of San Diego
Development Services Department
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San Diego, CA 92101
Contact: Theresa Millette

Prepared by
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RECON Number 3957-1
September 5, 2013

Cailin O'Meara, Biologist

Gerry Scheid, Senior Biologist

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ATTACHMENTS

1: Otay Mesa Community Plan Area on City 800' Map
2: Literature Review

Acronyms

ADD	Assistant Deputy Director
AMSL	above mean sea level
CCC	California Coastal Commission
CDFW	California Department of Fish and Wildlife (formerly California Department of Fish and Game)
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CNDDB	California Natural Diversity Data Base
CNPS	California Native Plant Society
CPU	Community Plan Update
EAS	Environmental Analysis Section
ESL	Environmentally Sensitive Lands
FESA	Federal Endangered Species Act
HCP	Habitat Conservation Plan
I-805	Interstate 805
IA	Implementing Agreement
ITP	Incidental Take Permit
PEIR	Program Environmental Impact Report
MBTA	Migratory Bird Treaty Act
MHPA	Multiple Habitat Planning Area
MMC	Mitigation Monitoring Coordination
MMRP	Mitigation Monitoring and Reporting Program
MSCP	Multiple Species Conservation Program
OHWM	Ordinary High Water Mark
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SanGIS	San Diego Geographic Information Source
SR-905	State Route 905
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service

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1.0 Introduction

The Otay Mesa Community Plan Update (CPU) area encompasses approximately 9,300 acres in the city of San Diego, southwest San Diego County (Figures 1 and 2). The area is bounded by the Otay River Valley and the city of Chula Vista to the north, the United States–Mexico border to the south, Interstate 805 (I-805) to the west, and unincorporated San Diego County to the east (Figure 3 and Attachment 1). The proposed plan designates 2,528 acres as Industrial; 1,125 as Institutional; 802 acres as Residential; 560 acres as "Village Areas" (including residential and commercial mixed-use) 2,833 acres as Open Space; 154 acres as Parks; 299 acres as Commercial, and 1,023 acres as right-of-way.

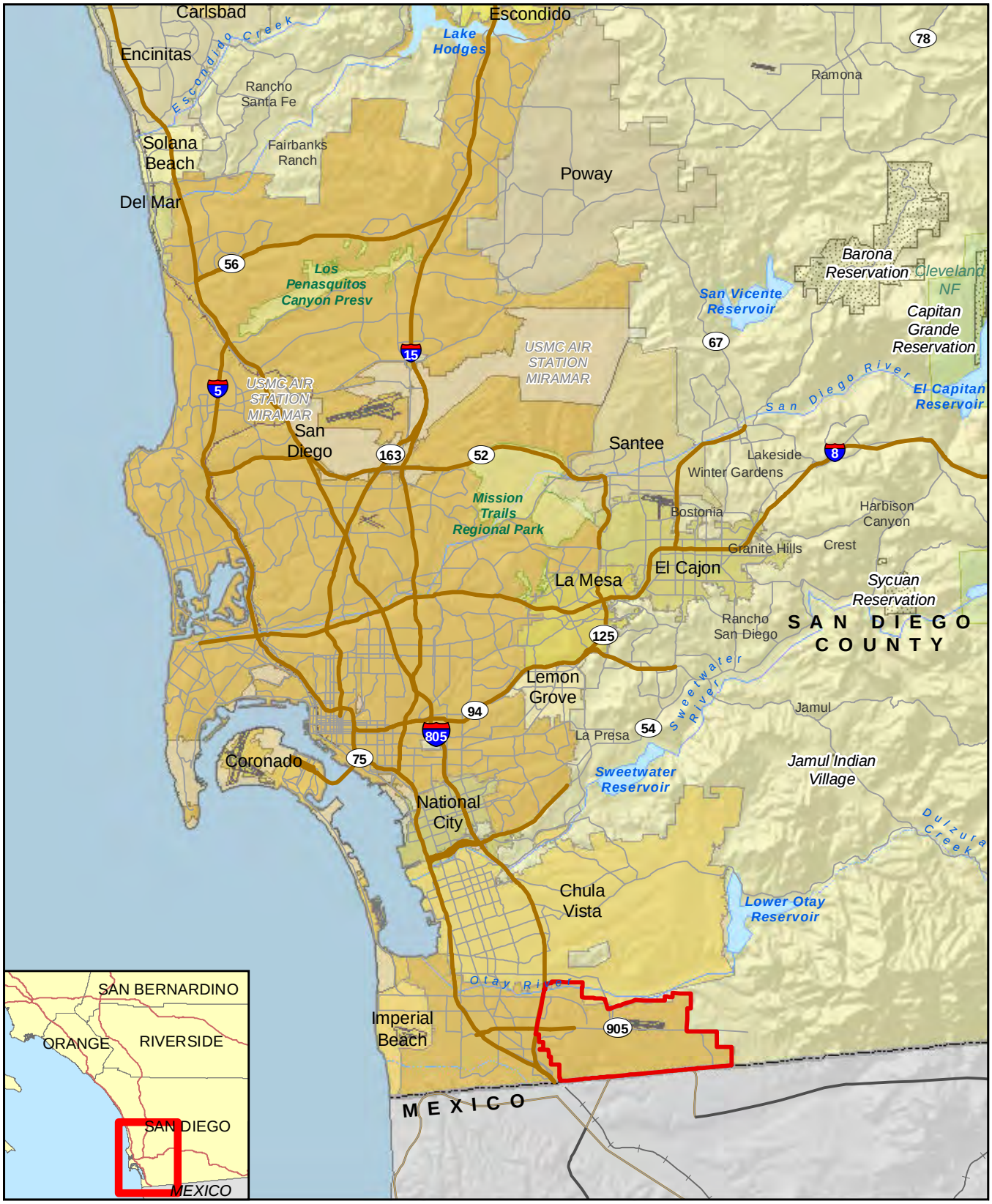
The City of San Diego (City) is proceeding with the first comprehensive update of the Otay Mesa Community Plan since 1981. The intent of the update is to establish a framework for future development on Otay Mesa. The update includes modifications to the various elements of the plan to reflect land use. The CPU strives to enhance and create villages, activity centers, and industrial/employment centers that are planned along major transportation corridors, while supporting international trade functions of the Otay Mesa Port of Entry, taking into consideration surrounding regional and bi-national planning activities and trends affecting the CPU. Major land use revisions focus on re-designating land uses to increase the number of allowed residential units, while achieving a more balanced community through integration of housing and appropriate employment lands. New land use designations are proposed to allow the establishment of technology centers along with mixed commercial and residential village areas. Modified industrial land use designations are also included to facilitate the diversification of the industry profile in the CPU.

A comparison of land use categories for the No Project/Adopted Community Plan Alternative with the proposed CPU is presented in Table 1.

TABLE 1
CPU PROJECTED BUILDOUT

Land Use Categories	Adopted Community Plan (No Project Alternative)* (acres)	Proposed CPU (acres)
Residential	1,269	802
Commercial	452	299
Village Centers	0	560
Industrial	2,839	2,528
Institutional	1,027	1,125
Parks	64	154
Open Space	2,570	2,833
Right-of-Way	1,098	1,023
TOTAL	9,319	9,325

*SOURCE: Otay Mesa Draft Community Plan, April 2011.



Otay Mesa Community Plan Boundary

FIGURE 1

Regional Location of
Otay Mesa Community Plan Area

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Map Source: USGS 7.5 minute topographic map series, OTAY MESA & IMPERIAL BEACH quadrangles

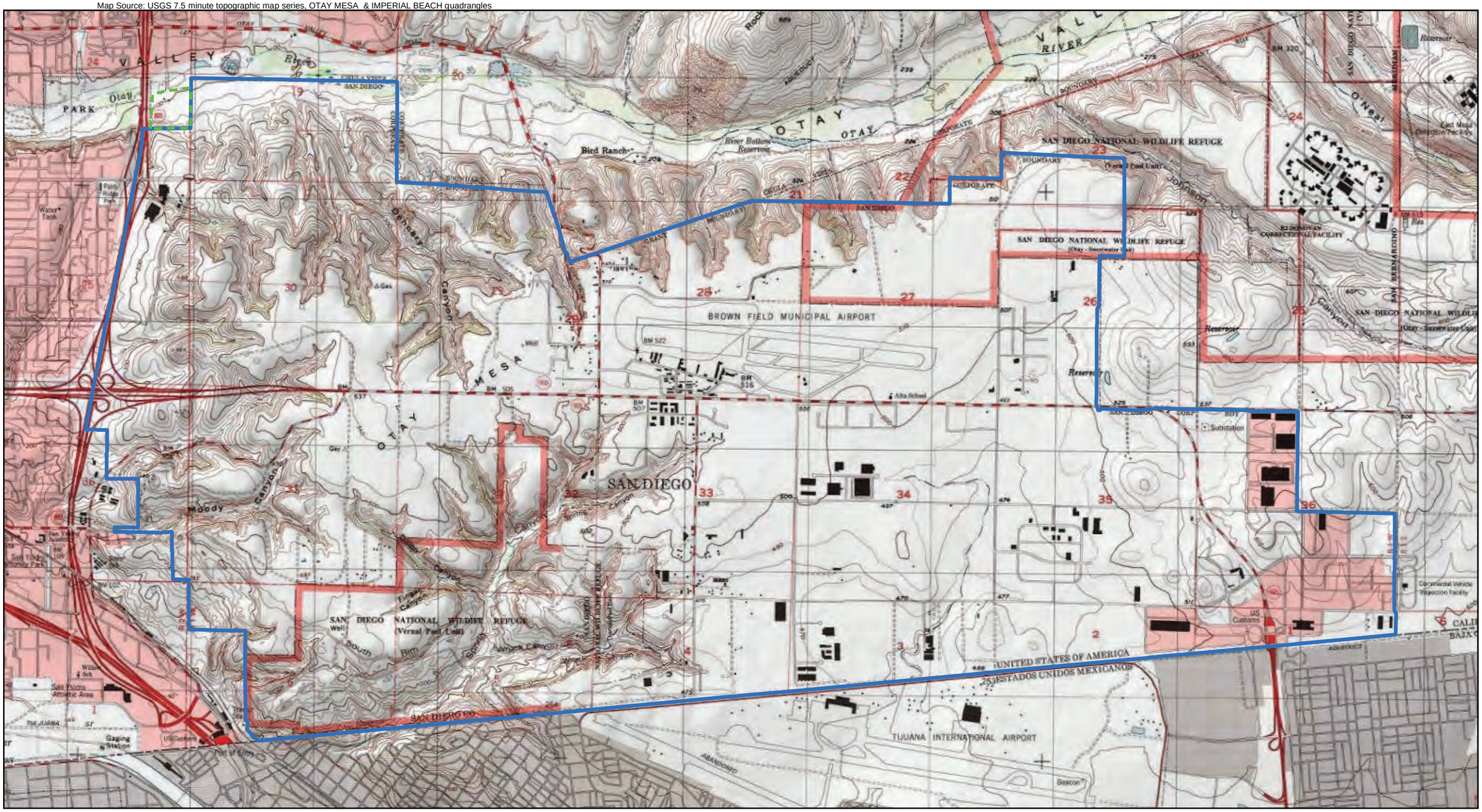

FIGURE 2

Otay Mesa Community Plan Area Location on USGS Map

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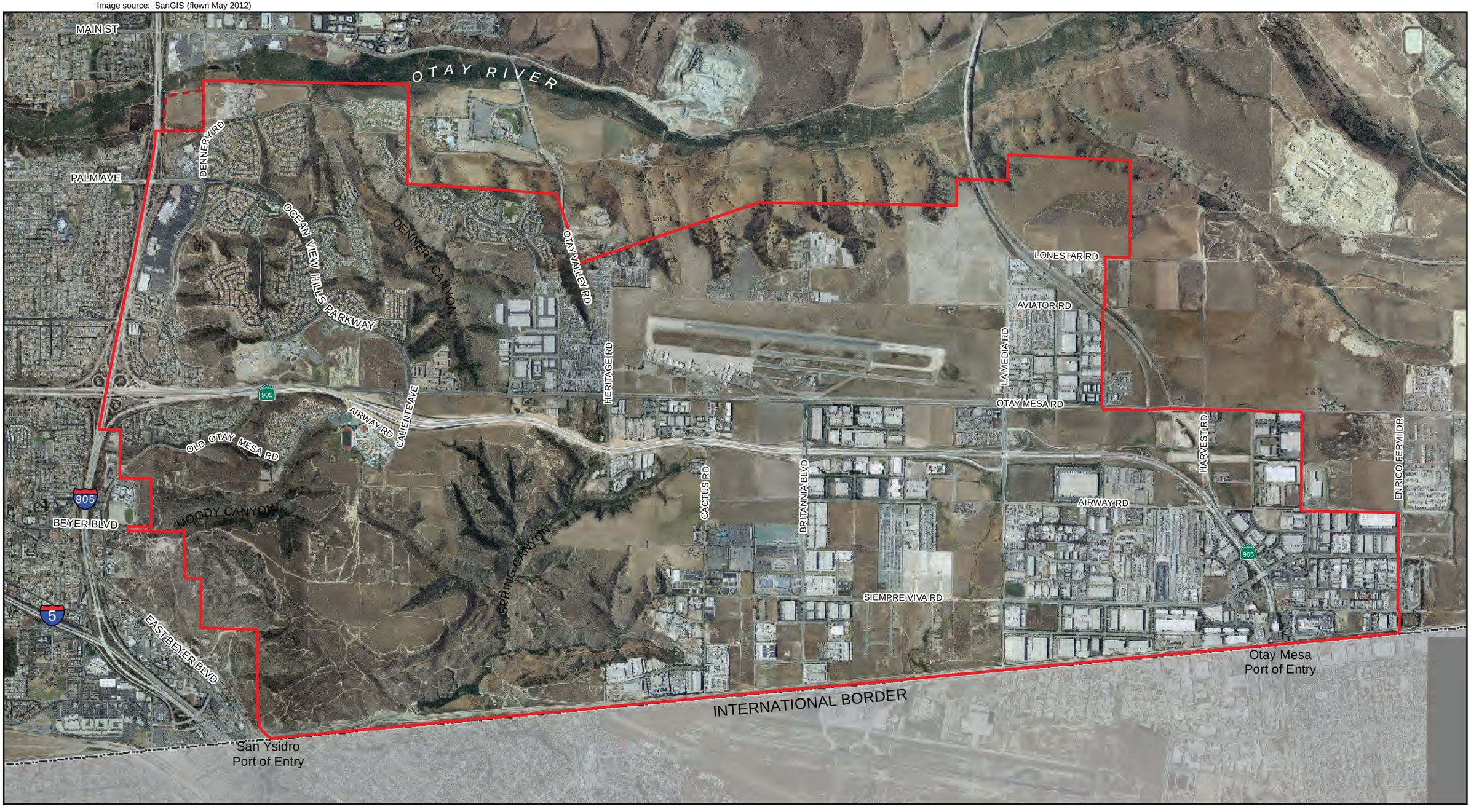
Image source: SanGIS (flown May 2012)



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Otay Mesa Community Plan Boundary

Not A Part

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FIGURE 3

Aerial Photograph of Otay Mesa Community Plan Area

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This document provides information pertaining to the existing biological resources in the CPU area and anticipated impacts to sensitive vegetation communities and species associated with buildout of the community plan. This information will be used in the development of the CPU and associated California Environmental Quality Act (CEQA) documents.

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2.0 Methods

2.1 Literature Review

RECON biologists conducted reviews of existing literature relevant to the biological resources known from the CPU area. Literature reviewed included, but was not limited to, the documents listed in Attachment 2. Future projects implemented as part of the CPU land use plan would require subsequent environmental review, including the requirement for project-specific biology surveys and reports.

2.2 Botanical Resources

2.2.1 Vegetation Communities

The base vegetation community mapping is taken primarily from the San Diego Association of Governments (SANDAG 1995) digital file for the Multiple Species Conservation Program (MSCP). This vegetation mapping was updated using information from an aerial photograph of the area (SanGIS 2012). Updates to the vegetation map included areas that were mapped as native vegetation or agricultural, but showed as developed on the 2012 aerial photo.

Vegetation community classifications follow Holland (1986) and Oberbauer (1996). Assessments of the sensitivity of habitats are based primarily on the California Native Plant Society (CNPS; 2012), the California Natural Diversity Data Base (CNDDB; State of California 2012a), City of San Diego (1997 and 2012), U.S. Fish and Wildlife Service (USFWS; 2002a), and Holland (1986).

2.2.2 Sensitive Plants

The mapped locations of sensitive plant species are from the CNDDB (State of California 2012a) and other biological resource documents reviewed from the CPU area (see Attachment 2). Nomenclature for plant species follows Hickman (1993), and Jepson (2009). Assessments of the sensitivity of species are based primarily on CNPS (2012), State of California (2012b), City of San Diego (1997 and 2012), and USFWS (2002a).

2.3 Sensitive Wildlife

The mapped locations of sensitive wildlife species are from the CNDDB (State of California 2012a) and the other biological resource documents reviewed from the CPU area (see Attachment 2). Zoological nomenclature for birds is in accordance with the American Ornithologists' Union Checklist (1998) and Unitt (2004); for mammals, Jones et al. (1997) and Hall (1981); and for amphibians and reptiles, Crother (2001) and Crother et al. (2003). Assessments of the sensitivity of species are based primarily on State of California (2011a, 2011b), City of San Diego (1997 and 2012), and USFWS (2002a).

3.0 Existing Conditions

3.1 Site Description

3.1.1 Topography

Otay Mesa has varying elevation from approximately 450 feet above mean sea level (AMSL) feet to more than 600 feet AMSL (see Figure 2). The western two-thirds of the study area is a flat elevated mesa bounded by steep cliffs. The eastern one-third is characterized by low, gently rolling hills that increase in elevation gradually to the mountainous terrain of the San Ysidro Mountains to the east. On the north, the moderate slopes of the Otay River Valley become steep bluffs near the mesa, with several major canyons such as O'Neal, Johnson, and Dennery that bisect the area. To the west, a terrace rises steeply from I-805 to the mesa, with Moody Canyon and Spring Canyon as the major drainage systems of the area.

3.1.2 Land Use

Current land use on Otay Mesa is a mixture of residential development of various densities, industrial and commercial areas, parks, and undeveloped lands. Some of the undeveloped lands are agricultural areas while others are designated open space areas set aside to preserve sensitive vegetation communities, wetlands, and habitat for sensitive plant and wildlife species.

3.1.3 Soils

The U.S. Department of Agriculture (USDA; 1973) mapped the following soil series in the CPU area: Diablo clay, gravel pit, Huerhuero loam, Huehuero-Urban land complex, Linne clay loam, mine and quarry, Olivenhain cobbly loam, Riverwash, Salinas clay loam, Salinas clay, and Stockpen gravelly clay loam. Most of the eastern portion of the mesa is covered by Diablo series clays, a dark gray soil derived from sandstone and shale. The western half of the mesa is covered by the Stockpen series of gravelly clay loams. Smaller portions of the mesa are covered with Salinas series clays and the previously mentioned soils, all of its horizons are clayey. The Huerhuero loams are different in that the top foot of the soils is a loam. These soils are characteristic of the flat and gently rolling mesa lands within the CPU area.

The canyon slopes, immediately to the north and west of the mesa, are covered with Olivenhain series cobbly loams. This soil has a topsoil of cobbly loam and a subsoil of very cobbly clay. Farther west, the canyons have Linne series clay loams. To the north,

the Otay River Valley has Riverwash soils (sandy, gravelly, or cobbly material) along the floodway (City of San Diego 1981).

3.2 Botanical Resources

There are 15 vegetation communities and land cover types present in the CPU area: urban/developed, non-native grassland, Diegan coastal sage scrub, disturbed, maritime succulent scrub, agriculture, non-native vegetation, riparian, vernal pool, basin with fairy shrimp, mule fat scrub, southern mixed chaparral, freshwater marsh, eucalyptus woodland, and alkali seep. The approximate acreages of these vegetation communities and land cover types are shown in Table 2. Vegetation communities and land cover types mapped within the CPU area are shown on Figure 4 and described below.

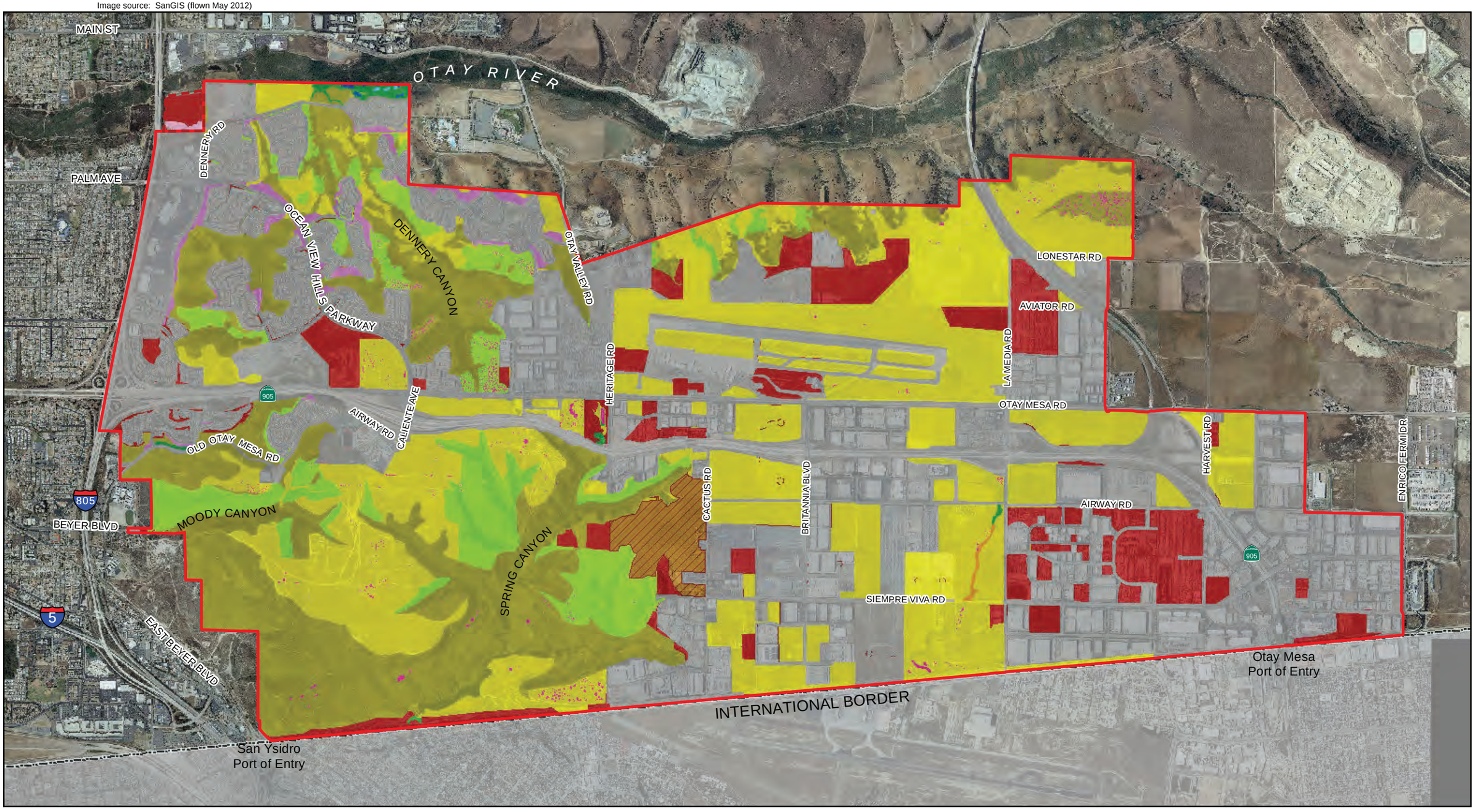
TABLE 2
VEGETATION COMMUNITIES AND LAND COVER TYPES

Vegetation Community/Land Cover Type	CPU Area (acres)
Urban/developed	3,853.9
Non-native grassland	2,429.4
Diegan coastal sage scrub	1,619.0
Disturbed land	673.4
Maritime succulent scrub	540.9
Agriculture	113.2
Non-native vegetation	68.3
Riparian	23.97
Vernal pool	12.34
Basin with fairy shrimp	12.24
Mule fat scrub	5.17
Southern mixed chaparral	4.6
Freshwater marsh	1.06
Eucalyptus woodland	1.0
Alkali seep	0.53
TOTAL	9,349.08

3.2.1 Wetland Vegetation Communities

Wetland vegetation communities are dominated by plant species adapted to soils that have periods of prolonged saturation. The CPU area has five wetland vegetation communities mapped within the limits and these five vegetation communities are described below. Wetland vegetation communities are considered sensitive by the City

Image source: SanGIS (flown May 2012)



Otay Mesa Community Plan Boundary
Not A Part

Vegetation Communities and Land Cover Types

- Alkali Seep
- Coastal and Valley Freshwater Marsh
- Diegan Coastal Sage Scrub
- Eucalyptus Woodland
- Maritime Succulent Scrub
- Mule Fat Scrub
- Non-native Grassland
- Non-native Vegetation
- Riparian
- Southern Mixed Chaparral
- Vernal Pool
- Agriculture
- Disturbed Land
- Urban/Developed

0 Feet 2,500

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FIGURE 4

Existing Vegetation Communities and Land Cover Types

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of San Diego and resource agencies. These communities are regulated by the City and Regional Water Quality Control Board (RWQCB) and some are regulated by the U.S. Army Corps of Engineers (USACE), USFWS, and the California Department of Fish and Wildlife (CDFW).

3.2.1.1 Riparian (23.97 acres)

Riparian vegetation consists of riparian scrub, riparian woodland, and/or riparian forest within the CPU area. These communities vary from open to dense and are typically dominated by broad-leafed, winter deciduous trees and/or shrubs. These communities may contain an understory consisting of sub-shrubs or herbaceous species, although denser stands may prevent the development of understory vegetation. Tree species may include willows (*Salix* spp.), Fremont cottonwoods (*Populus fremontii*) and/or western sycamores (*Platanus racemosa*). Scrubs are generally dominated by riparian shrubs such as mule fat (*Baccharis salicifolia*). Riparian vegetation as mapped contains areas of riparian vegetation considered disturbed. Disturbed riparian vegetation includes areas that have been impacted from human encroachment (e.g., homeless encampments or other trespasses), or by the invasion of non-native plant species from adjacent areas (e.g., salt cedar [*Tamarix* spp.]). Riparian communities are typically found along major drainages, but also may occur in smaller drainages. Within the CPU area, small patches of riparian vegetation are found within the Otay River Valley, upper Dennery Canyon, and Spring Canyon.

3.2.1.2 Freshwater Marsh (1.06 acres)

This community consists of perennial emergent monocots such as cattails (*Typha* spp.) and bulrush (*Scirpus* spp.). Freshwater marsh vegetation occurs in open bodies of fresh water with little current flow, such as ponds, and to a lesser extent around seeps and springs. The vegetation typically forms a closed canopy. Freshwater marshes occur in areas of permanent inundation by freshwater without active streamflow. Freshwater marsh communities, as with all wetland habitats, have been greatly reduced throughout their entire range and continue to decline as a result of urbanization.

Freshwater marsh areas include the unvegetated open water of ponds, lakes, and wide streams. These freshwater marsh areas are mapped within the northwest portion of the CPU area within the Otay River Valley.

3.2.1.3 Vernal Pool (12.34 acres) and Basins with Fairy Shrimp (12.24 acres)

San Diego mesa claypan vernal pools are shallow, isolated, seasonal wetlands distinguished from other ephemeral wetlands in the region by characteristic plant and animal species. The micro-relief surrounding vernal pools typically consists of small

mima mounds or hummocks. San Diego mesa claypan vernal pools have a characteristic suite of plant and animal species. Plants in vernal pools may be aquatic or may germinate following the drying of the pool. Pool sizes range from very small to moderate (up to circa 700 square meters).

Vernal pools can be characterized as Hardpan or Claypan vernal pools which are distinguished by the soil type they occur on, the type of impervious subsoil layer, and vegetation. Claypan vernal pools are primarily found on Otay Mesa on Stockpen soils, but are also located in other areas of San Diego County and into Baja California. Hardpan vernal pools are primarily found north of Otay Mesa (Holland 1986).

Basins with fairy shrimp is a subset of vernal pools used to distinguish the presence of fairy shrimp. Some of these basins may be vernal pools while others are simply road ruts in which fairy shrimp happen to occur.

Approximately 1,266 vernal pools are located within the CPU area based on data compiled by the City of San Diego. Of this total, 522 are basins with fairy shrimp. These vernal pools are located on mesas in the northeastern, central-western, and southwestern portions of the CPU area. In addition, vernal pools have been mapped west of La Media Road near the International Border. The vernal pools within the CPU area are a mixture of natural and created basins, most of which are found within preserved open space areas. Vernal pool creation/restoration and enhancement has been successful in Otay Mesa as there are multiple vernal pool preserve areas located within the CPU area. The largest of these preserves is the 45-acre Dennery Canyon vernal pool preserve east of Ocean View Hills Parkway.

Otay Mesa vernal pools have historically been impacted by non-native weeds, grazing, and off-road-vehicle activity. Over the years, habitat changes caused by disturbance, including the resulting weed invasion, have diminished the suitable habitat available for ground nesting pollinators. Even though various insects have been observed visiting local vernal pool plant species, studies to determine if any of these insects are effective pollinators are lacking. Therefore referring to the visiting insects as potential pollinators is currently the best terminology to use for these observations. Visiting insects observed (either photographed or collected) on vernal pool plant species' flowers as part of vernal pool restoration monitoring efforts on the Otay Mesa include flies in the families of Sarcophagidae (flesh flies) and Calliphoridae (blow flies), various Hymenoptera including small bees and wasps, Syrphidae (hover flies) and other tiny bees, wasps, and flies, including bee flies, larger bumblebees, and sphinx moths (RECON 2005).

3.2.1.4 Mule Fat Scrub (5.17 acres)

Mule fat scrub is an early seral riparian scrub community dominated by mule fat and maintained by frequent flooding. Often this community is distributed along ephemeral streams. In the CPU area, mule fat scrub occurs in a drainage west of La Media Road.

3.2.1.5 Alkali Seep (0.53 acre)

Alkali seep typically consists of low-growing perennial herbs in permanently moist or wet alkaline seeps as part of narrow drainages or springs. This vegetation community usually consists of relatively few species and forms complete cover. In the CPU area, alkali seep occurs in the Otay River Valley.

3.2.2 Upland Communities

Upland vegetation communities do not support wetland species. These native vegetation types occur on the drier areas of the mesa, slopes, and canyons in the CPU area. Four vegetation communities are in this category as described below.

3.2.2.1 Non-native Grassland (2,429.4 acres)

Non-native grassland is characterized by a dense to sparse cover of annual grasses, which may include numerous native wildflowers, particularly in years of high rainfall. Non-native grasslands contain species including, but not limited to, bromes, wild oats, ryegrasses, and fescues. Typically, this community includes at least 50 percent cover of the entire herbaceous layer attributable to annual non-native grass species, although other native and non-native plant species may be intermixed (City of San Diego 2012).

These annuals germinate with the onset of the rainy season and set seeds in the late winter or spring. With a few exceptions, the plants of non-native grasslands are dead through the summer-fall dry season. Non-native grassland is typically found on fine-textured, usually clay, soils, that range from being moist or waterlogged in the winter to being very dry during the summer and fall. This community is found in valleys and foothills throughout much of California at elevations below 3,000 to 4,000 feet (Holland 1986). Non-native grassland can be found dispersed throughout the CPU area.

3.2.2.2 Diegan Coastal Sage Scrub (1,619.0 acres)

Diegan coastal sage scrub is the southern form of coastal sage scrub comprised of low-growing, aromatic, drought-deciduous soft-woody shrubs that have an average height of approximately three to four feet. Diegan coastal sage scrub is typically dominated by facultatively drought deciduous species such as California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum*), laurel sumac (*Malosma laurina*), and black sage (*Salvia mellifera*).

This community is typically found on low moisture-availability sites with steep, xeric slopes or clay rich soils that are slow to release stored water. These sites often include drier south- and west-facing slopes and occasionally north-facing slopes, where the community can act as a successional phase of chaparral. Diegan coastal sage scrub

transitions to several types of chaparrals at higher elevation, or in drier more inland areas to Riversidean sage scrub. Diegan coastal sage scrub is found in coastal areas from Los Angeles County south into Baja California (Holland 1986).

Some coastal sage scrub areas in the CPU contain another co-dominant species, San Diego bur-sage (*Ambrosia chenopodiifolia*). Other coastal sage scrub areas in the CPU area have a greater percentage of non-native grassland species such as bromes (*Bromus* spp.), wild oats (*Avena* spp.), ryegrasses (*Lolium* spp.), and fescues (*Vulpia* spp.). Coastal sage scrub is found primarily in the northern and western portions of the CPU area both in large acreages and in smaller, more isolated patches.

3.2.2.3 Maritime Succulent Scrub (540.9 acres)

Maritime succulent scrub is a low (two to three feet high), open (25–75 percent cover) vegetation community dominated by drought deciduous, somewhat woody soft-leaved shrubs with a rich mixture of stem and leaf succulents (e.g., cacti). The proportion of cacti in this community is typically highest in inland areas. Ground cover is more or less devoid of vegetation between shrubs. Growth and flowering are concentrated in the spring. Maritime succulent scrub occurs on thin, rocky, or sandy soils, often on steep slopes of coastal headlands and bluffs. This type of succulent scrub transitions to southern coastal bluff scrub on more exposed headlands and bluffs and with coastal sage scrub on better developed, moister soils away from the immediate coast (Holland 1986). This vegetation community is found in the western half of the CPU area.

Maritime succulent scrub occurs along the slopes of canyons (e.g., Moody Canyon, Dennery Canyon, Spring Canyon) on the western half of the CPU area and along the north–central CPU boundary to the north of Brown Field (see Figure 4). Some areas of maritime succulent scrub are disturbed and contain an abundance of exotic invasive plant species. Disturbed maritime succulent scrub can be found within the southwestern portion of the CPU area within Spring Canyon.

3.2.2.4 Southern Mixed Chaparral (4.6 acres)

Southern mixed chaparral is a plant community typically dominated by broad-leaved sclerophyllous shrubs or small trees that typically range in height range from 4 to 10 feet tall. Southern mixed chaparral is typically dominated by blue-colored lilacs including Ramona lilac (*Ceanothus tomentosus* var. *olivaceus*), chaparral whitethorn (*C. leucodermis*), and hairy ceanothus (*C. oliganthus*) and may include manzanita (*Arctostaphylos* spp.), toyon (*Heteromeles arbutifolia*), sugar bush (*Rhus ovata*), and mission manzanita (*Xylococcus bicolor*) (Holland 1986). Southern mixed chaparral typically is found in coastal foothills of San Diego County at elevations below 3,000 feet. It usually occupies canyon slopes or ravines where mesic conditions are present. The vegetation is usually dense, with little or no understory cover, but may include patches of

bare soil. Many species in this community are adapted to repeated fires by their ability to stump sprout. This vegetation community is found along the northwestern edge of the CPU area in the Otay River Valley.

3.2.3 Other Land Cover Types

Three other land cover types are present within the CPU area. All result from some sort of development, encroachment, or other human disturbance.

3.2.3.1 Urban/Developed (3,853.9 acres)

Areas mapped as developed include locations with residential housing, commercial, and industrial land uses. Urban/developed includes ornamental areas that have been landscaped with non-native species and are actively maintained.

3.2.3.2 Disturbed Land (673.4 acres)

Disturbed land includes undeveloped areas modified by activities such as grading, scraping, or off-road vehicle use. Areas mapped as disturbed are scattered throughout the CPU area, primarily in the western and the northern portion. A large portion of the southwestern corner of the CPU area, particularly within and surrounding Spring Canyon, was identified in the MSCP mapping as disturbed. However, these areas likely support some native and non-native vegetation and would require that a site-specific biological survey be conducted during the project-specific analysis to determine if any native or non-native habitats exist on-site. In addition, some of these disturbed lands may or do support burrowing owls (*Athene cunicularia hypugaea),* which would require site-specific protocol surveys.

3.2.3.3 Agriculture (113.2 acres)

This land cover type includes all agricultural land (both active and inactive). Agricultural activities are present primarily within the southern half of the CPU area, with several patches along the northern boundary of the CPU area.

3.2.3.4 Non-native Vegetation (68.3 acres)

Non-native vegetation consists of non-native plant species, including ornamental and/or invasive species. This land cover type occurs primarily in the northeastern portion of the CPU. However, this area likely supports some native vegetation and would need to be verified during the project-specific analysis to determine if any native or non-native habitats exist on-site.

3.2.3.5 Eucalyptus Woodland (1 acre)

Eucalyptus woodland is comprised of stands of eucalyptus trees (*Eucalyptus* spp.). These trees are not native to the area and are considered invasive species because of their rapid growth rate, broad cover, and allelopathic chemicals contained in their leaf litter that prevents understory species from growing. Once established, eucalyptus groves often form dense canopies that displace native habitats over time (Holland 1986). Eucalyptus woodland was mapped along the future Beyer Boulevard extension along the western edge of the CPU area and along the northern edge of the CPU area west of State Route 125.

3.3 Sensitive Biological Resources

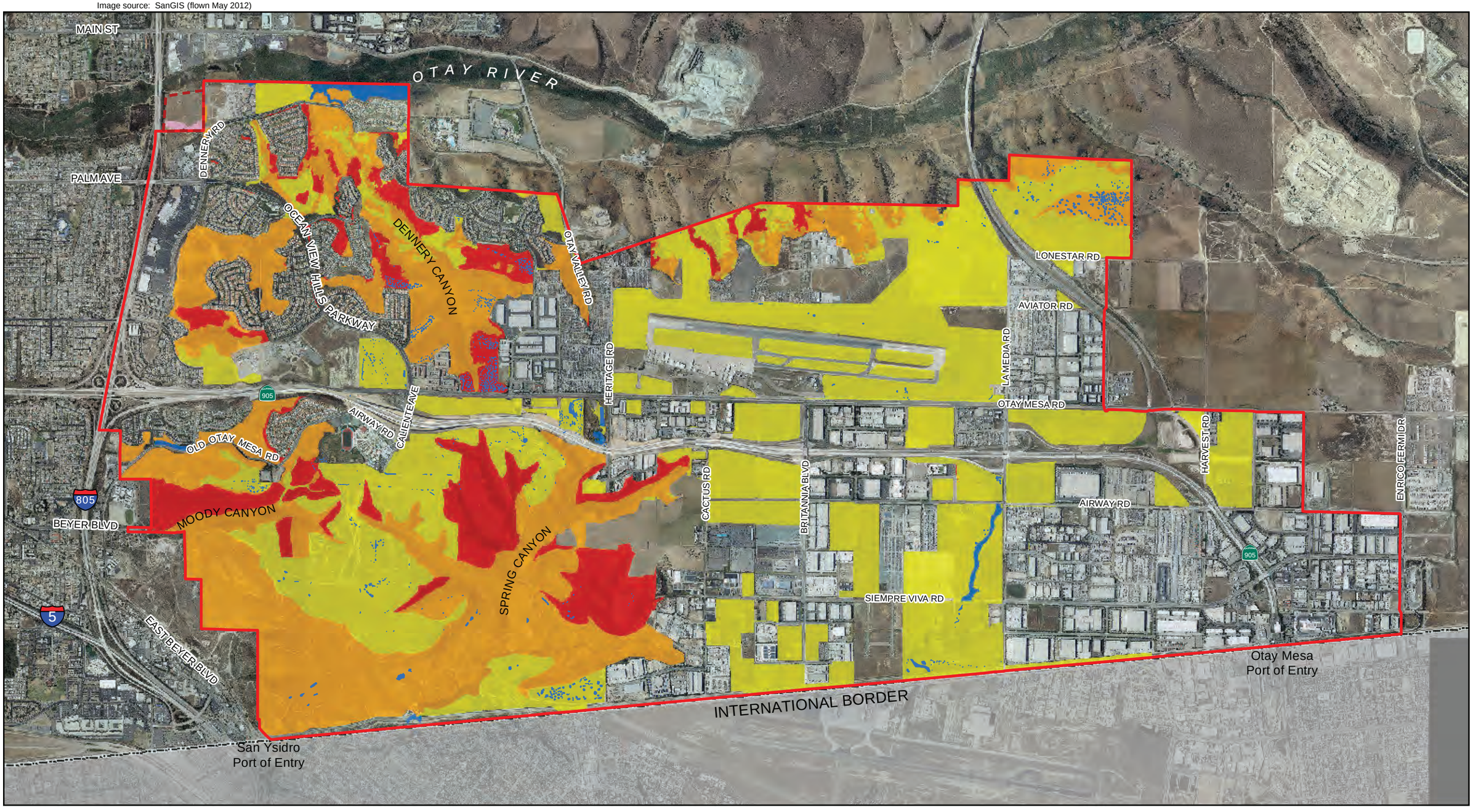
For purposes of this report, a species is considered sensitive if it: (1) is listed by state or federal agencies as threatened or endangered or are candidates or proposed for such listing; (2) is considered rare, endangered, or threatened by the State of California and/or listed in the CNDDB (State of California 2012a, 2012b, 2011a, 2011b); (3) is a narrow endemic or covered species in the City of San Diego Multiple Species Conservation Program Subarea Plan (City of San Diego 1997); (4) has a CNPS Rare Plant Ranking of 1B or 2 on the CNPS *Inventory of Rare and Endangered Vascular Plants of California* (2012); or (5) is considered rare, sensitive, or noteworthy by local conservation organizations or specialists. Noteworthy plant species are considered to be those that have a CNPS Rare Plant Ranking of 3 and 4 on the CNPS *Inventory*. Sensitive habitat types are those identified by the CNDDB (State of California 2012a) and Holland (1986). Assessments for the potential occurrence of sensitive or noteworthy species are based upon known ranges and habitat preferences for the species and species occurrence records from the CNDDB.

Under the MSCP, upland vegetation communities have been divided into four tiers of sensitivity. Upland vegetation communities that are classified as Tier I (rare uplands), Tier II (uncommon uplands), or Tier III (common uplands) are considered sensitive by the City. Tier IV (other uplands) vegetation communities are not considered sensitive.

3.3.1 Sensitive Vegetation Communities

Sensitive vegetation communities are those communities that are of highly limited distribution. These communities may also support concentrations of sensitive plant or wildlife species. Upland communities within the MSCP are divided into four tiers of sensitivity based on rarity and ecological importance (City of San Diego 2012). Tier I is the most sensitive and Tier IV is the least sensitivity. The sensitive vegetation community MSCP Tiers present in the CPU area are shown on Figure 5 and summarized below.

Image source: SanGIS (flown May 2012)



Otay Mesa Community Plan Boundary

Not A Part

Vegetation Classification

- Tier I Uplands
- Tier II Uplands
- Tier IIIA Uplands
- Tier IIIB Uplands
- Wetlands

0 Feet 2,500

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FIGURE 5

Sensitive Vegetation Communities

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Maritime succulent scrub is an MSCP Tier I habitat within the CPU area. Tier I is mapped primarily in the northern and western portions of the CPU area, along Dennery Canyon, Moody Canyon, Spring Canyon, and the Otay River Valley.

Diegan coastal sage scrub, in pristine or disturbed condition, is considered sensitive by federal and state resource agencies due to the scarcity of this vegetation community and the number of sensitive species associated with it. This vegetation community is categorized as a Tier II vegetation community. Tier II vegetation is mapped primarily in the western and northern portions of the CPU area, along Dennery Canyon, Moody Canyon, Spring Canyon, and the Otay River Valley.

Southern mixed chaparral is categorized as a Tier IIIA vegetation community. Tier IIIA communities, although common, are considered sensitive as they may support a variety of rare plant and animal species. Tier IIIA is mapped only in the northwestern portion of the CPU area, in the Otay River Valley.

Non-native grassland is classified as a Tier IIIB community. Tier IIIB habitat is considered less valuable than native habitat, but still provides foraging habitat for many species, particularly raptors, and may support a variety of rare plant and animal species. Tier IIIB is found in the northeastern portion and scattered in patches elsewhere in the CPU area.

All wetland vegetation communities, including vernal pools, are considered sensitive by the City of San Diego and resource agencies. These communities are regulated by the City, USFWS, and RWQCB and some are regulated by USACE and CDFW. Case-by-case analysis would be needed to determine what agencies (City, USFWS, RWQCB, USACE, or CDFW) might have regulatory authority on any wetland resources proposed to be impacted.

3.3.2 Sensitive Plant Species

The sensitive plant species below are known from the CPU area based on information obtained from the literature review. Sources include, but are not limited to, the CNDDB, (State of California 2012a), and the reports listed in Attachment 2. Precise locations of sensitive plant species would be identified through on-site reconnaissance and project-level analysis in conjunction with proposed future development. Table 3 lists the sensitive plant species observed in the CPU area.

3.3.2.1 Listed and MSCP-Covered Species

San Diego thornmint (*Acanthomintha ilicifolia*). San Diego thornmint is federally listed as threatened and state listed as endangered (State of California 2012a). It is considered a narrow endemic under the MSCP and has a CNPS Rare Plant Ranking of

1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997; CNPS 2012). This annual herb in the mint family (Lamiaceae) flowers from April through June. It is known to occur at elevations between 30 and 3,200 feet in San Diego County and in northern Baja California. Preferred habitat is friable or cracked clay soil in grassy openings within chaparral and coastal scrub (Reiser 2001). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

San Diego ambrosia (*Ambrosia pumila*). San Diego ambrosia is federally listed as endangered (State of California 2012b). It is considered a narrow endemic species under the MSCP and has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997; CNPS 2012). This perennial herb in the sunflower family (Asteraceae) emerges from rhizomes in spring and flowers from June to September. It is found at elevations below 500 feet in western Riverside and San Diego counties, and in northern Baja California. It may occur in disturbed areas in chaparral, coastal scrub, grassland, or vernal pool communities (CNPS 2012). Potential habitat in San Diego County is along creek beds, seasonally dry drainages, and floodplains along the edge of willow woodland, in Riverwash or sandy alluvial soils (Reiser 2001), from the San Luis Rey River south to the Sweetwater River (Beauchamp 1986). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

San Diego goldenstar (*Bloomeria* [=*Muilla*] *clevelandii*). San Diego goldenstar is a covered species under the MSCP and has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (City of San Diego 1997; CNPS 2012). San Diego goldenstar is a bulbiferous herb of the Brodiaea family (Themidaceae). This species is found only in southwestern San Diego County and northern Baja California, Mexico, where it occurs on clay soils in coastal sage scrub, chaparral, and grassland habitats (Munz 1974). It is a perennial bulb threatened by loss, degradation, and conversion of habitat. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a) and PBS&J (2004).

Orcutt's brodiaea (*Brodiaea orcuttii*). Orcutt's brodiaea is covered under the MSCP and has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997; CNPS 2012). This bulbiferous perennial in the lily family (Liliaceae) flowers from April through July. Its range is limited to San Diego, Riverside, and Orange Counties and Baja California, Mexico at elevations up to 5500 feet (Munz 1974). Typically it is found in chaparral and lower montane coniferous forest communities, particularly areas with vernally moist grasslands, mima mounds, or at the edge of vernal pools or streams (Reiser 2001). It is known to occur in clay, and sometimes serpentine, soils including Stockpen gravelly loam on Otay Mesa and Redding gravelly loam on Mira Mesa (Reiser

TABLE 3
SENSITIVE PLANT SPECIES KNOWN OR WITH THE POTENTIAL TO OCCUR IN THE CPU AREA

Species	State/ Federal Status	CNPS Rare Plant Ranking	City of San Diego	Habitat/Blooming Period
ANGIOSPERMS: DICOTS				
AMARANTHACEAE	**AMARANTH FAMILY**			
Atriplex pacifica south coast saltscale	–/–	1B.2	–	Annual herb; coastal bluff scrub, coastal dunes, coastal sage scrub, playas; blooms Mar.–Oct.; elevation less than 500 feet.
APIACEAE	**CARROT FAMILY**			
Eryngium aristulatum var. *parishii* San Diego button-celery	CE/FE	1B.1	[1]	Annual/perennial herb; vernal pools, mesic areas of coastal sage scrub and grasslands, blooms April–June; elevation less than 2,000 feet.
ASTERACEAE	**SUNFLOWER FAMILY**			
Ambrosia chenopodiifolia San Diego bur-sage	–/–	2.1	–	Shrub; coastal sage scrub, cobbly loam soils; blooms April–June; elevation 150–500 feet. Approximately 10 occurrences known in San Diego. Additional populations in Baja California, Mexico.
Ambrosia pumila San Diego ambrosia	–/FE	1B.1	NE, MSCP	Perennial herb; chaparral, coastal sage scrub, valley and foothill grassland, creek beds, vernal pools, often in disturbed areas; blooms May–Sept.; elevation less than 1,400 feet. Many occurrences extirpated in San Diego County.
Bahiopsis [=*Viguiera*] *laciniata* San Diego County viguiera	–/–	4.2	–	Shrub; chaparral, coastal sage scrub; blooms Feb.–June; elevation less than 2,500 feet.
Deinandra [=*Hemizonia*] *conjugens* Otay tarplant	CE/FT	1B.1	NE, MSCP	Annual herb; coastal sage scrub, valley and foothill grassland, clay soils; blooms May–June, elevation less than 1,000 feet.
Isocoma menziesii var. *menziesii* [=var. *decumbens*] Decumbent goldenbush	–/–	1B.2	–	Shrub; chaparral, coastal sage scrub, sandy soils, often in disturbed areas; blooms April–Nov.; elevation less than 500 feet.
CACTACEAE	**CACTUS FAMILY**			
Bergerocactus emoryi Golden-spined cereus	–/–	2.2	–	Succulent; closed-cone coniferous forest, chaparral, coastal sage scrub, sandy; blooms May–June; elevation less than 1,300 feet.
Cylindropuntia [=*Opuntia*] *californica* var. *californica*] Snake cholla	–/–	1B.1	NE, MSCP	Succulent shrub; chaparral, coastal sage scrub; blooms April–May; elevation 100–500 feet.
Ferocactus viridescens San Diego barrel cactus	–/–	2.1	MSCP	Succulent; chaparral, coastal sage scrub, valley and foothill grassland, vernal pools; blooms May–June; elevation less than 1,500 feet.

TABLE 3
SENSITIVE PLANT SPECIES KNOWN OR WITH THE POTENTIAL TO OCCUR IN THE CPU AREA
(continued)

Species	State/ Federal Status	CNPS Rare Plant Ranking	City of San Diego	Habitat/Blooming Period
CRASSULACEAE	**STONECROP FAMILY**			
Dudleya variegata Variegated dudleya	–/–	1B.2	NE, MSCP	Perennial herb; openings in chaparral, coastal sage scrub, grasslands, vernal pools; blooms May–June; elevation less than 2,000 feet.
EUPHORBIACEAE	**SPURGE FAMILY**			
Euphorbia misera Cliff spurge	–/–	2.2	–	Shrub; coastal sage scrub, maritime succulent scrub, coastal bluff scrub; blooms Dec.–Aug.; elevation less than 2,000 feet.
FAGACEAE	**OAK FAMILY**			
Quercus dumosa Nuttall's scrub oak	–/–	1B.1	–	Evergreen shrub; closed-cone coniferous forest, coastal chaparral, coastal sage scrub, sandy and clay loam soils; blooms Feb.–March; elevation less than 1,300 feet.
LAMIACEAE	**MINT FAMILY**			
Acanthomintha ilicifolia San Diego thornmint	CE/FT	1B.1	NE, MSCP	Annual herb; chaparral, coastal sage scrub, and grasslands on friable or broken clay soils; blooms April–June; elevation less than 3,100 feet.
Pogogyne nudiuscula Otay mesa mint	CE/FE	1B.1	[1]	Annual herb; vernal pools; blooms May–July; elevation 300–800 feet. Known from six occurrences in Otay Mesa.
POLEMONIACEAE	**PHLOX FAMILY**			
Navarretia fossalis Spreading navarretia	–/FT	1B.1	[1]	Annual herb; vernal pools, marshes and swamps, chenopod scrub; blooms April–June; elevation 100–4,300 feet.
RANUNCULACEAE	**BUTTERCUP FAMILY**			
Myosurus minimus ssp. *apus* Little mousetail	–/–	3.1	–	Annual herb; vernal pools, perennial grasslands; blooms March–June; elevation 70–2,100 feet.
RHAMNACEAE	**BUCKTHORN FAMILY**			
Adolphia californica California adolphia	–/–	2.1	–	Deciduous shrub; Diegan coastal sage scrub and chaparral; clay soils; blooms Dec.–May; elevation 100–1,000 feet.
ROSACEAE	**ROSE FAMILY**			
Rosa minutifolia Small-leaved rose	CE/–	2.1	MSCP	Shrub; coastal sage scrub; blooms Jan.–June; elevation 500–550 feet. Known in California from only one occurrence on Otay Mesa, this occurrence now part of a translocation program on Otay Mesa.
SCROPHULARIACEAE	**FIGWORT FAMILY**			
Cordylanthus orcuttianus Orcutt's bird's-beak	–/–	2.1	MSCP	Annual herb; coastal sage scrub; blooms March–Sept.; elevation less than 1,200 feet.

TABLE 3
SENSITIVE PLANT SPECIES KNOWN OR WITH THE POTENTIAL TO OCCUR IN THE CPU AREA
(continued)

Species	State/ Federal Status	CNPS Rare Plant Ranking	City of San Diego	Habitat/Blooming Period
ANGIOSPERMS: MONOCOTS				
POACEAE	**GRASS FAMILY**			
Orcuttia californica California Orcutt grass	CE/FE	1B.1	[1]	Annual herb; vernal pools; blooms April–August; elevation 50–2,200 feet.
THEMIDACEAE				
Bloomeria [=*Muilla*] *clevelandii* San Diego goldenstar	–/–	2.1	MSCP	Perennial herb (bulbiferous); chaparral, coastal sage scrub, valley and foothill grassland, vernal pools, clay soils; blooms May; elevation 170–1,500 feet.
Brodiaea orcuttii Orcutt's brodiaea	–/–	1B.1	MSCP	Perennial herb (bulbiferous); closed cone coniferous forest, chaparral, meadows and seeps, valley and foothill grassland, vernal pools, mesic, clay soil; blooms May–July; elevation less than 5,300 feet.

[1]The City of San Diego relinquished take authority for the seven vernal pool species under the Brewster decision, including San Diego button celery, Otay mesa mint, spreading navarretia, and California Orcutt grass.

FEDERAL CANDIDATES AND LISTED PLANTS
FE = Federally listed endangered
FT = Federally listed threatened

STATE LISTED PLANTS
CE = State listed endangered

CITY OF SAN DIEGO
NE = Narrow endemic
MSCP = Multiple Species Conservation Program covered species

CALIFORNIA NATIVE PLANT SOCIETY RARE PLANT RANKINGS
1B = Species rare, threatened, or endangered in California and elsewhere. These species are eligible for state listing.
2 = Species rare, threatened, or endangered in California but more common elsewhere. These species are eligible for state listing.
3 = Species for which more information is needed. Distribution, endangerment, and/or taxonomic information is needed.
4 = A watch list of species of limited distribution. These species need to be monitored for changes in the status of their populations.
.1 = Species seriously threatened in California (over 80% of occurrences threatened; high degree and immediacy of threat)
.2 = Species fairly threatened in California (20-80% occurrences threatened; moderate degree and immediacy of threat)
.3 = Species not very threatened in California (<20% of occurrences threatened; low degree and immediacy of threat or no current threats known)

2001). This species is known to occur within one mile of the CPU area and is likely to occur on-site (State of California 2012a). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

Snake cholla (*Cylindropuntia* [=*Opuntia*] *californica* var. *californica*). Snake cholla is considered a narrow endemic species under the MSCP and has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997; CNPS 2012). It is a generally prostrate cactus (Cactaceae family) that may grow up to 9 feet and blooms with yellow or green-yellow flowers in April and May. This variety grows only in southern San Diego County and Baja California, with the northernmost known location in Florida Canyon in Balboa Park (Reiser 2001). Snake cholla occurs in coastal sage scrub and chaparral habitats between 100 and 500 feet elevation (CNPS 2012), most often on dry hillsides. It is associated with Huerhuero loam, Gaviota fine sandy loam, and Redding cobbly loam soils (Reiser 2001). This variety can be distinguished from *C. californica* var. *parkeri* by its range, prostrate form and shorter tubercle and longer central spine (Reiser 2001). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a) and PBS&J (2004).

Otay tarplant (*Deinandra* [=*Hemizonia*] *conjugens*). Otay tarplant is listed as a California endangered species and a federally threatened species (State of California 2012b). It is considered a narrow endemic species under the MCSP and has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997; CNPS 2012). This small, aromatic annual herb in the sunflower family (Asteraceae) produces mostly solitary yellow flowerheads in May and June (Munz 1974, CNPS 2012). It ranges from southwestern San Diego County into Baja California, in open coastal sage scrub and grassland habitats below 1000 feet (CNPS 2012). It typically occurs in herbaceous plant communities on slopes and mesas with expansive clay soils, and may occur in non-native grasslands and fallow agricultural fields where clay soils are present (Reiser 2001). It can be distinguished from the common golden tarplant (*H. fasiculata*) by its flowers, which have eight to ten rays and 13 to 21 disks (Hickman 1993). Otay tarplant is considered to be declining. Residential and commercial development and highway construction have led to this decline (CNPS 2012). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), Alden (2012), RECON (2004), and City of San Diego (2003).

Orcutt's bird's-beak (*Dicranostegia* [=*Cordylanthus*] *orcuttianus*). Orcutt's bird's-beak is covered under the MSCP and has a CNPS Rare Plant Ranking of 2.1 (Rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). This semi-parasitic annual in the broomrape family (Orobanchaceae) flowers from March to July. Its range extends from southern San Diego County into Baja California. Its habitat is coastal scrub

below 1,000 feet elevation (Hickman 1993, CNPS 2012), although Reiser (2001) considers seasonally dry drainages and upland adjacent to riparian habitat as its preferred habitat. The largest United States population is located in the Otay River drainage. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

Variegated dudleya (*Dudleya variegata*) Variegated dudleya is considered a narrow endemic species under the MSCP and has a CNPS Rare Plant Ranking of 1B.2 (rare, threatened, or endangered in California and elsewhere; fairly endangered in California) (City of San Diego 1997, CNPS 2012). This small succulent perennial in the stonecrop family (Crassulaceae) emerges from a corm in spring and produces yellow flowers in May and June. Its range extends from southwestern San Diego County to Baja California. It occurs in coastal sage scrub, grassland and chaparral habitats below 500 feet. It usually grows in stony places lacking shrub cover, on isolated rocky substrate in grasslands, and on mima mounds near vernal pools. It often occurs on gravelly loam soils (Reiser 2001). Although the largest populations are known from Otay Mesa, it has been reported as far north as Black Mountain Road (State of California 2012a). This species can be distinguished from many-stemmed dudleya (*D. multicaulis*) by its spoon-shaped, rather than linear, leaves and from Blochman's dudleya (*D. blochmaniae* ssp. *blochmaniae*) by its yellow, rather than white flowers. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), Alden (2012), and PBS&J (2004).

San Diego button-celery (*Eryngium aristulatum* var. *parishii*). San Diego button-celery is federally and state listed as endangered (State of California 2012b). It has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (CNPS 2012). San Diego button-celery is a low-growing emergent aquatic in the carrot family (Apiaceae) that can be either an annual or perennial plant, with heads of greenish flowers between March and July. San Diego button-celery is limited to vernal pools in coastal sage scrub and grassland habitats. Its current range extends from Marine Corps Base Camp Pendleton in northern San Diego County through San Diego County into Baja California. The appearance of the plant can differ from an erect plant with bright green leaves emerging from shallow pools in the spring to a spiny, prostrate, gray-green plant during flowering and fruiting. San Diego button-celery is considered to be declining due to loss or conversion of habitat. More than half of the 80 known occurrences of this species have been extirpated (CNPS 2012). Information regarding the occurrence of this species is from the AECOM (2012), Alden (2012), and PBS&J (2004).

San Diego barrel cactus (*Ferocactus viridescens*). San Diego barrel cactus is a covered species under the MSCP and has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). This globular succulent

in the cactus family (Cactaceae) grows to one foot tall and flowers in May and June. It is found only in coastal San Diego County and Baja California, Mexico. Although found as far north as Oceanside coastally and Poway inland, the largest populations of San Diego barrel cactus occur in Otay Mesa and Otay Valley, Point Loma, and Marine Corps Air Station Miramar (Reiser 2001). This species occurs in sandy and rocky areas in coastal sage scrub and grassland habitats below 500 feet elevation (Hickman 1993; Munz 1974). It is the only barrel cactus found in coastal areas. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a) and PBS&J (2004).

Spreading navarretia *(Navareretia fossalis).* Spreading navarretia is federally listed as threatened (State of California 2012b). It has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (CNPS 2012). This low-growing annual herb in the phlox family (Polemoniaceae) grows about five inches tall and flowers from April to June. Its range includes northwestern Los Angeles County, western Riverside County, coastal San Diego County, and northwestern Baja California (USFWS 1998); it is presumed extirpated from San Luis Obispo County (CNPS 2012). This species occurs in vernal pools and ditches below 4,300 feet (Hickman 1993). Numbers of prostrate navarretia increase during wet years, and this species is seldom noted in shallow vernal pools. Two other species of navarretia occur in similar habitats: *N. intertexta* has ovate, rather than linear, corolla lobes and *N. prostrata* is prostrate, with its bluish flowers almost buried in its basal leaves. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), AECOM (2012), PBS&J (2004), and City of San Diego (2003).

California Orcutt grass (*Orcuttia californica* var. *orcuttia*). California Orcutt grass is a state and federally endangered species (State of California 2012b). It has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (CNPS 2012). This prostrate, sticky, bright green annual grass (Poaceae family) grows about four inches tall and flowers in May and June (USFWS 1993). Populations are known from Ventura, Los Angeles, Riverside, and San Diego Counties, and Baja California. This species is known to occur within eight pool complexes in Otay Mesa. (AECOM 2012). California Orcutt grass grows in vernal pools below 2,100 feet elevation, preferring deeper pools (USFWS 1993). Information regarding the occurrence of this species is from the AECOM (2012), CNDDB (State of California 2012a) and PBS&J (2004).

Otay mesa mint (*Pogogyne nudiuscula*). Otay mesa mint is state and federally listed as endangered (State of California 2012b). It has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). This aromatic annual herb in the mint family (Lamiaceae) may grow one foot tall and produces bright purple flowers in May

and June (Munz 1974). Historical populations were believed to occur at 10 locations in San Diego County, including University Heights, Balboa Park, and Mission Valley. However, it was later determined that these populations were San Diego Mesa mint. Currently, Otay mesa mint is known to occur in 398 vernal pools in seven vernal pool complexes in Otay Mesa (Cavallaro et al. 2012). Otay mesa mint occurs in vernal pools in grassland and chamise chaparral habitat with mima mound topography, usually on Stockpen gravelly clay loam soil. Otay mesa mint can be distinguished from the related San Diego mesa mint by its straighter, stouter stems, lack of hairs (generally) and wider (4 to 8 inches) inflorescence (Hickman 1993). Otay mesa mint is considered to be declining due to urbanization, livestock grazing, agricultural conversion, vehicles, invasive species, and trash dumping (CNPS 2012). Information regarding the occurrence of this species is from AECOM (2012), Alden (2012), PBS&J (2004), and City of San Diego (2003).

Small-leaved rose (*Rosa minutifolia*). Small-leaved rose is state listed as endangered (State of California 2012b). It is covered under the MSCP and has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). This dense, thorny shrub in the rose family (Rosaceae) grows one to three feet tall and produces pinkish flowers from January to June (Hickman 1993, Wiggins 1980). Small-leaved rose is found in Baja California and San Diego County. Its range is mostly in Baja California, from near Ensenada south and east to Misión de San Fernando, with a single disjunct occurrence on Otay Mesa. These plants were removed to allow construction of a residential development and cuttings were taken and transplanted into a nearby reserve (Reiser 2001). The habitat of small-leaved rose is generally chaparral below 500 feet elevation (Hickman 1993) on mesas, hillsides and arroyos within a few miles of the coast (Wiggins 1980), but the United States population had been found on the edge of north-facing Diegan coastal sage scrub (Reiser 2001). Small-leaved rose can be distinguished from all other members of the genus *Rosa* by it leaflets, which are less than 0.4 inches long and have toothed edges that extend halfway to the leaflet base (Hickman 1993). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

3.3.2.2 Other Sensitive Species

California adolphia (*Adolphia californica*). California adolphia has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (CNPS 2012). This small shrub in the buckthorn family (Rhamnaceae) flowers from December to April and loses its leaves in late summer and fall. Its spiny stems are identifiable at close range year-round, however. This species generally occurs in Diegan coastal sage scrub, near the edge of chaparral, particularly in dry canyons or washes. It is associated with San Miguel and Friant soils (Reiser 2001). Its range is limited to San Diego County and northern Baja

California, Mexico at elevations below 1,000 feet. In San Diego County, it is found from the Carlsbad area south into the Proctor Valley and the Otay area (Beauchamp 1986). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a) and PBS&J (2004).

San Diego bur-sage (*Ambrosia chenopodiifolia*). San Diego bur-sage has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (CNPS 2012). This perennial shrub in the sunflower family (Asteraceae) has hairy grayish leaves and flowers from April to June. Its range is restricted to extreme southern San Diego County, near Otay Mesa, and northern Baja California, Mexico. It is generally found in dry, fairly open, Diegan coastal sage scrub vegetation below 600 feet elevation, where it often grows in association with low-growing California sagebrush and black sage (*Salvia mellifera*). It has been found on Olivenhain cobbly loam soil (Reiser 2001). Information regarding the occurrence of this species is from the Alden (2012), CNDDB (State of California 2012a) and PBS&J (2004).

South coast saltbush (*Atriplex pacifica*). South coast saltbush has a CNPS Rare Plant Ranking of 1B.2 (rare, threatened, or endangered in California and elsewhere; fairly endangered in California) (CNPS 2012). This annual herb in the goosefoot family (Chenopodiaceae) flowers from March through October. Typically it is found in open Diegan coastal sage scrub dominated by California sagebrush and may occur in mildly disturbed areas (Reiser 2001). It ranges from Orange County to Sonora, Mexico, with known occurrences on San Clemente and Santa Catalina islands. Information regarding the occurrence of this species is from Reiser (2001).

San Diego County viguiera (*Bahiopsis* [=*Viguiera*] *laciniata*). San Diego County viguiera has a CNPS Rare Plant Ranking of 4.2 (uncommon in California; fairly endangered in California) (CNPS 2012). San Diego County viguiera is a shrub in the Composite Family (Asteraceae) that is restricted to San Diego County and northern Baja California and Sonora, Mexico. This shrub may reach five feet in height and flowers between February and June. It is a dominant shrub in coastal sage scrub in inland southern San Diego County, and is known from hundreds of locations. It may also occur in chaparral below 2,500 feet. Information regarding the occurrence of this species is from Alden (2012) and PBS&J (2004).

Golden-spined cereus (*Bergerocactus emoryi*). Golden-spined cereus has a CNPS Rare Plant Ranking of 2.2 (Rare, threatened, or endangered in California, but more common elsewhere; fairly endangered in California) (CNPS 2012). This low-growing cactus (Cactaceae) has cylindrical stems and flowers in May and June. Its distribution extends from San Clemente and Santa Catalina Islands into San Diego County and south to approximately El Rosario, Baja California, Mexico (Bensen 1969). In San Diego County it is limited to coastal sage and maritime succulent scrub habitats near the coast from Torrey Pines State Park south to the Mexican border (Beauchamp 1986).

Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

Cliff spurge (*Euphorbia misera*). Cliff spurge has a CNPS Rare Plant Ranking of 2.2 (rare, threatened, or endangered in California, but more common elsewhere; fairly endangered in California) (CNPS 2012). Cliff spurge is a shrub in the spurge family (Euphorbiaceae) that grows to about three feet tall and may flower from December to August. It is found coastally from Orange County south to Baja California and in the Channel Islands, with a disjunct population in the Sonoran desert near Whitewater, Riverside County. It typically occurs in coastal bluff scrub or maritime succulent scrub below 1,700 feet (CNPS 2012). The largest populations in San Diego County are found on Point Loma and Otay Mesa, with occurrences as far north as Carlsbad (Reiser 2001). Soil series associated with this species include Olivenhain cobbly loam and Gaviota fine sandy loam (Reiser 2001). This spiny, low-growing shrub with brittle branches is readily recognizable year-round. Information regarding the occurrence of this species is from the Alden (2012), CNDDB (State of California 2012a) and PBS&J (2004).

Decumbent goldenbush (*Isocoma menzezii* var. *decumbens*). Decumbent goldenbush has a CNPS Rare Plant Ranking of 1B.2 (rare, threatened, or endangered in California and elsewhere; fairly endangered in California) (CNPS 2012). This shrub is a member of the Asteraceae family that blooms from April through November. It ranges from Orange County to Baja California, Mexico, with known occurrences on San Clemente and Santa Catalina islands. Decumbent goldenbush occurs in chaparral and coastal scrub habitats, often preferring sandy substrate and disturbed areas at elevations from 30 to 400 feet AMSL. Information regarding the occurrence of this species is from PBS&J (2004) and Alden (2012).

Little mousetail (*Myosurus minimus* ssp. *apus*). Little mousetail has a CNPS Rare Plant Ranking of 3.1 (Needs review; seriously endangered in California) (CNPS 2012). This tiny annual in the crowfoot family (Ranunculaceae) grows about two inches tall and flowers in April and May. This plant ranges from Oregon to Baja California, with populations known from Riverside, San Bernardino and San Diego Counties in southern California (CNPS 2012). The general habitat for little mousetail is limited to vernal pools and grasslands on alkaline soils at elevations below 2,100 feet. In San Diego County, little mousetail grows in the deeper parts of vernal pools, sprouting immediately after the surface water has evaporated (Reiser 2001). Little mousetail is not considered a separate variety by the Jepson Manual (Hickman 1993), but is included together with *M. m.* var. *filiformis*, which had formerly been distinguished by its longer fruiting spikes, that extended beyond the leaves (Munz 1974). Both varieties occur in vernal pools in San Diego County, with little mousetail reported from the southern part of the County (National City, Proctor Valley, and Otay Mesa) and var. *filiformis* occurring from east San Diego, Kearny Mesa, Ramona, and Corte Madera (Beauchamp 1986). Information

regarding the occurrence of this species is from the CNDDB (State of California 2012a) and PBS&J (2004).

Nuttall's scrub oak (*Quercus dumosa*). Nuttall's scrub oak has a CNPS Rare Plant Ranking of 1B.1 (Rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (CNPS 2012). This evergreen shrub in the oak family (Fagaceae) grows less than ten feet tall and blooms from February to April. This species is found near the coast in Santa Barbara, Orange, and San Diego Counties, and in Baja California, Mexico at elevations below 1,300 feet. It grows in chaparral, coastal sage scrub, and closed-cone coniferous forest habitats (CNPS 2012), preferring coastal chaparral with a relatively open canopy in flat areas, but growing in dense stands on north-facing slopes (Reiser 2001). In San Diego County it is known to grow as far inland as Camp Elliot and Otay Mesa (Reiser 2001), being replaced by the similar scrub oak (*Q. berberidifolia*) in higher, drier locations (Hickman 1993). Nutall's scrub oaks can be distinguished from the scrub oak, with which it may hybridize, by its acorn, which is less than 0.4 inch wide, moderately tuberculed, with a thin cup (Hickman 1993), and by its leaves, which tend to be smaller, spinier, and more undulated (Reiser 2001) and have densely matted gray hairs (Roberts 1995). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

3.3.3 Sensitive Wildlife Species

The sensitive species below are known from the CPU area based on information obtained from the literature review. Sources include, but are not limited to, the CNDDB (State of California 2012a) and the Draft Year 4 Annual Report for Dennery Canyon Vernal Pool, Coastal Sage Scrub, and Mule Fat Scrub Restoration and Preservation Plan (RECON 2004), along with other sources listed in Attachment 2. Precise locations of sensitive wildlife species would be identified through on-site reconnaissance in conjunction with future projects. Table 4 lists the sensitive wildlife known to occur in the CPU area.

3.1.3.1 Sensitive Invertebrates

Quino checkerspot butterfly (*Euphydryas editha quino*). The Quino checkerspot butterfly is federally listed as endangered (State of California 2011a). The Quino checkerspot butterfly's historic range includes the coastal plain and inland valleys of southern California from the Santa Monica Mountains south to northern Baja California. Currently, the species is known from southern San Diego County and southwestern Riverside County. Quino checkerspot butterflies occur at several locations on Otay Mesa and Jacumba in San Diego and near Murrieta and Temecula and eastward to Hemet and Anza in Riverside (USFWS 1997a). The distribution of Quino checkerspot butterflies is primarily defined by the distribution of its principal host plant, dot-seed plantain (*Plantago erecta*). Female Quino checkerspot butterflies have also been

TABLE 4
SENSITIVE WILDLIFE SPECIES KNOWN TO OCCUR IN THE CPU AREA

Species	Status	Habitat/Comments
INVERTEBRATES		
ANOSTRACANS – Fairy Shrimp (Nomenclature from Eriksen and Belk 1999)		
San Diego fairy shrimp *Branchinecta sandiegonensis*	FE, [1], MSCP, *	Vernal pools.
Riverside fairy shrimp *Streptocephalus woottoni*	FE, [1], MSCP, *	Vernal pools, generally with a minimum depth of 30 centimeters.
NYMPHALIDAE – Brush-footed butterflies (Nomenclature from Mattoni 1990 and Opler and Wright 1999)		
Quino checkerspot butterfly *Euphydryas editha quino*	FE	Open, dry areas in foothills, mesas, lake margins. Larval host plant *Plantago erecta.* Adult emergence mid-January through April.
AMPHIBIANS (Nomenclature from Crother 2001 and Crother et al. 2003)		
PELOBATIDAE – Spadefoot Toads		
Western spadefoot *Spea hammondii*	CSC, *	Vernal pools, floodplains, and alkali flats within areas of open vegetation.
REPTILES (Nomenclature from Crother 2001 and Crother et al. 2003)		
TEIIDAE – Whiptail Lizards		
Belding's orange-throated whiptail *Aspidoscelis* [=*Cnemidophorus*] *hyperythra beldingi*	CSC, MSCP, *	Chaparral, coastal sage scrub with coarse sandy soils and scattered brush.
SCINCIDAE – Skinks		
Coronado skink *Eumeces skiltonianus interparietalis*	CSC	Grasslands, open woodlands and forest, broken chaparral. Rocky habitats near streams.
IGUANIDAE – Iguanid lizards		
San Diego horned lizard *Phrynosoma coronatum* (San Diego/blainvillii population)	CSC, MSCP	Chaparral, coastal sage scrub with fine, loose soil. Partially dependent on harvester ants for forage.
CROTALIDAE – Rattlesnakes		
Red diamond rattlesnake *Crotalus ruber*	CSC	Desert scrub and riparian, coastal sage scrub, open chaparral, grassland, and agricultural fields.
COLUBRIDAE – Colubrid Snakes		
Two-striped gartersnake *Thamnophis hammondii*	CSC, *	Permanent freshwater streams with rocky bottoms. Mesic areas.

TABLE 4
SENSITIVE WILDLIFE SPECIES KNOWN TO OCCUR IN THE CPU AREA
(continued)

Species	Status	Habitat/Comments
BIRDS (Nomenclature from American Ornithologists' Union 1998 and 2005 and Unitt 2004)		
ARDEIDAE – Herons and Bitterns		
Great egret (rookery site) *Ardea alba egretta*	*	Lagoons, bays, estuaries. Ponds and lakes in the coastal lowland. Winter visitor, uncommon in summer.
Black-crowned night heron (rookery site) *Nycticorax nycticorax hoactli*	*	Lagoons, estuaries, bayshores, ponds, and lakes. Often roost in trees. Year-round visitor. Localized breeding.
ACCIPITRIDAE – Hawks, Kites, and Eagles		
White-tailed kite (nesting) *Elanus leucurus majusculus*	CFP	Nest in riparian woodland, oaks, sycamores. Forage in open, grassy areas. Year-round resident.
Northern harrier (nesting) *Circus cyaneus hudsonius*	CSC, MSCP, *	Coastal lowland, marshes, grassland, agricultural fields. Migrant and winter resident, rare summer resident.
Cooper's hawk (nesting) *Accipiter cooperi*	MSCP, *	Mature forest, open woodlands, wood edges, river groves. Parks and residential areas. Year-round resident.
Golden eagle (nesting and wintering) *Aquila chrysaetos*	CFP, BEPA, CSC, BCC, MSCP, *	Require vast foraging areas in grassland, broken chaparral, or sage scrub. Nest in cliffs and trees. Uncommon resident.
FALCONIDAE – Falcons and Caracaras		
Prairie falcon (nesting) *Falco mexicanus*	*	Grassland, agricultural fields, desert scrub. Uncommon migrant and winter visitor.
STRIGIDAE – Typical Owls		
Western burrowing owl (burrow sites) *Athene cunicularia hypugaea*	CSC, MSCP, BCC, *	Grassland, agricultural land, coastal dunes. Require rodent burrows. Resident of the coastal lowland and agricultural areas of Imperial County.
LANIIDAE – Shrikes		
Loggerhead shrike *Lanius ludovicianus*	CSC, BCC, *	Open foraging areas near scattered bushes and low trees; agriculture, desert wash/scrub, grassland. Fairly common resident.
VIREONIDAE - Vireos		
Least Bell's vireo (nesting) *Vireo bellii pusillus*	FE, SE, MSCP, BCC, *	Willow riparian woodlands. Migrant and summer resident.
ALAUDIDAE - Larks		
California horned lark *Eremophila alpestris actia*	*	Sandy shores, mesas, disturbed areas, grasslands, agricultural lands, sparse creosote bush scrub. Common breeding resident, abundant migrant and winter visitor.

TABLE 4
SENSITIVE WILDLIFE SPECIES KNOWN TO OCCUR IN THE CPU AREA
(continued)

Species	Status	Habitat/Comments
TROGLODYTIDAE – Wrens		
Coastal cactus wren *Campylorhynchus brunneicapillus*	CSC, MSCP, *	Maritime succulent scrub, coastal sage scrub and desert scrub with *Opuntia* thickets. Rare localized resident.
SYLVIIDAE – Gnatcatchers		
Coastal California gnatcatcher *Polioptila californica californica*	FT, CSC, MSCP, *	Coastal sage scrub, maritime succulent scrub. Resident.
PARULIDAE – Wood Warblers		
Yellow-breasted chat (nesting) *Icteria virens auricollis*	CSC, *	Breeding restricted to dense riparian woodland. Localized summer resident.
EMBERIZIDAE – Emberizids		
Southern California rufous-crowned sparrow *Aimophila ruficeps canescens*	MSCP, *	Coastal sage scrub, chaparral, grassland; favors steep and rocky areas. Localized resident.
Grasshopper sparrow (nesting) *Ammodramus savannarum perpallidus*	*	Tall grass areas. Localized summer resident, rare in winter.
MAMMALS (Nomenclature from Baker et al. 2003 and Hall 1981)		
LEPORIDAE – Rabbits and Hares		
San Diego black-tailed jackrabbit *Lepus californicus bennettii*	CSC, *	Open areas of scrub, grasslands, agricultural fields.
HETEROMYIDAE – Pocket Mice and Kangaroo Rats		
Northwestern San Diego pocket mouse *Chaetodipus fallax fallax*	CSC, *	San Diego County west of mountains in sparse, disturbed coastal sage scrub or grasslands with sandy soils.
CRICETIDAE – New World Mice and Rats		
San Diego desert woodrat *Neotoma lepida intermedia*	CSC, *	Coastal sage scrub and chaparral.

[1]The City of San Diego relinquished federal coverage for the seven vernal pool species, including San Diego and Riverside fairy shrimp. The City of San Diego still retains State coverage for these seven vernal pool species.

TABLE 4
SENSITIVE WILDLIFE SPECIES KNOWN TO OCCUR IN THE CPU AREA
(continued)

STATUS CODES

Listed/Proposed
FE = Listed as endangered by the federal government
FT = Listed as threatened by the federal government
SE = Listed as endangered by the State of California

Other
BCC = U.S. Fish and Wildlife Service Birds of Conservation Concern species
BEPA = Bald and Golden Eagle Protection Act
CFP = California fully protected species
CSC = California Department of Fish and Game species of special concern
MSCP = Multiple Species Conservation Program covered species
* = Taxa listed with an asterisk fall into one or more of the following categories:

- Taxa considered endangered or rare under Section 15380(d) of CEQA guidelines
- Taxa that are biologically rare, very restricted in distribution, or declining throughout their range
- Population(s) in California that may be peripheral to the major portion of a taxon's range, but which are threatened with extirpation within California
- Taxa closely associated with a habitat that is declining in California at an alarming rate (e.g., wetlands, riparian, old growth forests, desert aquatic systems, native grasslands)

observed depositing eggs on woolly plantain (*Plantago patagonia*), white snapdragon (*Antirrhinum coulterianum*), and thread-leaved bird's beak (*Cordylanthus rigidus*) (USFWS 2002b). It is possible that members of the figwort family (Scrophulariaceae), including purple owl's clover (*Castilleja exserta*), are also used (Brown 1991; Mattoni et al. 1997). Threats to this species include habitat loss, fragmentation, and habitat type conversion. In April 2002, the USFWS designated critical habitat for the Quino checkerspot butterfly in portions of San Diego and Riverside Counties (USFWS 2002b). A portion of the designated critical habitat for the Quino checkerspot butterfly occurs within the CPU area (Figure 6). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), Alden (2012), and RECON (2004).

Riverside fairy shrimp. The Riverside fairy shrimp is federally listed as endangered and is an MSCP covered species (City of San Diego 1997, State of California 2011a). This species occurs in vernal pools, pool-like ephemeral ponds, and human-modified depressions from Orange, San Diego, and western Riverside Counties south to into Baja California, Mexico, and has the most restricted range of any fairy shrimp found in California (USFWS 1993; Eng et al. 1990). They are known to occur within 215 vernal pools in 11 vernal pool complexes in Otay Mesa (AECOM 2012). Riverside fairy shrimp are typically found in pools that are greater than 30 centimeters deep. Riverside fairy shrimp can require over 21 days of inundation to emerge. The species hatches in 7 to 12 days and develops to the adult stage in 48 to 56 days, depending on water temperature. The primary threats to this species are habitat destruction and fragmentation, alterations of wetland hydrology, off-road activity, and grazing. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), AECOM (2012), RECON (2004), Alden (2012), and PBS&J (2004).

San Diego fairy shrimp. The San Diego fairy shrimp is federally listed as endangered and is an MSCP covered species (City of San Diego 1997; State of California 2011a). This fairy shrimp occurs in limited populations in Santa Barbara and Orange Counties and in San Diego County from San Marcos and Ramona south to Otay Mesa and into northwestern Baja California, Mexico, at Valle de Las Palmas (USFWS 1997b). The majority of San Diego fairy shrimp populations are located San Diego County. San Diego fairy shrimp are known to occur within 512 vernal pools in Otay Mesa (AECOM 2012). San Diego fairy shrimp are restricted to vernal pools and prefer cool water temperatures. This species can also be found in ditches and road ruts that are located in degraded vernal pool habitat. Fairy shrimp remain dormant in cysts until pools fill during the rainy season. Nauplii emerge from cysts and develop into adults sometime between mid-December and early May (Eriksen and Belk 1999). Development takes between 10 to 20 days and is dependent on water temperature. Primary threats to this species are habitat destruction and fragmentation, alterations of wetland hydrology, off-road vehicle activity, and grazing (USFWS 1997b). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), RECON (2004), Alden (2012), and PBS&J (2004).

3.1.3.2 Sensitive Amphibians

Western spadefoot (*Spea hammondii*). The western spadefoot is a CDFW species of special concern (State of California 2011b). This species ranges from central northern California through the Coast Ranges from San Francisco and south into Baja California, Mexico, at elevations from sea level to 4,500 feet (Stebbins 1985; Zeiner et al. 1988). Habitat for the western spadefoot includes lowlands, washes, floodplains of rivers, alluvial fans, alkali flats, temporary ponds, and vernal pools. Although this species is generally found in areas of open vegetation with sandy or gravelly soil (Stebbins 1985), it has been observed in vernal pools containing clay soils on Otay Mesa (RECON 2004). Surface activity can occur from October through April depending on rainfall, and oviposition occurs between late February and May (Jennings and Hayes 1994). The western spadefoot diet consists of crickets, butterflies, ants, flies, and earthworms (Morey and Gullin, as cited in Jennings and Hayes 1994). Decline in western spadefoot populations is primarily due to habitat loss and fragmentation and possibly pesticide use. Information regarding the occurrence of this species is from RECON (2004) and Alden (2012).

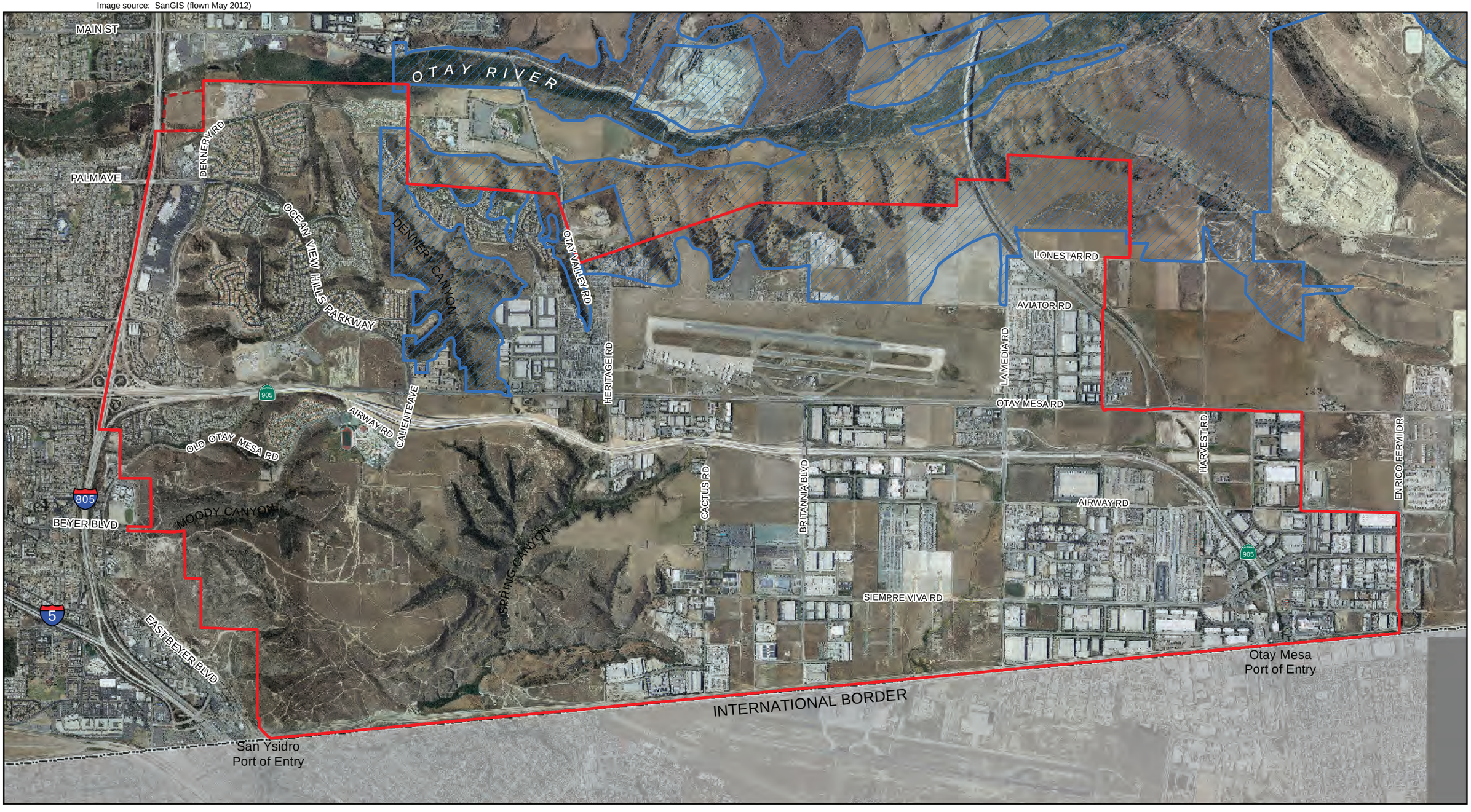
3.1.3.3 Sensitive Reptiles

a. MSCP Covered Species

Belding's orange-throated whiptail (*Aspidoscelis* [=*Cnemidophorus*] *hyperythrus beldingi*). Belding's orange-throated whiptail is an MSCP covered species and a CDFW species of special concern (City of San Diego 1997, State of California 2011b). This lizard occurs from southwestern San Bernardino County south into Baja California at elevations from sea level to 3,500 feet. Belding's orange-throated whiptail frequents areas of open coastal sage scrub, chaparral, and streamside growth with loose sandy soils (Stebbins 1985). Belding's orange-throated whiptail typically hibernates during winter, emerging in February or March, but can be active year-round providing temperatures are warm (Jennings and Hayes 1994). Breeding occurs from May through July. Belding's orange-throated whiptails feed primarily on insects such as termites (*Reticulitermes* spp.). The decline of this species is attributed to the loss of coastal sage scrub in southern California. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a) and PBS&J (2004).

San Diego horned lizard (*Phrynosoma coronatum blainvillii*). The San Diego horned lizard is an MSCP covered species and a CDFW species of special concern (City of San Diego 1997, State of California 2011b). This lizard ranges from coastal southern California to the desert foothills and into Baja California. In San Diego County, it has a wide range but spotty distribution. It is often associated with coastal sage scrub, especially areas of level to gently sloping ground, with well-drained loose or sandy soil, but can also be found in annual grasslands, chaparral, oak woodland, riparian

Image source: SanGIS (flown May 2012)



0 Feet 2,500

Otay Mesa Community Plan Boundary
Not A Part
USFWS Critical Habitat for the Quino Checkerspot Butterfly

FIGURE 6
Location of Designated Critical Habitat
for the Quino Checkerspot Butterfly
within the Otay Mesa Community Plan Boundary

RECON

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woodland, and coniferous forest (Mills 1991, Jennings and Hayes 1994). This animal usually avoids dense vegetation, preferring 20 to 40 percent bare ground in its habitat. Where it can be found, the San Diego horned lizard can be locally abundant, with densities up to 20 adults per acre. Adults are active from late March to late August; young are active from August to November or December. They are largely dependent upon native harvester ants (*Pogonomyrmex* spp.) for food. Populations along the coast and inland have been severely reduced by loss of habitat. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

b. Other Sensitive Species

Coronado skink (*Eumeces skiltonianus interparietalis*). The Coronado skink is a CDFW species of special concern (State of California 2011b). The Coronado skink ranges from central Riverside County south to Baja California, Mexico (Jennings and Hayes 1994). In San Diego County, the Coronado skink is found in a variety of plant communities including grassland, open woodland, forest, and broken chaparral habitats and is often associated with mesic areas. The Coronado skink is diurnal and most active from early spring until fall; breeding occurs in June or July (Zweifel 1952; Jennings and Hayes 1994). The diet of the Coronado skink consists of moths, beetles, crickets, grasshoppers, and leafhoppers. This species is threatened by habitat loss and fragmentation resulting from urbanization and agriculture. Information regarding the occurrence of this species is from RECON (2004).

Two-striped garter snake (*Thamnophis hammondii*). The two-striped garter snake is a CDFW species of special concern (State of California 2011b). The two-striped garter snake ranges from San Luis Obispo County south to El Rosario in Baja California, Mexico, from sea level to 8,000 feet (Jennings and Hayes 1994). They are normally found in or near permanent fresh water, inhabiting streams, ponds, and lakes throughout their range (Stebbins 1985) and can even be found in temporary bodies of water such as vernal pools. The two-striped garter snake inhabits riparian areas during summer months and occupies adjacent coastal sage scrub and grasslands during the winter (Jennings and Hayes 1994). The two-striped garter begins breeding in April and continues throughout the summer months. Adults feed on tadpoles, toads, insect larvae, fish, fish eggs, and earthworms. Population declines in the two-striped garter snake are generally attributable to impacts related to the loss of natural wetlands and increased development near and in suitable habitat. Information regarding the occurrence of this species is from RECON (2004).

Red diamond rattlesnake (*Crotalus ruber*). The red diamond rattlesnake is a CDFW species of special concern (State of California 2011b). This species occurs on both sides of the Peninsular Ranges of southwestern California from San Bernardino County south to Baja California, Mexico. Red diamond rattlesnakes inhabit coastal sage scrub, desert scrub, open chaparral, woodland, and grassland habitats, with a preference for rock outcrops as well as agricultural fields from sea level to 4,000 feet (Stebbins 1985).

Red diamond rattlesnakes are active year-round with peak activity occurring in April and May (Jennings and Hayes 1994). Breeding occurs from February through September. Their diet consists principally of small mammals, lizards, birds, and other snakes. Population declines of the red diamond rattlesnake are generally attributable to a reduction of habitat in the snake's restricted range due to urbanization and agriculture. Information regarding the occurrence of this species is from RECON (2004).

3.1.3.4 Sensitive Birds

a. Listed and MSCP Covered Species

Cooper's hawk (*Accipiter cooperi*). The Cooper's hawk is an MSCP covered species (City of San Diego 1997). Cooper's hawk nesting sites are considered sensitive by CDFW (CDFW 1991). The Cooper's hawk ranges year-round throughout most of the United States; its wintering range extends south to Central America and its breeding range extends north to southern Canada (Rosenfeld and Bielefeldt 1993). It is considered an uncommon resident during the breeding season in southern California, with numbers increasing in winter (Garrett and Dunn 1981). This hawk mainly breeds in oak and willow riparian woodlands but will also use eucalyptus trees. Breeding occurs from March to July. This hawk forages primarily on medium-sized birds but is also known to eat small mammals such as chipmunks and other rodents (Rosenfeld and Bielefeldt 1993). Urbanization and loss of habitat have caused the decline of this species. Information regarding the occurrence of this species is from RECON (2004), PBS&J (2004), and Alden (2012).

Golden eagle (*Aquila chrysaetos*). The golden eagle is a federally protected species under the Bald and Golden Eagle Protection Act, a State of California fully protected species, and an MSCP covered species (City of San Diego 1997, State of California 2011b). This eagle occurs throughout the United States and is an uncommon resident in San Diego County. Golden eagles forage over large areas of grassland and open chaparral or sage scrub where they primarily prey upon rabbits and ground squirrels. The nesting population in San Diego County is concentrated in the foothill zone and coastal lowlands. Golden eagles nest on cliffs or in large trees. Several golden eagle territories in the coastal lowland have been eliminated by urbanization, agricultural development, and other human disturbances (Unitt 2004). Information regarding the occurrence of this species is from RECON (2004) and PBS&J (2004).

Western burrowing owl (*Athene cunicularia hypugaea*). The western burrowing owl is a CDFW species of special concern and an MSCP covered species (City of San Diego 1997, State of California 2011b). The western burrowing owl is primarily restricted to the western United States and Mexico. Breeding burrowing owls remain in only five areas in San Diego County. The largest population of breeding burrowing owls occurs

on Otay Mesa, with the greatest concentration near the mesa's east end near the base of Otay Mountain (Unitt 2004).

Habitat for the western burrowing owl includes dry, open, short-grass areas often associated with burrowing mammals (Haug et al. 1993). A year-round resident in San Diego County, the burrowing owl ranges throughout the coastal lowlands in grasslands, agricultural areas, and coastal dunes (Unitt 2004). The grasslands in the Otay Mesa area are important to the survival and maintenance of the burrowing owl population in southern of San Diego County.

The burrowing owl is nocturnal and perches during daylight at the entrance to its burrow or on low posts. Nesting occurs from March through August. Burrowing owls form a pair-bond for more than one year and exhibit high site fidelity, reusing the same burrow year after year (Haug et al. 1993). The female remains inside the burrow during most of the egg laying and incubation period and is fed by the male throughout brooding. When disturbed within their burrows, burrowing owls mimic the sound of a rattlesnake rattling (Ehrlich et al. 1988). Western burrowing owls are opportunistic feeders, consuming a diet that includes arthropods, small mammals, and birds, and occasionally amphibians and reptiles (Haug et al. 1993). Urbanization has greatly reduced the amount of suitable habitat for this species. Other contributions to the decline of this species include the poisoning of squirrels and prairie dogs and collisions with automobiles. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), City of San Diego (2011a), RECON (2004), PBS&J (2004), and Alden (2012).

Coastal cactus wren (*Campylorhynchus brunneicapillus couesi*). The coastal cactus wren is a CDFW species of concern and an MSCP covered species (City of San Diego 1997, State of California 2011b). This species ranges from southern Orange County through San Diego County into extreme northwestern Baja California (Proudfoot et al. 2000). Year-round residents, coastal cactus wrens inhabit coastal lowlands containing thickets of cholla and prickly pear cactus in coastal sage and maritime succulent scrub (Unitt 2004). Coastal cactus wrens build their nests in the cactus and males often build secondary nests, used for roosting by adults and fledglings and nesting for subsequent broods (Proudfoot et al. 2000). Nesting occurs from March through July; fledglings remain in the nest until September. Their diet consists mainly of grasshoppers, beetles, ants, wasps, butterflies, moths, spiders, and occasionally vegetation, reptiles, and amphibians (Proudfoot et al. 2000). The primary cause for the decline of this species is degradation and loss of breeding habitat loss due to urbanization. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a) and PBS&J (2004).

Northern harrier (*Circus cyaneus hudsonius*). The northern harrier is a CDFW species of special concern and an MSCP covered species (City of San Diego 1997, State of California 2011b). In addition, their nesting sites are considered sensitive by CDFW. Northern harriers winter throughout most of North America from southern

Canada to Central America and the Caribbean Islands (MacWhirter and Bildstein 1996). Their breeding range extends from Canada and Alaska to the northwestern United States, with some year-round residents in coastal California and northern Baja California. In San Diego County, the northern harrier is a fairly common migrant in the winter and a rare summer breeder (Unitt 2004). The northern harrier most commonly nests on the ground at the edge of marshes but will also nest on grasslands, in fields, or in areas of sparse shrubs (MacWhirter and Bildstein 1996). The northern harrier hovers close to the ground while foraging in grasslands, agricultural fields, and coastal marshes. Their diet consists of small- and medium-sized rodents, birds, reptiles, and frogs. The range of this species has been reduced due to urbanization and agricultural development. Information regarding the occurrence of this species is from RECON (2004), PBS&J (2004), and Alden (2012).

Coastal California gnatcatcher (*Polioptila californica californica*). The coastal California gnatcatcher is federally listed as threatened, a CDFW species of special concern, and an MSCP covered species (City of San Diego 1997; State of California 2011a). The coastal California gnatcatcher is a nonmigratory, resident species found on the coastal slopes of southern California, ranging from Ventura County southward through Los Angeles, Orange, Riverside, and San Diego Counties into Baja California, Mexico (Atwood and Bontrager 2001). Coastal California gnatcatchers typically occur in or near sage scrub habitat, although chaparral, grassland, and riparian woodland habitats are used where they occur adjacent to sage scrub. Breeding occurs from February through August, and nests are constructed most often in California sagebrush. The coastal California gnatcatcher diet consists mainly of sessile small arthropods, such as leafhoppers, spiders, beetles, and true bugs (Atwood and Bontrager 2001). The primary cause of decline in the coastal California gnatcatcher is due to habitat loss and degradation. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a), RECON (2004), PBS&J (2004), and Alden (2012).

Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*). The southern California rufous-crowned sparrow is an MSCP covered species (City of San Diego 1997). This subspecies of rufous-crowned sparrow is a resident and ranges throughout southern California from Los Angeles County to Baja California, Mexico (Collins 1999). Southern California rufous-crowned sparrows are found in chaparral and coastal sage scrub habitats and occasionally in grasslands adjacent to these habitats. The species exhibits a strong preference for moderate to steep, dry, rocky slopes interspersed with grasses and rock outcrops (Unitt 2004; Collins 1999). Breeding occurs from March through June and pair bonds are formed that may last year-round (Collins 1999). Their diet consists primarily of seeds, stems, and shoots and extends to insects during spring and summer months (Wolf 1977). Urbanization, range restrictions, and loss of habitat have decreased the amount of suitable habitat for southern California rufous-crowned sparrows. Information regarding the occurrence of this species is from RECON (2004), PBS&J (2004), and Alden (2012).

Least Bell's vireo (*Vireo bellii pusillus*). The least Bell's vireo is federally and state listed as endangered and is an MSCP covered species (City of San Diego 1997; State of California 2011a). Its historical breeding range once extended from northwestern Baja California, Mexico, to interior northern California, as far north as Red Bluff in Tehama County, California (Franzreb 1989). Its current distribution is now restricted to eight southern counties, the majority occurring in San Diego County (USFWS 1998). Least Bell's vireo winters in Mexico and breeds in southern California and northern Baja California, Mexico. The species is exclusively found in riparian habitats, including cottonwood-willow woodlands and forests, oak woodlands, and mule fat scrub, and requires dense cover for nesting (USFWS 1998). Least Bell's vireo arrives at the breeding grounds in mid-March and remains until September or October. Their diet consists primarily of insects and spiders and some fruit (Brown 1993). Populations of least Bell's vireo have declined drastically due to extensive loss of riparian habitat to agricultural and urban development, including channelization and mining of streams, and nest parasitism by brown-headed cowbirds (*Molothrus ater*). However, the population has increased as a result of extensive brown-headed cowbird trapping programs. This species occur just north of the Otay Mesa Community CPU area (State of California 2012a). Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

b. Other Sensitive Species

Great egret (*Ardea alba egretta*). Great egret rookery sites are considered sensitive by CDFW (State of California 2011b). Distributed throughout the U.S. and Mexico, the great egret is usually found near seashores, streams, ponds, salt- and freshwater marshes, mudflats, and swamps. This species is a common breeding resident at the Salton Sea and the Colorado River. Great egrets nest in colonies with other herons, ibises, and cormorants, or singly. Nests consist of a frail platform of sticks, twigs, and reeds, placed in a tree or shrub 8 to 40 feet above the ground or in cattails 1 to 4 feet above water. The great egret forages in shallow water for small fish and amphibians and also on land for insects, reptiles, and small mammals. They may feed solitarily or in large groups when food is concentrated. Great egret populations were decimated by plume hunters in the late 1800s and by DDT during the 1950s and 1960s. Clutch and brood sizes have increased since the 1972 ban in DDT, and the population is expanding (Stokes and Stokes 1996). Information regarding the occurrence of this species is from PBS&J (2004).

Black-crowned night heron (*Nycticorax nycticorax*). Black-crowned night heron nesting colonies are considered sensitive by CDFW (State of California 2011b). Black-crowned night herons have an extremely large range, occurring on all continents except Australia and Antarctica. Black-crowned night herons are historically common in fresh, brackish, and saltwater habitats throughout San Diego County and are known to nest at Naval Base Point Loma. Breeding typically occurs between January and June. Their diet

includes a variety of food sources from leeches and earthworms to insects, fish, crustaceans, amphibians, and reptiles (Davis 1993). Threats to the black-crowned heron include loss of foraging and nesting habitat. Information regarding the occurrence of this species is from PBS&J (2004).

White-tailed kite (*Elanus leucurus*). The white-tailed kite is a California fully protected species (State of California 2011b). This raptor occurs in coastal lowland areas from Oregon to northern Baja California, Mexico (National Geographic Society 1983). Nesting sites of white-tailed kites are considered sensitive. This resident bird nests in riparian woodlands, oaks, or sycamore groves that border grassland or open fields (Unitt 2004). The white-tailed kite forages over open areas and grasslands feeding primarily on small rodents and insects (National Geographic Society 1983). This species is known to roost in large communal groups (Unitt 2004). White-tailed kite populations in southern California have declined due to the loss of nesting and foraging habitat. Information regarding the occurrence of this species is from RECON (2004) and PBS&J (2004).

Prairie falcon (*Falco mexicanus*). The prairie falcon has no official resource agency status but is on the CDFW watch list and is a USFWS bird of conservation concern. This falcon ranges from the southeastern deserts northwest along the inner Coast Ranges and Sierra Nevada. The prairie falcon is both a permanent resident and occasional migrant in San Diego County. The bird is associated primarily with perennial grasslands, savannahs, rangeland, agricultural fields, and desert scrub areas but has also been observed using annual grasslands and alpine meadows. This species nests on cliff ledges and occasionally in rock crevices. Threats to prairie falcon populations in California include increased pesticide use, falconry, and outdoor recreational activities (Zeiner et al. 1990). Information regarding the occurrence of this species is from PBS&J (2004) and Alden (2012).

California horned lark (*Eremophila alpestris actia*). The California horned lark has no official resource agency status but is on the CDFW watch list (State of California 2011b). Its range is limited to the coastal slopes of California from Sonoma County to San Diego County and includes most of the San Joaquin Valley at elevations for sea level to 8,500 feet and can occur as high as 11,500 feet in the San Bernardino Mountains (Small 1994). In San Diego County, the California horned lark typically inhabits areas with sparse vegetation, including sandy shores, grasslands, mesas, and agricultural lands. Breeding occurs during the months of March through July with peak activity occurring in May. California horned larks forage by walking and running on the ground, from a diet of spiders, insects and insect larvae, snails, buds, berries, waste grains, and seeds from grasses, weeds, and forbs (Green 1990). Horned larks usually forage in flocks except during nesting. Decline of this species is generally attributed to loss of habitat, urbanization, and human disturbance. Information regarding the occurrence of this species is from the City of San Diego (2011a) and PBS&J (2004).

Loggerhead shrike (*Lanius ludovicianus*). The loggerhead shrike is a CDFW species of special concern and USFWS bird of conservation concern (State of California 2011b). This species inhabits most of the continental United States and Mexico and is a year-round resident of southern California. The loggerhead shrike prefers open habitat with perches for hunting and fairly dense shrubs for nesting (Yosef 1996). In southern California, loggerhead shrikes inhabit grasslands, agricultural fields, chaparral, and desert scrub (Unitt 2004). Loggerhead shrikes are highly territorial and usually live in pairs in permanent territories (Yosef 1996). Loggerhead shrikes feed on small reptiles, mammals, amphibians, and insects that they often impale on sticks or thorns before eating. Loggerhead shrike populations are declining, likely due to urbanization and loss of habitat and, to a lesser degree, pesticide use (Yosef 1996). Information regarding the occurrence of this species is from RECON (2004) and PBS&J (2004).

Yellow-breasted chat (*Icteria virens*). The yellow-breasted chat is a CDFW species of special concern (State of California 2011b). Yellow-breasted chat breeding range extends from southern California south to central Mexico, including most of the United States (Eckerle and Thompson 2001). Breeding occurs in dense brush or scrub, usually along streams or marshy areas with dense riparian woodlands. Yellow-breasted chats arrive in California to breed during April or May. Their diet consists mainly of insects and berries (Eckerle and Thompson 2001). Destruction of riparian woodlands by development and other human activities has caused population declines and it is possible that brown-headed cowbird parasitism may also have contributed to the decline of the species. Information regarding the occurrence of this species is from PBS&J (2004).

Grasshopper sparrow (*Ammodramus savannarum*). The grasshopper sparrow has no official resource agency status but is considered locally sensitive. Grasshopper sparrows are a localized summer resident in San Diego County and very rare in winter (Unitt 2004). This species has a patchy distribution within grasslands along coastal California and the foothills of the Sierra Nevada. This species breeds in grasslands, cultivated fields, and prairies and has two broods per year. Its diet consists of invertebrates and the seeds of grass and forbs. Threats to this species include predation and habitat loss and modification (Ehrlich et al. 1988). Information regarding the occurrence of this species is from PBS&J (2004) and Alden (2012).

3.1.3.5 Sensitive Mammals

Northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*). The northwestern San Diego pocket mouse is a California species of special concern (State of California 2011b). It ranges from Los Angeles County and extreme southern San Bernardino County southward into west-central Baja California, Mexico (Hall 1981). In San Diego County, the northwestern San Diego pocket mouse is known from Del Mar, Dulzura, Jacumba, Lake Hodges, Pala, San Diego, and San Marcos (Bond 1977).

Habitat for this species is most often sparse or disturbed coastal sage scrub or grasslands with sandy soils. Breeding occurs from March to May. The northwestern San Diego pocket mouse diet consists of seeds from forbs, shrubs, and grasses (Brylski 1983). Threats to this species include degradation of habitat and loss of habitat from development. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a).

San Diego desert woodrat (*Neotoma lepida intermedia*). The San Diego desert woodrat is a CDFW species of special concern (State of California 2011b). Its range extends through coastal areas from San Luis Obispo well into Baja California, inland to the San Bernardino Mountains and Julian (Hall 1981). The San Diego desert woodrat occurs west of the mountains in San Diego County within chaparral areas with a preference for rock outcrops (Bond 1977). The middens (nests) of this species can be occupied by multiple generations and have been documented as old as 200 to 400 years of age. The desert woodrat is adept at moving among spiny cactuses without injury. Its diet is composed of spiny cacti along with yucca pods, bark, berries, seeds, and any available green vegetation (Whitaker 1997). Threats to this species include habitat degradation and loss of habitat. Information regarding the occurrence of this species is from the CNDDB (State of California 2012a) and RECON (2004).

San Diego black-tailed jackrabbit (*Lepus californicus bennettii*). The San Diego black-tailed jackrabbit is a CDFW species of special concern (State of California 2011b). It ranges from near Mt. Pinos (at the Kern-Ventura county line) southward and west of the Peninsular Range into Baja California (Hall 1981). This species can be found throughout southern California, with the exception of the high-altitude mountains. It occupies open or semi-open habitats (such as coastal sage scrub and open chaparral areas). Forested and thick chaparral regions are not suitable (Bond 1977). The San Diego black-tailed jackrabbit breeds throughout the year, with the greatest number of births occurring from April through May. The black-tailed jackrabbit is strictly herbivorous, preferring habitat with ample forage such as grasses and forbs. Declines in San Diego black-tailed jackrabbit populations are due to a decline in suitable habitat as a result of urban development. Information regarding the occurrence of this species is from RECON (2004), PBS&J (2004), and the CNDDB (State of California 2012a).

3.4 Jurisdictional Waters/Wetlands

Agencies with jurisdictional authority over wetlands and other jurisdictional water resources include USFWS, USACE, CDFW, RWQCB, and the City of San Diego.

There are approximately 55 acres of the CPU area that have been mapped as a wetland or water resource (e.g., riparian, vernal pool, basin with fairy shrimp, mule fat scrub, freshwater marsh, and alkali seep). An assessment of wetland (e.g., protocol wetland

delineation) and water resources would need to be made at the project-specific level for all subsequent development proposals, in order to identify any potential wetlands and other jurisdictional waters. If warranted, a formal wetland delineation would need to be conducted to identify the precise boundaries of these resources to determine the extent of the existing waters/wetlands and to accurately determine if any impacts would occur from any proposed future project.

3.4.1 U.S. Army Corps of Engineers

As stated in the federal regulations for the Clean Water Act, wetlands are defined as:

> those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances, do support a prevalence of vegetation typically adapted for life in saturated soil conditions (EPA, 40 CFR 230.3 and CE, 33 CFR 328.3).

Wetlands are delineated using three parameters: hydrophytic vegetation, wetland hydrology, and hydric soils. According to USACE, indicators for all three parameters must be present to qualify an area as a wetland.

In accordance with Section 404 of the Clean Water Act, USACE regulates the discharge of dredged or fill material into waters of the U.S. The term “waters of the United States” is defined as:

- All waters currently used, or used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters subject to the ebb and flow of the tide;
- All interstate waters including interstate wetlands;
- All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds; the use, degradation, or destruction of which could affect foreign commerce including any such waters: (1) which could be used by interstate or foreign travelers for recreational or other purposes; or (2) from which fish or shellfish are, or could be taken and sold in interstate or foreign commerce; or (3) which are used or could be used for industries in interstate commerce.;
- All other impoundments of waters otherwise as defined as waters of the United States under the definition;
- Tributaries of waters identified above;
- The territorial seas; and

- Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in the paragraphs above [33 CFR Part 328.3(a)].

USACE also requires the delineation of non-wetland jurisdictional waters. These waters must have strong hydrology indicators such as the presence of seasonal flows and an ordinary high watermark. An ordinary high watermark is defined as:

> . . . that line on the shore established by the fluctuations of water and indicated by physical characteristics such as [a] clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas (33 CFR Part 328.3).

Areas delineated as non-wetland jurisdictional waters may lack wetland vegetation or hydric soil characteristics. Hydric soil indicators may be missing, because topographic position precludes ponding and subsequent development of hydric soils. Absence of wetland vegetation can result from frequent scouring due to rapid water flow. These types of jurisdictional waters are delineated by the lateral and upstream/downstream extent of the ordinary high watermark of the particular drainage or depression.

3.4.2 U.S. Fish and Wildlife Service

Under section 7 and 10 of the Endangered Species Act, USFWS has regulatory authority over federally listed endangered or threatened plant and animal species. Specifically, section 7 requires agencies to ensure that their activities are not likely to jeopardize the continued existence of listed species or impact designated critical habitats through consultation with the Service. Under Section 7, the USFWS issues a Biological Opinion that serves as the incidental take permit (ITP) associated with a 404 permit authorized by the USACE. Under section 10(a)1(A), the USFWS requires the preparation of an HCP which accompanies the ITP to ensure that the authorized take is adequately mitigated and minimized. Therefore, impacts to any of the seven federally listed vernal pool species must be approved by USFWS, in addition to any other applicable Wildlife Agencies. A draft vernal pool HCP is currently being prepared by the City in coordination with the Wildlife Agencies. If adopted, the City would have “take” authority for the vernal pool species occurring within the HCP areas.

3.4.3 California Department of Fish and Wildlife

Under sections 1600–1607 of the Fish and Wildlife Code, CDFW regulates activities that would divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake that supports fish or wildlife. CDFW has jurisdiction over riparian habitats (e.g., riparian scrub) associated with watercourses. Jurisdictional

waters are delineated by the outer edge of riparian vegetation or at the top of the bank of streams or lakes, whichever is wider.

3.4.4 RWQCB Jurisdiction

RWQCB is the regional agency responsible for protecting water quality in California. The jurisdiction of this agency includes all waters of the state and all waters of the United States as mandated by both the federal Clean Water Act and the California Porter-Cologne Water Quality Control Act. State waters are all waters that meet one of three criteria (hydrology, hydric soils, or wetland vegetation), and generally include but are not limited to, all waters under the jurisdiction of USACE and CDFW.

3.4.5 City of San Diego

According to the City of San Diego's Municipal Code (City of San Diego 2012), wetlands are areas which are characterized by any of the following conditions: (1) all areas persistently or periodically containing naturally occurring wetland vegetation communities characteristically dominated by hydrophytic vegetation; (2) areas that have hydric soils or wetland hydrology and lack naturally occurring wetland vegetation communities because human activities have removed the historic wetland vegetation; and (3) areas lacking wetland vegetation communities, hydric soils, and wetland hydrology due to non-permitted filling of previously existing wetlands.

3.5 Wildlife Movement Corridors

Habitat linkages and wildlife corridors are defined as areas that connect suitable wildlife habitat areas in a region otherwise fragmented by rugged terrain, changes in vegetation, or human disturbance. Natural features such as canyon drainages, ridgelines, or areas with vegetation cover provide corridors for wildlife travel. Habitat linkages and wildlife corridors are important because they provide access to mates, food, and water; allow the dispersal of individuals away from high population density areas; and facilitate the exchange of genetic traits between populations. Wildlife movement corridors are considered sensitive by the City of San Diego and resource and conservation agencies.

Within the CPU area, Dennery and Spring Canyons, connected by the Otay Mesa Road culvert and State Route 905 wildlife crossing, function as the primary north-south wildlife movement corridor in western Otay Mesa. Moody Canyon is connected to the eastern side of Spring Canyon and provides east-west wildlife movement within the CPU area. Dennery Canyon connects to the Otay River Valley along the northern boundary of the CPU area. The Otay River Valley provides a major movement corridor for east-west wildlife movement north of the CPU area and provides connectivity to a larger expanse of open space.

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4.0 Regulatory Framework

4.1 Multiple Species Conservation Program

The MSCP is a comprehensive, habitat conservation planning program for San Diego County. A goal of the MSCP is to preserve a network of habitat and open space, thereby protecting biodiversity. Local jurisdictions, including the City of San Diego, implement their portions of the MSCP through subarea plans, which describe specific implementing mechanisms.

The City of San Diego's MSCP Subarea Plan was approved in March 1997. The MSCP Subarea Plan is a plan and process for the issuance of permits under the federal and state Endangered Species Act and the California Natural Communities Conservation Planning Act of 1991. The primary goal of the MSCP Subarea Plan is to conserve viable populations of sensitive species and to conserve regional biodiversity while allowing for reasonable economic growth.

In July 1997, the City of San Diego signed an Implementing Agreement (IA) with USFWS and CDFW. The IA serves as a binding contract between the City, USFWS, and CDFW that identifies the roles and responsibilities of the parties to implement the MSCP and subarea plan. The agreement became effective on July 17, 1997, and allows the City to issue Incidental Take Authorizations under the provisions of the MSCP. Applicable state and federal permits are still required for wetlands and listed species that are not covered by the MSCP.

4.1.1 Vernal Pool Lawsuit

Under the Federal Endangered Species Act (FESA), an ITP is required when non-federal activities would result in "take" of a threatened or endangered species. An ITP can be issued as a Biological Opinion under FESA Section 7 in conjunction with a 404 permit or under Section 10(A) which requires that a Habitat Conservation Plan (HCP) accompany any applications for a federal ITP. Take authorization for federally listed species covered in the HCP shall generally be effective upon approval of the HCP.

In October of 2006, Judge Brewster issued a Decision and Injunction [Case no. 98-CV-2234-B(JMA)] in a lawsuit filed by the Southwest Center for Biological Diversity against the USFWS over the issuance of an ITP under Section 10 of the ESA to the City of San Diego based upon the MSCP. The lawsuit was limited to the seven vernal pool species including two crustacean species, San Diego fairy shrimp (*Branchinecta sandiegonensis*) and Riverside fairy shrimp (*Streptocephalus wootoni*), and five plant

species: Otay mesa mint, California Orcutt grass, San Diego button celery, San Diego mesa mint (*Pogogyne abramsii)*, and spreading navarretia.

The Court enjoined the City of San Diego's ITP for all pending and future development projects where "take" of any of the seven vernal pool species may occur, including:

- Pending applications for development of land containing vernal pool habitat.
- Projects where the City has granted permits, but development had not yet occurred.
- Future development where the permittee was engaged in the destruction of vernal pool habitat.

As a result of this ruling, numerous private and public development projects which contained vernal pool resources within their project site were enjoined. The Court determined that the City and USFWS were not providing adequate coverage under the MSCP for vernal pool species. The following are the main inadequacies identified in the ruling:

- Mitigation was not beneficial and could not be modified for the life of the permit.
- Creation of vernal pools was not always feasible due to site conditions and the difficulty with creating the proper conditions to support vernal pool flora and fauna.
- Measures to determine impact allowance was arbitrary and did not provide the same level of protection for "unnatural" vernal pools.
- Funding was speculative.

All parties entered into mediation in 2007 which continued through 2009, when it ended in an impasse. During the mediation, it was determined that a Vernal Pool HCP should be prepared for the comprehensive protection of vernal pool resources. The City was awarded an Endangered Species Act Section 6 grant in 2009 for the preparation of a vernal pool HCP. In April 2010, the City entered into a Planning Agreement with the USFWS for the preparation of the vernal pool HCP. A draft vernal pool HCP is currently being prepared by the City in coordination with the Wildlife Agencies.

In April 2010, the City also relinquished federal coverage of the seven vernal pool species. In 2011, Judge Brewster vacated the 2006 ruling since the relevant portions (i.e., vernal pool species) of the City's ITP were no longer in effect. This partial relinquishment and cancellation of the ITP only applies to coverage of the seven vernal pool species; the remainder of the City's MSCP ITP was not affected. The City is still responsible for the management of vernal pool resources, including the seven vernal pool species, owned and/or conserved through the City's permitting process. State coverage of the seven vernal pool species remains in effect.

As of the date of surrender, April 20, 2010, the City has relinquished coverage and does not rely on the City's federal ITP to authorize an incidental take of the two vernal pool animal species and five vernal pool plant species. Upon completion of a HCP for vernal pools, the City would enter into an IA in order to obtain species coverage and a federal ITP for the seven vernal pool species under Section 10(A). Incidental take authorization for projects that affect the seven vernal pool species could also be authorized through a FESA Section 10(A) or through a Section 7 consultation with the USFWS, initiated as part of the 404 permit process by the USACE. A Biological Opinion is issued that serves as the ITP.

4.1.2 Multi-Habitat Planning Area

The Multi-Habitat Planning Area (MHPA) is the area within which the permanent MSCP preserve will be assembled and managed for its biological resources. Input from responsible agencies and other interested participants resulted in adoption of the City's MHPA in 1997. The City's MHPA areas are defined by "hard-line" limits, "with limited development permitted based on the development area allowance of the OR-1-2 zone [open space residential zone]" (City of San Diego 1997).

The MHPA consists of public and private lands, much of which has been conserved. Conserved lands shown on the SanGIS database (SanGIS 2013; Figure 7) include lands that have been set aside for mitigation or purchased for conservation. These lands may be owned by the City or other agencies, may have easements, may be dedicated, or may have some restrictions placed upon the property through the City's processes that protects the overall quality of the resources and prohibits development.

Private land within the MHPA is allowed only up to 25 percent development in the least sensitive area per the City's MSCP Subarea Plan. Should more than 25 percent development be desired, an MHPA boundary line adjustment may be proposed. The City's MSCP Subarea Plan states that adjustments to the MHPA boundary line are permitted without the need to amend the City's Subarea Plan, provided the boundary adjustment results in an area of equivalent or higher biological value. To meet this standard, the area proposed for addition to the MHPA must meet the six functional equivalency criteria set forth in Section 5.4.2 of the Final MSCP Plan (City of San Diego 1998). All MHPA boundary line adjustments require approval by the Wildlife Agencies and approval from a City discretionary hearing body.

A MHPA Boundary Line Correction was approved by the City and Wildlife Agencies on March 13, 2013. The boundary line correction included a mapping registration error associated with the International Business Center Project (EQD 86-0535), which was approved in the late 1980s.The existing MHPA was shifted to exclude 3.7 acres of approved development and to add 10.8 acres of existing conserved area within Wruck Canyon, as shown on Figure 8. The correction resulted in a net gain of 7.1 acres within

the MHPA and was consistent with the approved project, which required that 27 acres of open space within Wruck Canyon be preserved.

For parcels located outside the MHPA, “there is no limit on the encroachment into sensitive biological resources, with the exception of wetlands, and listed non-covered species’ habitat (which are regulated by state and federal agencies) and narrow endemic species.” However, “impacts to sensitive biological resources must be assessed and mitigation, where necessary, must be provided in conformance” with the City’s Biological Guidelines (City of San Diego 2012).

The MSCP includes management priorities to be undertaken by the City as part of its MSCP implementation requirements. Those actions identified as Priority 1 are required to be implemented by the City as a condition of the MSCP Take Authorization to ensure that covered species are adequately protected. The actions identified as Priority 2 may be undertaken by the City as resources permit.

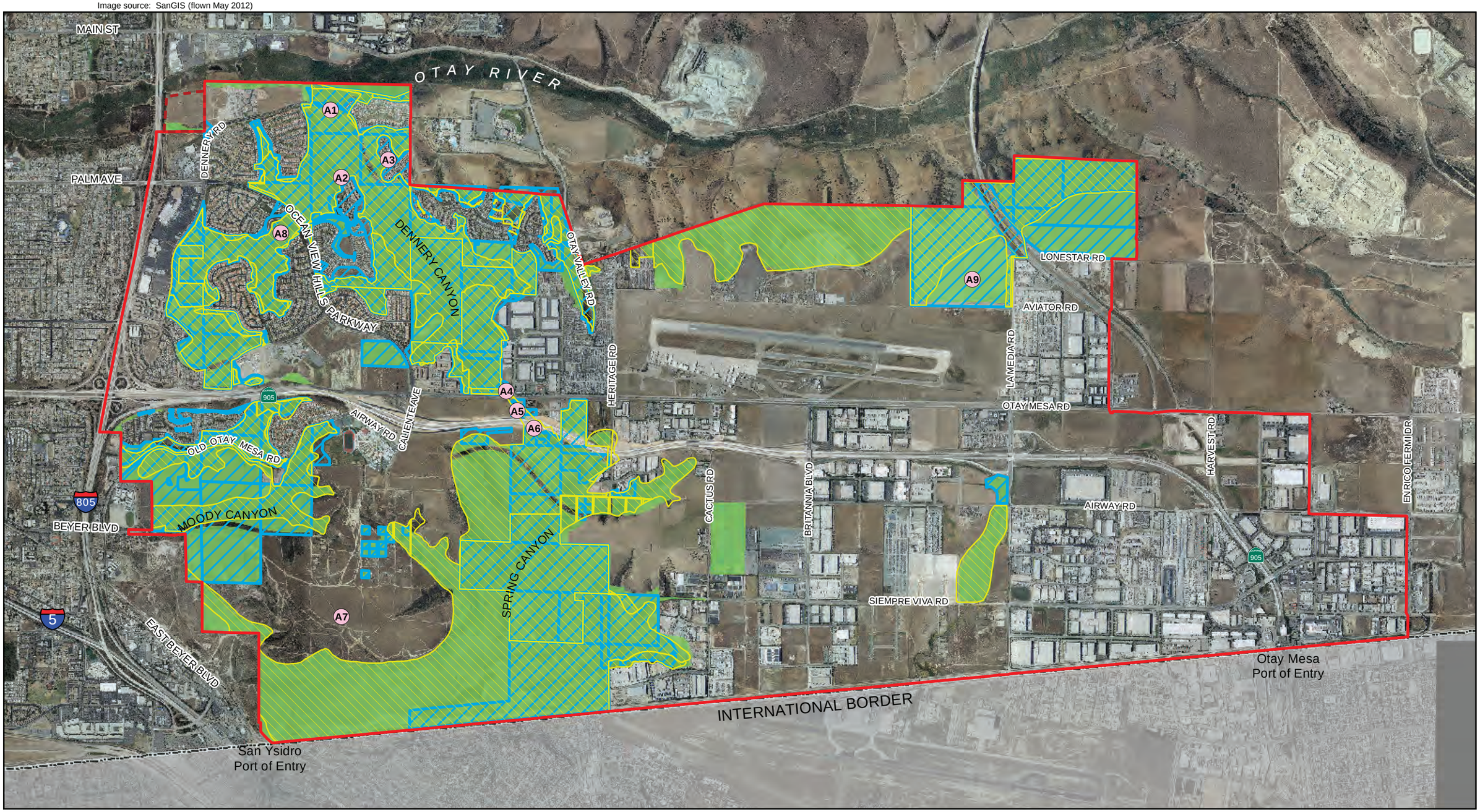
4.1.3 MHPA Land Use Adjacency Guidelines

To address the integrity of the MHPA and mitigate for indirect impacts to the MHPA, guidelines were developed to manage land uses adjacent to the MHPA. The MHPA adjacency guidelines are intended to be incorporated into the Mitigation Monitoring and Reporting Program (MMRP) and applicable permits during the development review phase of a proposed project. These guidelines address the issues of drainage, toxics, lighting, noise, barriers, invasive species, brush management, and grading/ development.

4.1.3.1 MSCP Subarea Plan: Otay Mesa MHPA Management Directives

Otay Mesa is in the southern area of the MHPA which also includes the Otay River Valley, Tijuana Estuary, and Tijuana River Valley. The plan describes the Otay Mesa areas of the MHPA and its vision as a network of open and relatively undisturbed canyons containing a full ensemble of native species and providing functional wildlife habitat and movement capability. The City’s MHPA Guidelines for Otay Mesa as described in Section 1.2.1 of the City’s Subarea Plan (1997) are as follows:

Image source: SanGIS (flown May 2012)



0 Feet 2,500

Otay Mesa Community Plan Boundary
Not A Part
MHPA Specific Guideline Areas

City of San Diego MHPA
SANGIS Conserved Lands Database

Otay Mesa Community Land Use Plan

OPEN SPACE

RECON

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FIGURE 7

Location of MHPA, SanGIS Conserved Lands, and Proposed Otay Mesa Community Plan Open Space

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Map Source: City of San Diego, October 29, 2012

Legend

- Existing Multi-Habitat Planning Area
- Otay Mesa MHPA Addition 5-2013
- Otay Mesa MHPA Delete 3-2013
- Parcels

Feet 150

FIGURE 8

Otay Mesa Community Plan MHPA Boundary Line Correction

RECON

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1. Maintain and/or provide trail access for Border Patrol use around the rim of canyons, where feasible. Motorized off-road-vehicle use in the MHPA should be prohibited except by Border Patrol, MHPA (Preserve) managers, or emergency vehicles.

2. In the area south of proposed State Route (SR-905), minimize road crossings of Spring Canyon. Where road crossings must occur, use bridges or culverts (see #3 below). Manufactured slopes adjacent to roadways should be revegetated with appropriate native vegetation.

3. Unless noted otherwise, culvert dimensions should be at least 30 feet wide by 15 feet high, and where feasible, have a maximum 2:1 length to width ratio. The floor of the culvert must be natural/soft bottom, and the ceiling constructed using skylights where possible to provide adequate visibility for wildlife.

4. Vernal pool areas should be preserved per adopted regulations. Where development is considered, the vernal pools should be assessed for transplantation of sensitive flora and fauna. Any wetland impacts will be mitigated for losses to meet the state and federal goal of “no net loss of wetland function and value.” Mitigation should occur in accordance with requirements to be determined through the 404 and 1602 permitting process for individual projects.

In addition to the general MHPA Guidelines identified above, the City’s MSCP identifies the following specific guidelines for the Otay Mesa area (see Figure 7 for locations of A1–A9):

A1. Improve the wildlife/pedestrian corridor in Dennery Canyon by incorporating two culverts in Dennery Canyon Road. Revegetate the disturbed portions of Dennery Canyon with coastal sage scrub species.

A2. Modify street alignments to retain additional natural areas. Reduced street classifications and roadbed widths where possible to reflect reduced development.

A3. The Robinhood Ridge project has a legal right to develop under an existing approved Tentative Map. In the event that the approved map expires, future development proposals would be required to conform to the MHPA boundaries depicted by the Subarea Plan and associated land use regulations.

A4. Provide a culvert under Otay Mesa Road to facilitate wildlife crossing. Ideally, the culvert would provide both limited pedestrian and wildlife access from the Otay River Valley Regional Park through Dennery Canyon to areas to the south in Spring Canyon. However, if this dimension is not possible due to engineering

constraints, the culvert must be large enough to allow mid-size mammal and predator undercrossing.

A5. Enhance/restore disturbed areas within the wildlife crossing. This will entail revegetation with coastal sage scrub species and if necessary, possible experimental restoration of graded vernal pools immediately north of Otay Mesa Road. The revegetation effort should not use medium to tall shrubs and trees, to address Border Patrol concerns. Provide fencing to direct animals into the undercrossing.

A6. The SR-905 design shall include a bridge-type structure over the wildlife corridor south of Otay Mesa Road. This crossing shall be enhanced with grading and revegetation.

A7. Prior to any development impacts in this area, mitigation must include collecting and reseeding vernal pool species into other preserved Otay Mesa pools.

A8. Final configuration of this area is subject to redesign of approved maps.

A9. The MHPA designation on the Baldwin property at the far northeastern end of the Otay Mesa area will need to be fenced at the time of development. Depending on the future use of adjacent areas outside the MHPA, the frequency and monitoring for disturbance, fence repairs, and other maintenance will be determined at the time of development. Due to the sensitivity of the vernal pools and other sensitive species in this area, public access should be carefully directed.

4.1.3.2 MSCP Subarea Plan: Specific Management Policies and Directives for Otay Mesa

Section 1.5.3 of the City of San Diego MSCP Subarea Plan (1997) describes the specific management and directives for the Otay Mesa area. The major issues that require consideration for management in the Otay Mesa area include the following, in order of priority, as excerpted from Section 1.5.3 of the City of San Diego MSCP Subarea Plan (1997):

- Intense land uses and activities adjacent to and in covered species habitat and linkages;
- Off-road-vehicle activity;
- Dumping, litter, and vandalism;
- Enhancement and restoration needs;
- Exotic (non-native), invasive plants and animals;
- Illegal immigration and Border Patrol activities; and
- Utility, facility and road repair, construction, and maintenance activities.

a. MSCP Subarea Plan: Overall Management Policies and Directives for Otay Mesa

As described in the plan:

> The Otay Mesa Community Plan contains lists and maps of vernal pools and sensitive species, as well as descriptions of native vegetation, wildlife and the ecological significance of the Otay Mesa area. The MHPA boundaries closely follow the open space designation in the adopted plan for the area south of Otay Mesa Road but have made modifications in the north area by adding substantial areas for preservation.

General Policies

General Policies for the MHPA contained in Section 1.5.3 of the MSCP Subarea Plan include:

Priority 1:

1. No unauthorized motorized vehicles except Border Patrol, MHPA managers, maintenance personnel, or emergency vehicles will be allowed on any trails or off-trail in the MHPA. The Border Patrol should restrict vehicles to the existing access roads as much as feasible, to avoid disturbance of habitat.

2. Remove all trash, hazardous materials, and vehicles from the MHPA prior to transfer from private to public ownership and/or management. If hazardous materials remain, these areas should be signed to indicate their locations, and made off-limits to people.

3. Inventory vernal pool areas within the Otay Mesa area for sensitive and target species where not previously or recently done, and assess for enhancement/restoration needs or opportunities, general status, and potential threats.

Priority 2:

1. Assess vernal pool areas proposed for development (e.g., approved development projects or proposed regional transportation facilities such as SR-905 and SR-125) for transplantation of sensitive plants and soils containing seedbanks of sensitive flora and fauna. Include in mitigation programs arrangements for proper timing of soil and plant removal, proper storage if necessary, and appropriate timing of enhancement/restoration efforts, including transplantation.

b. Specific Management Directives for Otay Mesa

Specific Management Directives for Otay Mesa contained in Section 1.5.3 of the MSCP Subarea Plan are identified as follow:

Northwest Otay Mesa

Priority 1:

1. Protect the area with concentrations of *Ferocactus*, *Dudleya*, and succulents on the ridge located in the northeast corner of the California Terraces from trampling and poaching of plants. Provide barriers to this area that accommodate wildlife movement.

2. Regular enforcement patrols may be necessary in Dennery Canyon and its tributaries to prevent vandalism, poaching, and off-road-vehicle activity.

3. The wildlife crossings under Otay Mesa Road and SR-905 are the only link from south to north Otay Mesa. These crossings must be kept free of debris and illegal encampments. Provide screening of this area along both sides from residential and other adjacent development, and provide limited cover for wildlife within the crossing area that is compatible with Border Patrol activities. Restrict night lighting near this crossing.

Priority 2:

1. Evaluate the mesa north of Brown Field for potential research opportunities in studying natural regeneration. If regeneration is not possible, pursue restoration of disturbed habitats in this area.

Northeast Otay Mesa

Priority 1:

1. Delineate the MHPA boundaries along areas of the mesa and slopes north of Brown Field with markers and signs to inform Brown Field employees, contractors, and other people of the boundaries of the MHPA to prevent disturbance of the area. This area should be made off-limits to illegal tilling of the mesas (except where required for brush management), dumping, storage of materials, and other disturbances. Fencing or other protection mechanisms will only be necessary if continued disturbance of these areas is evident.

2. Retain mesa areas which are currently non-native grasslands in order to allow regeneration or continue in their present state, thus providing needed raptor foraging area. If regeneration to coastal sage or other native habitats appears to be

unbalancing the need for grassland areas in the future, assess these areas for management that would maintain a grassland (preferably native) community.

Priority 2:

1. Evaluate the mesa north of Brown Field for potential research opportunities in studying natural regeneration. If regeneration is not possible, pursue restoration of disturbed habitats in this area.

Southern Otay Mesa

Priority 1:

1. Continuous coordination with the U.S. Border Patrol will be necessary to ensure continued awareness of the MHPA and cooperation in maintenance. The presence of the Border Patrol in this area should help to make the MHPA safe for visitors. If possible, improve coordination with the U.S. Border Patrol to aid in the identification and prevention of vandalism, off-road vehicle use, dumping, and other disturbances to habitat.

2. Install barriers and signage along Spring Canyon where agriculture or development abuts the MHPA.

Priority 2:

1. Provide educational materials and training on the MSCP and on native wildlife to U.S. Border Patrol agents and other public agency personnel working in the Otay Mesa border area to encourage sensitive behavior towards wildlife and its habitat, and to discourage unnecessary off-road vehicle use in sensitive areas.

2. Ensure that the night lighting along the border intrudes as little as possible on lands in the interior of the MHPA.

3. Assess and prioritize the Spring Canyon area for restoration of disturbed areas. Include existing roads and those determined not to be needed for Border Patrol activities in the restoration assessment. Burned areas should not need restoration, but off-road use and other disturbed areas should either be restored or other steps taken to encourage regeneration. This could offer potential research opportunities.

4.2 City of San Diego Environmentally Sensitive Lands Regulations

The purpose of the Environmentally Sensitive Lands (ESL) Regulations is to “protect, preserve, and, where damaged restore, the *environmentally sensitive lands* of San

Diego and the viability of the species supported by those lands. These regulations are intended to assure that *development* occurs in a manner that protects the overall quality of the resources and the natural and topographic character of the area, encourages a sensitive form of *development*, retains biodiversity and interconnected habitats, maximizes physical and visual public access to and along the shoreline, and reduces hazards due to *flooding* in specific areas while minimizing the need for construction of *flood* control facilities. These regulations are intended to protect the public health, safety, and welfare while employing regulations that are consistent with sound resources conservation principles and the rights of private property owners" (City of San Diego 2010). ESL Regulations cover sensitive biological resources, including wetlands, within and outside of the coastal zone and MHPA. Future development proposed in accordance with the CPU will be required to comply with all applicable ESL regulations.

4.3 City of San Diego General Plan Policies

The General Plan presents goals and policies for biological resources in the Conservation Element. Relevant excerpts from this element are included in Table 5 below.

TABLE 5
GENERAL PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES

Policy	Description
CE-B.1	Protect and conserve the landforms, canyon lands, and open spaces that: define the City's urban form; provide public views/vistas; serve as core biological areas and wildlife linkages; are wetlands habitats; provide buffers within and between communities; or provide outdoor recreational opportunities. a. Utilize Environmental Growth Funds and pursue additional funding for the acquisition and management of MHPA and other important community open space lands. b. Support the preservation of rural lands and open spaces throughout the region. c. Protect urban canyons and other important community open spaces including those that have been designated in community plans for the many benefits they offer locally, and regionally as part of a collective citywide open space system (see also Recreation Element, Sections C and F; Urban Design Element, Section A). d. Minimize or avoid impacts to canyons and other environmentally sensitive land by relocating sewer infrastructure out of these areas where possible, minimizing construction of new sewer access roads into these areas, and redirecting of sewage discharge away from canyons and other environmentally sensitive lands. e. Encourage the removal of invasive plant species and the planting of native plants near open space preserves. f. Pursue formal dedication of existing and future open space areas throughout the City, especially in core biological resource areas of the City's adopted MSCP Subarea Plan. g. Require sensitive design, construction, relocation, and maintenance of trails to optimize public access and resource conservation.
CE-B.2	Apply the appropriate zoning and ESL regulations to limit development of floodplains and sensitive biological areas including wetlands, steep hillsides, canyons, and coastal lands. a. Manage watersheds and regulate floodplains to reduce disruption of natural systems, including the flow of sand to the beaches. Where possible and practical, restore water filtration, flood and erosion control, biodiversity and sand replenishment benefits. b. Limit grading and alterations of steep hillsides, cliffs and shoreline to prevent increased erosion and landform impacts.
CE-B.3	Use natural landforms and features as integrating elements in project design to complement and accentuate the City's form (see also Urban Design Element, Section A).
CE-B.4	Limit and control runoff, sedimentation, and erosion both during and after construction activity.
CE-C.1	Protect, preserve, restore and enhance important coastal wetlands and habitat (tide pools, lagoons and marine canyons) for conservation, research, and limited recreational purposes.
CE-C.2	Control sedimentation entering coastal lagoons and waters from upstream urbanization using a watershed management approach that is integrated into local community and land use plans (see also Land Use Element, Policy LU-E-1).
CE-C.3	Minimize alterations of cliffs and shorelines to limit downstream erosion and to ensure that sand flow naturally replenishes beaches.

TABLE 5
GENERAL PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES
(continued)

Policy	Description
CE-C.4	Manage wetland areas as described in Section H, Wetlands, for natural flood control and preservation of landforms.
CE-C.6	Implement watershed management practices designed to reduce runoff and improve the quality of runoff discharged into coastal waters.
CE-D.3	Continue to participate in the development and implementation of watershed management plans. a. Control water discharge in a manner that does not reduce reasonable use by others, damage important native habitats and historic resources, or create hazardous conditions (e.g., erosion, sedimentation, flooding and subsidence). b. Protect reservoir capacity from sedimentation. c. Improve and maintain drinking water quality and urban runoff water quality through implementation of Source Water Protection Guidelines for New Development. d. Improve and maintain urban runoff water quality through implementation of storm water protection measures (see also Urban Runoff Management, Section E). e. Encourage proper sustainable agricultural practices (if applicable) such as tillage, use of grass filter strips, runoff detention basins, and organic farming.
CE-D.4	Continue to develop and implement public education programs. a. Involve the public in addressing runoff problems associated with development and raising awareness of how an individual's activities contribute to runoff pollution. b. Work with local businesses and developers to provide information and incentives for the implementation of Best Management Practices for pollution prevention and control. c. Implement watershed awareness and water quality educational programs for City staff, community planning groups, the general public, and other appropriate groups.

TABLE 5
GENERAL PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES
(continued)

Policy	Description
CE-E.2	Apply water quality protection measures to land development projects early in the process- during project design, permitting, construction, and operations- in order to minimize the quantity of runoff generated on-site, the disruption of natural water flows and the contamination of storm water runoff. a. Increase on-site infiltration, and preserve, restore or incorporate natural drainage systems into site design. b. Direct concentrated drainage flows away from the MHPA and open space areas. If not possible, drainage should be directed into sedimentation basins, grassy swales or mechanical trapping devices prior to draining into the MHPA or open space areas. c. Reduce the amount of impervious surfaces through selection of materials, site planning, and street design where possible. d. Increase the use of vegetation in drainage design. e. Maintain landscape design standards that minimize the use of pesticides and herbicides. f. Avoid development of areas particularly susceptible to erosion and sediment loss (e.g., steep slopes) and, where impacts are unavoidable, enforce regulations that minimize their impacts. g. Apply land use, site development, and zoning regulations that limit impacts on, and protect the natural integrity of topography, drainage systems, and water bodies. h. Enforce maintenance requirements in development permit condition.
CE-E.3	Require contractors to comply with accepted storm water pollution prevention planning practices for all projects. a. Minimize the amount of graded land surface exposed to erosion and enforce erosion control ordinances. b. Continue routine inspection practices to check for proper erosion control methods and housekeeping practices during construction.
CE-E.4	Continue to participate in the development and implementation of Watershed Management Plans for water quality and habitat protection.
CE-E.5	Assure that City departments continue to use "Best Practice" procedures so that water quality objectives are routinely implemented. a. Incorporate water quality objectives into existing regular safety inspections. b. Follow Best Management Practices and hold training sessions to ensure that employees are familiar with those practices. c. Educate City employees on sources and impacts of pollutants on urban runoff and actions that can be taken to reduce these sources. d. Ensure that contractors used by the City are aware of and implement urban runoff control programs. e. Serve as an example to the community-at-large.

TABLE 5
GENERAL PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES
(continued)

Policy	Description
CE-E.6	Continue to encourage "Pollution Control" measures to promote the proper collection and disposal of pollutants at the source, rather than allowing them to enter the storm drain system. a. Promote the provision of used oil recycling and/or hazardous waste recycling facilities and drop-off locations. b. Review plans for new development and redevelopment for connections to the storm drain system. c. Follow up on complaints of illegal discharges and accidental spills to storm drains, waterways, and canyons.
CE-E.	Manage floodplains to address their multi-purpose use, including natural drainage, habitat preservation, and open space and passive recreation, while also protecting public health and safety.
CE-G.1	Preserve natural habitats pursuant to the MSCP, preserve rare plants and animals to the maximum extent practicable, and manage all City-owned native habitats to ensure their long-term biological viability. a. Educate the public about the impacts invasive plant species have on open space. b. Remove, avoid, or discourage the planting of invasive plant species. c. Pursue funding for removal of established populations of invasive species within open space.
CE-G.2	Prioritize, fund, acquire, and manage open spaces that preserve important ecological resources and provide habitat connectivity.
CE-G.3	Implement the conservation goals/policies of the City's MSCP Subarea Plan, such as providing connectivity between habitats and limiting recreational access and use to appropriate areas.
CE-G.4	Protect important ecological resources when applying floodplain regulations and development guidelines.
CE-G.5	Promote aquatic biodiversity and habitat recovery by reducing hydrological alterations, such as grading a stream channel.
CE-H.1	Use a watershed planning approach to preserve and enhance wetlands.
CE-H.2	Facilitate public-private partnerships that improve private, federal, state and local coordination through removal of jurisdictional barriers that limit effective wetland management.
CE-H.3	Seek state and federal legislation and funding that support efforts to research, classify, and map wetlands including vernal pools and their functions, and improve restoration and mitigation procedures.
CE-H.4	Support the long-term monitoring of restoration and mitigation efforts to track and evaluate changes in wetland acreage, functions, and values.
CE-H.5	Support research and demonstration projects that use created wetlands to help cleanse urban and storm water runoff, where not detrimental to natural upland and wetland habitats.

TABLE 5
GENERAL PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES
(continued)

Policy	Description
CE-H.6	Support educational and technical assistance programs, for both planning and development professionals, and the general public, on wetlands protection in the land use planning and development process.
CE-H.7	Encourage site planning that maximizes the potential biological, historic, hydrological and land use benefits of wetlands.
CE-H.8	Implement a “no net loss” approach to wetlands conservation in accordance with all city, state, and federal regulations.
CE-J.1	Develop, nurture, and protect a sustainable urban/community forest.

SOURCE: City of San Diego General Plan Conservation Element 2008.

4.4 CPU Plan Policies

The CPU presents goals and policies for biological resources in the Conservation Element. Relevant excerpts from this element are included in Table 6 below.

TABLE 6
CPU PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES

Policy	Description
LU 2.1-2	Achieve comprehensive neighborhood and community village development through Specific Plans that: c. Respect the natural topography and sensitive habitat areas with growth patterns that balance development with preservation of natural resources. d. Provide a land use map that illustrates the detailed land use designations, including any lands set aside for resource conservation. The specific plan land use map will refine the Otay Mesa Community Plan Land Use Map as part of the specific plan approval process. g. Illustrate a separate system of pedestrian and bicycle pathways linking the activity centers with the residential areas, public facilities, and open space systems.
LU 2.6-1	Maintain the existing open space, and collaborate with the Wildlife Agencies, environmental groups, and the public to ensure adequate conservation for sensitive biological resources.
LU 2.6-2	Create a close relationship between the natural environment of the Otay River Valley, Spring Canyon, and the Dennery Canyon systems and developed areas through the provision of multi-use trails and educational elements.
LU 2.6-3	Maintain existing parks within the Northwest District, and develop remaining parks in the Riviera Del Sol and Hidden Trials neighborhoods.
LU 2.6-4	Identify and provide population-based parks per the General Plan standards at locations that are accessible and centrally located to most users within the Southwest and Central villages.

TABLE 6
CPU PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES
(continued)

Policy	Description
UD 4.1-2	Incorporate interpretive centers to provide educational information for sensitive resources within the Dennery Canyon system and the Otay River Valley as new development and redevelopment occurs.
UD 4.2-6	Consider landscape as a major element of the streetscape and incorporate a consistent theme along the roadways while including an appropriate mix of plant types in order to provide a diverse ecosystem.
UD 4.3-1	Employ sensitive design techniques when developing adjacent to Otay Mesa's natural canyon and open space systems. a. Comply with General Plan policies UD-A.2 and UD-A.3.
PF 6.1-3	Enforce brush management regulations in vacant areas in order to reduce the risk of fire-related emergencies.
RE 7.1-7	When siting and locating new parks consider the following: e. Orient and design new parks adjacent to canyon/open space edges, when feasible, to enhance public views and create a buffer between natural open space areas and other built land uses.
RE 7.2-1	Balance goals to preserve MHPA and open space areas with opportunities for providing recreation. a. Maintain Spring Canyon and portions of the Otay Valley Regional Park in their natural state. Future uses should be compatible with the open space concept, and may include hiking, bicycling, and sightseeing. b. Create a close relationship between the natural environment of Spring Canyon and developed areas through an extensive parks, recreation, and open space system by connecting parks to open space trails, bike routes, and sidewalks.
RE 7.2-2	Minimize activities that require alterations to the natural open space.
RE 7.2-3	Require the sensitive placement of structures such as benches, picnic tables in open space areas.
RE 7.2-4	Locate scenic overlooks, and parks adjacent to Spring Canyon and Otay River Valley trail entrances. a. Design scenic overlooks and trail entrances using natural materials and native plant species to reflect the natural surroundings. b. Include benches, picnic tables, or other types of seating at trail entrances. c. Include information boards and trail maps at trail entrances.
RE 7.2-5	Support efforts to designate trails and create a comprehensive trails system within Spring Canyon and the Otay Valley Regional Park's Dennery Canyon open space areas.
RE 7.2-6	Seek to obtain public access easements across private property for bike/hike trails areas.
CE 8.1.1	Implement the ESL ordinance related to biological resources and steep slopes for all new development.
CE 8.1.2	Preserve a network of open and relatively undisturbed canyons containing a full ensemble of native species and providing functional wildlife habitat and movement capability.

TABLE 6
CPU PLAN POLICIES RELATING TO BIOLOGICAL RESOURCES
(continued)

Policy	Description
CE 8.1.3	Plan development to minimize grading and relate to the topography and natural features of Otay Mesa.
CE 8.1.4	Implement the MSCP Management Policies and Directives for Otay Mesa through the project review process.
CE 8.1.5	Implement City regulations and Biology Guidelines for preservation, acquisition, restoration, management, and monitoring of biological resources.
CE 8.1.6	Implement Area Specific Management Directives and Conditions of Coverage as stated in Table 3-5 of the MSCP Subarea Plan for species protected in Otay Mesa and identified in Table 8-1 of the CPU.
CE 8.1.7	Require preservation, restoration, management, and monitoring within identified vernal pool preservation areas in accordance with City, state, and federal policies and regulations. The boundaries of vernal pool preserve areas should be of sufficient size and shape to protect the vernal pool basins, watersheds, functional buffers, and areas necessary to maintain vernal pool ecosystem function and species viability. a. Design, as feasible, the preserve areas to provide connectivity between vernal pools, surrounding open space, and nearby vernal pool complexes. b. Conduct management and monitoring of preserved and restored vernal pool sites in accordance with the citywide regulations and Biology Guidelines.
CE 8.1.8	Amend the Otay Mesa Community Plan as needed for consistency with an adopted HCP.
CE 8.1.9	Foster local stewardship and develop positive neighborhood awareness of the open space preserve areas with environmental education programs through local schools, homeowners associations, community groups, and other public forums that address the local ecosystem and habitat preservation. Incorporate hands-on learning via neighborhood hikes or other initiatives that present information in a manner that will increase interest in the natural world.
CE 8.1.10	Require development to obtain all required state and federal permits.
CE 8.1.11	Encourage the development of a comprehensive approach to habitat identification, management, and establishment of preservation nodes in order to address long term survival of the burrowing owl on Otay Mesa.
CE 8.5.1	Ensure the overall tree cover and other vegetation throughout Otay Mesa is no less than 20 percent in urban residential areas and 10 percent in the business areas so that the natural landscape is sufficient in mass to provide significant benefits to the city in terms of air and water management.
CE 8.5.2	Work with the City's Urban Forestry Division to coordinate the appropriate selection and location of shade-producing trees from the Otay Mesa Community Street Tree Plan.
CE 8.5.3	Require new development to retain significant and mature trees, where feasible.
CE 8.5.4	Support public outreach efforts to educate business owners, residents, and school children on the care of and environmental benefits of shade-producing street trees.
CE 8.5.5	Plant trees strategically to achieve energy savings. Generally, orient tree plantings so that building structures maximize shading and cooling benefits from the canopy spread.

5.0 Project Impacts

Impacts associated with implementation of the CPU are analyzed below. The biological impacts of the CPU were assessed according to guidelines set forth in the City of San Diego's Development Services Department CEQA Significance Thresholds (2011b) and the MSCP (City of San Diego 1997). Mitigation would be required for impacts that are considered significant under these guidelines. Impact areas were based on the CPU Land Use Plan and include the following categories of development (residential, commercial, industrial, institutional, parks, and right-of-way). The impact area shown in Table 7 is subdivided into impacts occurring inside or outside of the MHPA. Up to 25 percent development in the least sensitive area would be allowed within ESL if future development is proposed. Impacts to lands within the MHPA and SanGIS Conserved Lands database would only occur from three CPU circulation element roads (e.g., Beyer Boulevard, Airway Road, and Del Sol Boulevard).

5.1 Vegetation Community Impacts

The proposed CPU land use plan would impact a maximum of approximately 1948.18 acres of the 9,349.08-acre study area (Figure 9).Table 7 summarizes the acreage of vegetation communities and land cover types that would be impacted by build-out of the CPU. The impact footprint does not include land previously characterized as developed (i.e., developed or entitled and mitigated for, not necessarily built/graded) or ornamental/landscape vegetation as only impacts to sensitive vegetation communities or habitat as defined by the City's Biology Guidelines and ESL Regulations would be considered significant (see Section 6.3.1).

TABLE 7
ANTICIPATED IMPACTS TO VEGETATION COMMUNITIES AND LAND COVER TYPES WITHIN THE CPU

Vegetation Communities/ Land Cover Type	CPU Impact Area		Total
	Inside MHPA*	Outside MHPA	
Non-native grassland	10.9	1,219.5	1,230.4
Diegan coastal sage scrub	1.4	160.6	162
Disturbed land	0	374.2	374.2
Maritime succulent scrub	0.78	64.7	65.48
Agriculture	0.1	110.6	110.7
Riparian	0.35	0	0.35
Non-native vegetation	0	0.1	0.1
Vernal pool	0.05	2.9	2.95
Basin with fairy shrimp	0**	0.7	0.7
Mule fat scrub	1.3	0	1.3
Southern mixed chaparral	0	0	0
Alkali Seep	0	0	0
Freshwater marsh	0	0	0
Eucalyptus woodland	0	0	0
TOTAL	**14.88**	**1,933.3**	**1948.18**

*Lands within the MHPA that have not been 100 percent conserved have the potential for a 25 percent loss in the least sensitive area due to allowable encroachment under the MSCP.
** impact acreage less than 0.01

5.2 Impacts to Common Wildlife Species

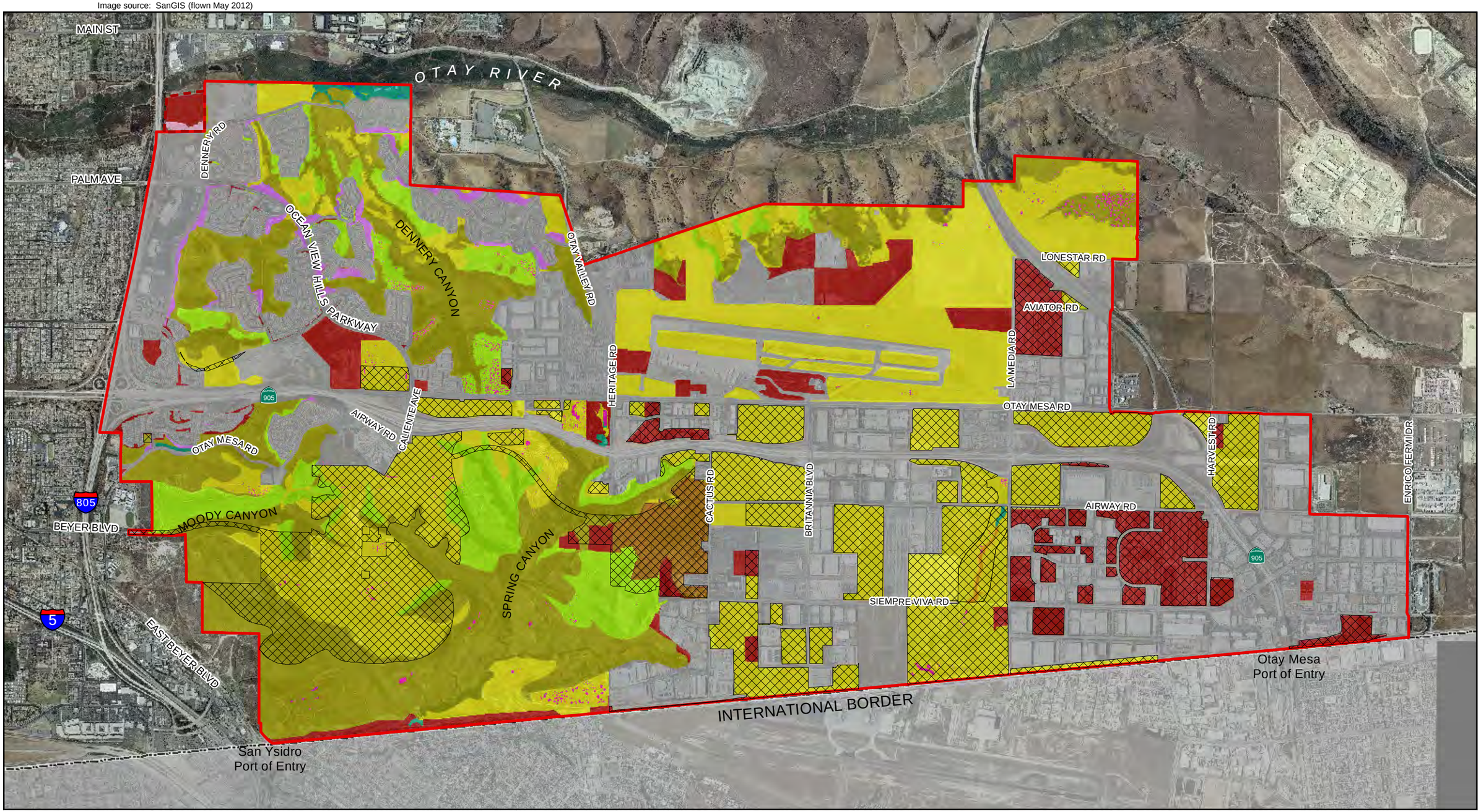
The impact to common wildlife species would result from the loss of a maximum of approximately 1948.18 acres of the study area. Wildlife using the site would be displaced and some small mammals, amphibians, and reptiles with low mobility may be inadvertently harmed during grading of the site. Impacts to common wildlife species are considered less than significant, as they are not classified as sensitive by the City of San Diego (City of San Diego 2012).

5.3 Sensitive Biological Resources Impacts

Impacts to unique, rare, endangered, sensitive, or fully protected species of plants or animals would occur with implementation of the CPU. Impacts to sensitive biological resources would be considered significant and could be mitigated at the project level in accordance with ESL Regulations and the City's Biology Guidelines.

Due to the fact that portions of the biological resource assessment are based on secondary source information rather than site specific field surveys, the impacts would be refined for individual projects. Instead, the program-level analysis identifies areas of potential impacts associated with implementation of the overall CPU. Site-specific

Image source: SanGIS (flown May 2012)



Project Boundary
Not A Part
Proposed Impacts

Vegetation Communities and Land Cover Types

- Alkali Seep
- Coastal and Valley Freshwater Marsh
- Diegan Coastal Sage Scrub
- Eucalyptus Woodland
- Maritime Succulent Scrub
- Mule Fat Scrub
- Non-native Grassland
- Non-native Vegetation
- Riparian
- Southern Mixed Chaparral
- Vernal Pool
- Agriculture
- Disturbed Land
- Urban/Developed

0 Feet 2,500

RECON

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FIGURE 9

Impacts to Vegetation Communities and Land Cover Types

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surveys would be conducted for future project-level review to verify the presence of sensitive plant species occurring on individual properties and determine the extent of any potential impacts.

5.3.1 Sensitive Vegetation Communities

Implementation of the CPU has the potential to result in loss of on-site sensitive vegetation communities. These sensitive habitats include upland communities in Tiers I-IIIB as shown on Figure 10. Potential impacts to sensitive vegetation communities would include the loss of basins with fairy shrimp, Diegan coastal sage scrub, maritime succulent scrub, non-native grassland, riparian, and vernal pools. Table 7 provides the acreage of each habitat type that would be impacted by the CPU. Impacts to wetlands, including vernal pools, are discussed in Section 6.5.

5.3.2 Sensitive Plants

Implementation of the CPU has the potential to impact 17 sensitive plant species known to occur on-site. Precise locations of sensitive plant species would be identified through on-site reconnaissance in conjunction with proposed future development.

Ten of the plant species are federally listed, state listed, and/or MSCP-covered species. These include:

Otay tarplant is state listed as endangered and a federally listed as threatened (State of California 2012b). It is considered a narrow endemic species under the MCSP and has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California or elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). Habitat for this species is coastal sage scrub, valley and foothill grasslands in clay soils.

San Diego ambrosia is federally listed as endangered (State of California 2012b). It is considered a narrow endemic species under the MSCP and has a CNPS Rare Plant Ranking of 1B.1 (Rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). Habitat for this species is disturbed areas in chaparral, coastal scrub, grassland, or vernal pool communities or along creek beds, seasonally dry drainages, and floodplains along the edge of willow woodland, in Riverwash or sandy alluvial soils.

Variegated dudleya is considered a narrow endemic species under the MSCP and has a CNPS Rare Plant Ranking of 1B.2 (Rare, threatened, or endangered in California or elsewhere; fairly endangered in California) (City of San Diego 1997, CNPS 2012). It can be found in openings in chaparral, coastal sage scrub, grasslands, or vernal pool habitats.

San Diego button-celery is federally and state listed as endangered (State of California 2012b). It is considered a narrow endemic species under the MSCP and has a CNPS Rare Plant Ranking of 1B.1 (Rare, threatened, or endangered in California or elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). It is found in vernal pools and wet areas within coastal sage scrub and grasslands.

Spreading navarretia is federally listed as threatened, is considered a narrow endemic species under the MSCP, and has a CNPS Rare Plant Ranking of 1B.1 (Rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (State of California 2012b; City of San Diego 1997, CNPS 2012). Its habitat is vernal pools, marshes, and swamps. A portion of the Otay Mesa area has been designated as critical habitat by the USFWS for spreading navarretia (Figure 11).

California Orcutt grass is a state and federally endangered species (State of California 2012b). It is considered a narrow endemic species under the MSCP and has a CNPS Rare Plant Ranking of 1B.1 (Rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). This species grows in vernal pools.

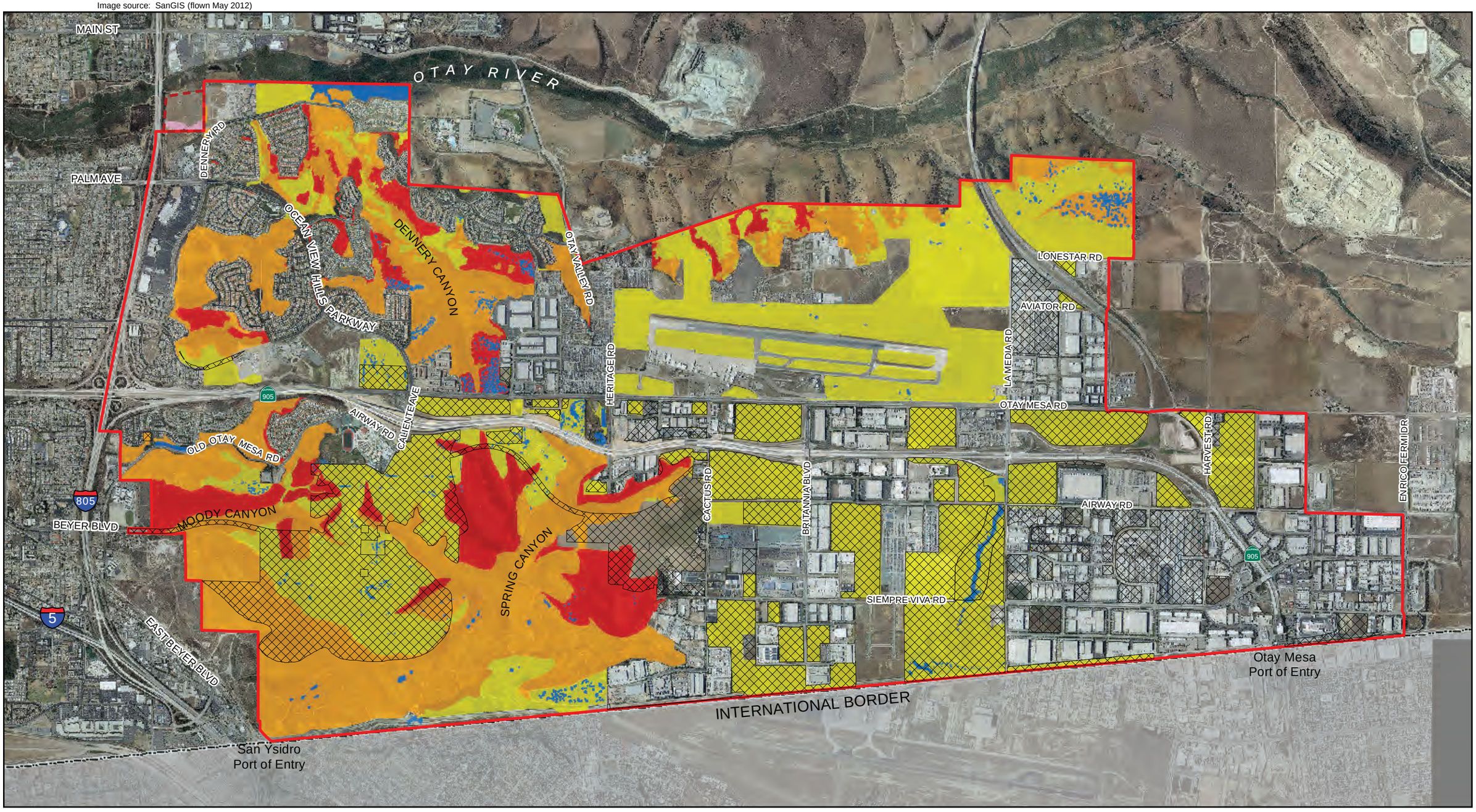
Otay mesa mint is state and federally listed as an endangered species and has a CNPS Rare Plant Ranking of 1B.1 (Rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (State of California 2012b; CNPS 2012). It is considered a narrow endemic under the MSCP (City of San Diego 1997). This plant grows in vernal pools.

Small-leaved rose is state listed as endangered, covered under the MSCP, and has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (State of California 2012b; City of San Diego 1997, CNPS 2012). Its habitat is coastal sage scrub. It is known in California from only one occurrence on Otay Mesa. Because this location of this species is part of a translocation program within the Ocean View Hills project (approved and built), impacts would not be anticipated.

San Diego goldenstar is a covered species under the MSCP and has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). It occurs in chaparral, coastal sage scrub, grasslands, and vernal pool habitats.

San Diego barrel cactus is a covered species under the MSCP and has a CNPS Rare Plant Ranking of 2.1 (rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) (City of San Diego 1997, CNPS 2012). It is found in chaparral, coastal sage scrub, grassland, and vernal pool habitats.

Image source: SanGIS (flown May 2012)



Otay Mesa Community Plan Boundary
Not A Part
Proposed Impacts

Vegetation Classification

Tier I Uplands
Tier II Uplands
Tier IIIA Uplands
Tier IIIB Uplands
Wetlands

0 Feet 2,500

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FIGURE 10

Impacts to Sensitive Vegetation Communities

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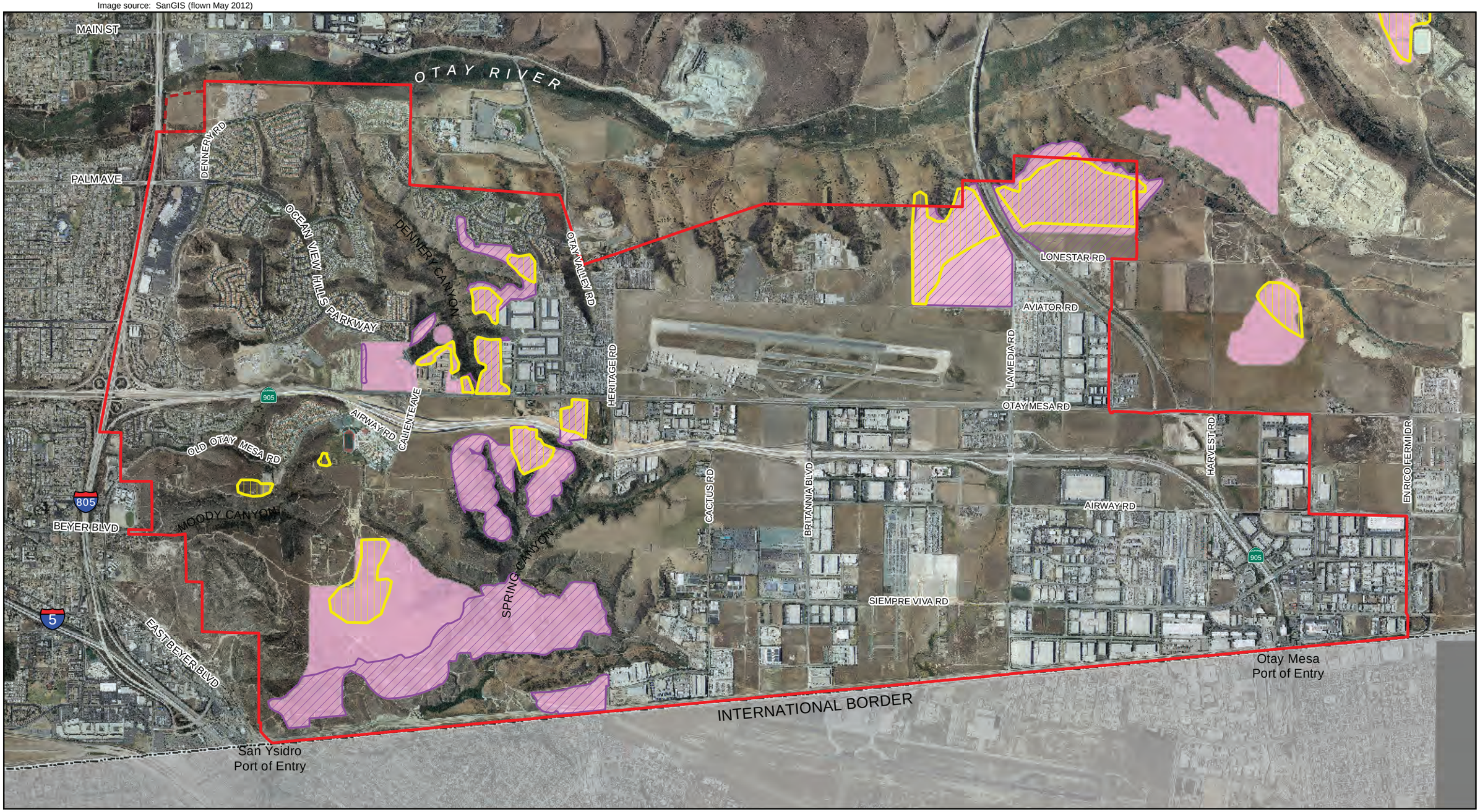
Image source: SanGIS (flown May 2012)



Otay Mesa Community Plan Boundary
Not A Part
USFWS Critical Habitat for Spreading Navarretia
USFWS Critical Habitat for Riverside Fairy Shrimp
USFWS Critical Habitat for San Diego Fairy Shrimp

0 Feet 2,500

FIGURE 11

Location of Designated Critical Habitat for Spreading Navarretia, San Diego Fairy Shrimp and Riverside Fairy Shrimp within the Otay Mesa Community Plan Boundary

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Additional plant species are not covered in the MSCP, but considered rare and occurring on the CNPS List. These include:

South coast saltscale has a CNPS Rare Plant Ranking of 1B.2 (rare, threatened, or endangered in California, but more common elsewhere; fairly endangered in California) and is found in coastal sage scrub habitat (CNPS 2012).

Nuttall's scrub oak has a CNPS Rare Plant Ranking of 1B.1 (rare, threatened, or endangered in California and elsewhere; seriously endangered in California) (CNPS 2012). It is found in chaparral and coastal sage scrub habitats.

San Diego bur-sage has a CNPS Rare Plant Ranking of 2.1 (Rare, threatened, or endangered in California, but more common elsewhere; seriously endangered in California) and is found in coastal sage scrub (CNPS 2012).

Golden-spined cereus has a CNPS Rare Plant Ranking of 2.2 (rare, threatened, or endangered in California, but more common elsewhere; fairly endangered in California) and is found in chaparral and coastal sage scrub (CNPS 2012).

Cliff spurge has a CNPS Rare Plant Ranking of 2.2 (rare, threatened, or endangered in California, but more common elsewhere; fairly endangered in California) and is found in coastal sage scrub and maritime succulent scrub (CNPS 2012).

Little mousetail has a CNPS Rare Plant Ranking of 3.1 (needs review; seriously endangered in California) and is found in vernal pools and grasslands (CNPS 2012).

San Diego County viguiera has a CNPS Rare Plant Ranking of 4.2 (uncommon in California; fairly endangered in California) and is found in chaparral and coastal sage scrub (CNPS 2012).

5.3.3 Sensitive Wildlife

Implementation of the CPU has the potential to impact sensitive wildlife species known to occur on-site. Precise locations of sensitive wildlife species and suitable habitat would be identified through on-site reconnaissance in conjunction with proposed future development. Potentially affected species and suitable habitat are described below.

5.3.3.1 Federally Listed Endangered Species

The federally endangered Quino checkerspot butterfly, San Diego fairy shrimp, Riverside fairy shrimp, and least Bell's vireo could be impacted with proposed future development implemented in accordance with the CPU lands use plan. Impacts to the San Diego fairy shrimp, Riverside fairy shrimp, least Bell's Vireo, and Quino checkerspot butterfly must be approved by USFWS under Section 7 or 10(A) of FESA.

The San Diego fairy shrimp and Riverside fairy shrimp are federally listed endangered species. The City relinquished federal coverage of these species in the MSCP, but has retained state coverage through the MSCP They are both associated with vernal pool habitat and have designated critical habitat in Otay Mesa (see Figure 11).

The Quino checkerspot is also a federally listed endangered species and a non-covered species in the MSCP. It occurs in open dry areas of the mesa and has designated critical habitat in Otay Mesa.

The least Bell's vireo is a federally and state listed endangered species and an MSCP covered species that could nest in the CPU. It is a migratory species and summer resident in riparian woodlands dominated by willows.

5.3.3.2 Federally Listed Threatened Species

The coastal California gnatcatcher, a federally listed threatened species, CDFW listed species of special concern, and MSCP covered species, could be impacted with future development implemented in accordance with the CPU land use plan. Coastal sage scrub and maritime succulent scrub habitat occupied by the coastal California gnatcatcher occurs in the CPU area. Direct impacts to occupied habitat that occurs in an MHPA area could be impacted under the proposed CPU land use plan. Indirect impacts (temporary construction noise) may occur to this species if construction occurs during the breeding season.

5.3.3.3 State Listed Endangered Species

The least Bell's vireo is a federally and state listed endangered species and an MSCP covered species that could nest in the CPU area. As such, impacts to least Bell's vireo must comply with the federal and state regulations regarding take of a listed species.

5.3.3.4 CDFW Species of Special Concern

The western burrowing owl is a CDFW species of special concern, USFWS bird of conservation concern, and MSCP covered species that is known to occur within the CPU area. The western burrowing owl occupies open areas, including native and non-native grassland, sparsely vegetated shrubland, agricultural land, disturbed habitat, as well as disturbed land. They typically nest in ground squirrel or other small mammal burrows, but may dig their own nests in soft soil or use culverts or drainage pipes. The burrowing owl population located within the Otay Mesa area is the largest remaining population of this species in San Diego County (Unitt 2004).

Impacts to burrowing owls would include not only direct impacts to individuals, nests, and suitable nesting habitat, but also indirect impacts from "eradication of host

burrowers; changes in vegetation management (i.e., grazing); use of pesticides and rodenticides; destruction, conversion or degradation of nesting, foraging, over-wintering or other habitats; destruction of natural burrows and burrow surrogates; and disturbance which may result in the harassment of owls at occupied burrows" (CDFW 2012). Implementation of the CPU may result in impacts to 1,230.4 acres of non-native grassland, 110.7 acres of agricultural land, and 374.2acres of disturbed land. Impacts to non-native grassland would affect the preferred habitat of the burrowing owl and would likely reduce population numbers. Although the species prefers grasslands, it is also known to use agricultural lands and disturbed lands when suitable grassland habitat is not available near an occupied area. Therefore, impacts to agricultural and disturbed lands need to be evaluated for their potential to support the burrow owl.

As a part of future environmental analysis for future projects, burrowing owl surveys would be required to be conducted in suitable habitat to determine if this species is present and to locate active burrows and burrow complexes. If burrowing owls are present, mitigation measures must be implemented, including avoidance of impacts inside the MHPA. Outside the MHPA impacts must be avoided to the maximum extent practicable by the relocation of owls out of impact areas by trained professionals and the conservation of occupied burrowing owl habitat or conservation of lands appropriate for restoration, management, and enhancement of burrowing owl nesting and foraging requirements to compensate for lost habitat. Management plans and directives must be prepared for these burrowing owl conservation lands in accordance with CDFW's staff report for burrowing owls dated March 2012 and would be subject to approval by the Wildlife Agencies.

Raptors, including the Cooper's hawk and northern harrier, are known to forage in the CPU area and may nest in suitable habitats within the CPU area. Cooper's hawk is a CDFW species of concern, USFWS bird of conservation concern, and MSCP covered year-round resident in San Diego. The Cooper's hawk habitat includes mature forest, open woodlands, woodland edges, parks, and residential areas. The northern harrier is a CDFW species of concern and MSCP covered migrant and winter resident in San Diego. The northern harrier occupies coastal lowlands, marshes, grassland, and agricultural fields. The CPU would remove up to approximately 1,459.53 acres of foraging habitat for birds of prey (including approximately 1,230.4 acres of non-native grasslands and 229.13 acres of scrubland). In compliance with the Migratory Bird Treaty Act (MBTA) and Section 3503 of the California Fish and Wildlife Code, no active nests of migratory bird species may be impacted during project construction.

Coastal cactus wren is CDFW species of special concern, USFWS bird of conservation concern, and MSCP covered species. It occupies maritime succulent scrub and coastal sage scrub. Any impacts to these habitat types could impact the coastal cactus wren. Proposed future development projects would be required to conduct focused protocol surveys for the coastal cactus wren if suitable habitat is determined to be present.

Additional CDFW species of special concern occurring in the CPU area include San Diego horned lizard and Belding's orange-throated whiptail. Both are MSCP-covered and occupy chaparral and coastal sage scrub habitats.

Others include western spadefoot, Coronado skink, red diamond rattlesnake, loggerhead shrike (USFWS bird of conservation concern), yellow-breasted chat, northwestern San Diego pocket mouse, San Diego woodrat, and San Diego black-tailed jackrabbit. These species are not covered by the MSCP.

5.3.3.5 CDFW Fully Protected Species

Other raptors, such as the golden eagle (CDFW fully protected species and species of special concern; USFWS bird of conservation concern; MSCP covered) and white-tailed kite (CDFW fully protected species), may nest or winter in the CPU area. The golden eagle requires vast foraging areas in grassland, broken chaparral, or sage scrub. It nests in cliffs and trees.

5.3.3.6 Other MSCP Covered Species

Southern California rufous-crowned sparrow is a CDFW watch list and MSCP covered species that occupies coastal sage scrub, chaparral and grassland.

5.3.3.4 Other Non-covered Sensitive Species

These include species listed or considered sensitive but are not covered in the City's MSCP: great egret; black-crowned night heron; prairie falcon (CDFW watch list; federal bird of conservation concern); California horned lark (CDFW watch list) in addition to the species listed above.

5.4 Jurisdictional Waters/Wetlands

Wetlands habitats in the CPU area consist primarily of vernal pools, basins with fairy shrimp, freshwater marsh, alkali seep, and riparian habitat. Figure 9 illustrates the locations of potential impacts to these categories of wetlands with implementation of the CPU.

The City of San Diego's Biology Guidelines, ESL Regulations, and MSCP Subarea Plan require, in general, that impacts to wetlands, which include vernal pools, shall be avoided and that a sufficient buffer shall be maintained around all wetlands to protect wetland functions and values. In the case of vernal pools, avoidance includes maintaining a sufficient amount of the pool's watershed area necessary for its continued viability and providing a buffer around the vernal pool to protect wetland functions and

values. Buffer distances are typically 100 feet, but in some cases, a lesser buffer may be approved provided it can be demonstrated that the functions and values of the wetland are not compromised.

Projects with proposed impacts to wetlands in the City of San Diego require a deviation from the ESL Regulations. Wetland impacts may be considered under the following three options: the Essential Public Projects, Economic Viability Option, or Biologically Superior Option. Under the wetland deviation process for the Essential Public Projects and Economic Viability Options impacts must be avoided, but if not feasible, then impacts must be minimized to the maximum extent practicable. Under the wetland deviation process for the Biologically Superior Option, only wetland resources of low biological quality may be impacted and must result in a biologically superior outcome. The assessment of low biological quality would be specific to the resource type impacted (e.g., vernal pools, riparian, and unvegetated channels), and shall include consideration of the following factors: use of the wetland by federal and/or state endangered, threatened, sensitive, rare and/or other indigenous species, diversity of native flora and fauna enhancement or restoration potential, habitat function/ecological role, connectivity to other wetland or upland systems, hydrologic functions, status of watershed, and source and quality of water. In addition, impacts to vernal pools would require special assessments as noted in Section 5.4.1.

Impacts to wetlands would be considered significant, but could be mitigated for at the project level. Projects with any proposed impacts to wetlands must clearly demonstrate that: (1) there is no least environmentally damaging alternative that would reduce/avoid the impact; (2) impacts are minimized to the maximum extent possible; and (3) impacts are fully mitigated in accordance with the City of San Diego's Biology Guidelines.

5.4.1 Vernal Pools

Vernal pools and basins with fairy shrimp occur throughout the CPU area. As mentioned previously, basins with fairy shrimp may be considered vernal pools or road ruts and must be based on protocol surveys. Project-specific analysis would be required for proposed future projects during project approval to determine what agencies (City, USFWS, RWQCB, USACE, or CDFW) have regulatory authority over vernal pools and basins with fairy shrimp.

Implementation of the CPU has potential to impact up to 2.95 acres of vernal pools and 0.7 acre of basins with fairy shrimp. It is recognized that as future development projects come forward, the impacts could be lessened or avoided depending on site-specific project designs.

Impacts to vernal pools and basins with fairy shrimp would require a deviation from the City of San Diego's ESL Regulations. The vernal pools which could be impacted would

require the following assessments: presence of vernal pool flora and fauna, information on hydrology, determination of habitat function, and restoration potential. In addition, protocol fairy shrimp surveys would be required for all vernal pools to determine the presence or absence of these species. Impacts to fairy shrimp would require authorization under a Section 10(a)1(A) permit or Section 7 consultation from the USFWS.

A draft vernal pool HCP is currently being prepared by the City and Wildlife Agencies. The vernal pool HCP will propose vernal pool preserve areas for conservation as well as vernal pool areas with potential for development. If adopted, the City would have “take” authority for fairy shrimp occurring within the vernal pool HCP areas. Impacts to vernal pool HCP areas would be required to comply with the City of San Diego’s ESL Regulations.

5.4.2 Other Jurisdictional Wetlands

Implementation of the CPU has potential to result in impacts to both wetland and non-wetland streambed waters regulated by the USACE, CDFW, RWQCB, and City of San Diego. In addition, the USFWS would be involved under Section 7 of the FESA during consultation initiated by the USACE during the 404 permit process if federal listed species are present. If there is no federal nexus to jurisdictional waters then a Section 10(A) authorization from USFWS would be required to cover any potential affects to federal listed species. There is also the potential for additional unmapped non-wetland waters of the U.S. and streambeds to occur within the project area. Future development has the potential to result in disturbances to habitat and drainages that are under the jurisdiction of the USACE according to Section 404 of the Clean Water Act, RWQCB in accordance with Section 401 of the Clean Water Act, and CDFW under Section 1600 of the Fish and Wildlife Code. In addition, impacts to wetlands would require a deviation from the City of San Diego’s ESL Regulations. Wetland and jurisdictional impacts would be determined at the project level and would require subsequent environmental review. It is recognized that as future development projects come forward, the impacts could be lessened or avoided depending on site-specific project designs. All impacts to wetlands are considered significant.

5.5 Wildlife Movement Corridors

Wildlife movement within the CPU area focuses on the canyon areas which are part of the adopted MHPA open space system. This MHPA network in the Otay Mesa area, along with the City of Chula Vista’s and County’s MSCP Subarea Preserve Areas which are contiguous to the northeast portion of the CPU, is planned to link to the regionally significant Otay River Valley. Dennery and Spring canyons and the smaller canyons along the northern boundary that drain into Otay River Valley are key local components

of the wildlife movement corridors within the MHPA network. The CPU maintains the planned habitat linkage corridors of the MHPA in terms of location and acreage; however, CPU Mobility Element roads, utility lines, and/or temporary construction activities are within the MHPA and have potential to impact wildlife movement directly as a result of habitat loss or fragmentation. Additionally, as shown on Figure 7, some of these lands have been conserved.

Several of the community plan roads are planned within, adjacent to or would cross MHPA and SanGIS Conserved Lands Database. These roads are currently in various stages of development and include the following:

- The Beyer Boulevard alignment would run along Moody Canyon within the MHPA.
- Airway Road would cross the northern tip of the Spring Canyon within the MHPA and connect with Heritage/Otay Valley Road.
- Otay Mesa Road, Ocean View Hills Parkway, and Del Sol Boulevard would cross Moody Canyon within the MHPA.
- Dennery Road would run through the Dennery Canyon within the MHPA.
- The northern extension of Heritage/Otay Valley Road would extend into the Otay River Valley and run along the edge of a portion of the MHPA within the CPU area. Heritage Road would cross the Spring Canyon within the MHPA.
- Portions of La Media Road and Siempre Viva Road would run close to MHPA areas but would not cross them.

According to the MSCP Subarea Plan, roads in the MHPA are limited to Community Plan Circulation Element roads, collector streets, and necessary maintenance/ emergency access roads. The MSCP identifies several policies aimed at protecting the integrity of the wildlife corridors. Such policies address minimizing disruption caused by construction and staging areas; avoiding canyon bottoms and allowing wildlife movement through use of bridges or culverts where roads cross the MHPA; narrowing of roads to minimize habitat fragmentation and disruption of wildlife movement; and placing roads in lower quality habitat or disturbed areas to the extent possible.

5.6 Multi-Habitat Planning Area

As designated in the City's MSCP Subarea Plan, the MHPA is the permanent preserve area for habitat conservation. In the CPU area, the MHPA is primarily a network of canyons and drainages that connect to the Otay River Valley (off-site; see Figure 7).

Overall, the MHPA in the Otay Mesa area supports sensitive habitats (coastal sage scrub, maritime succulent scrub, wetlands, vernal pools) and significant populations of MSCP covered species, both plant and wildlife. Direct impacts to the MHPA are summarized in Table 7. In addition, lands within the MHPA that have not been preserved as open space have the potential for a 25 percent loss in the least sensitive area due to allowable encroachment under the MSCP.

5.6.1 MHPA Consistency

The CPU is generally consistent with the currently designated MHPA preserve areas. As mentioned previously, several roads included on the CPU circulation plan would be within or cross the MHPA. The MSCP limits roads in the MHPA to those identified in community plan circulation element, collector streets essential for area circulation, and necessary maintenance/emergency access roads. Local streets should not cross the MHPA except where needed to access isolated development areas. The MSCP provides additional policies relating to the construction of roads to minimize impacts and fragmentation of sensitive species and habitat.

Other allowed uses outlined in Section 6.2 of the MSCP include: (1) existing uses, (2) public access and recreation, (3) infrastructure, scientific and biologic activities, and (4) emergency, safety and police services. The MSCP provides specific requirements relating to the implementation of these allowed uses. All activities must be consistent with the MSCP Subarea Plan. Impacts from these allowed uses would be determined at the project level and would require subsequent environmental review.

A MHPA Boundary Line Correction was approved by the City and Wildlife Agencies on March 13, 2013. Due to a mapping registration error, the MHPA was mapped over 3.7 acres of existing development permitted as part of the International Business Center Project (EQD No. 86-0535), which was approved in the late 1980s. The MHPA boundary was shifted to the south in order to remove the approved developed area and to add the 10.8 acres in Wruck Canyon that had been conserved as part of the International Business Center Project. The correction resulted in a net gain of 7.1 acres within the MHPA.

5.6.2 MHPA Boundary Adjustments

MHPA boundary adjustment(s) may be proposed as part of future development within the CPU area. The City's MSCP allows for adjustments to the MHPA boundary without the need to amend the Subarea Plan, provided the boundary adjustment results in an area of equivalent or higher biological value. Six functional equivalency criteria must be met for a boundary adjustment. Any MHPA boundary adjustments would require concurrence from the Wildlife Agencies. Any necessary MHPA boundary adjustments and functional equivalencies would be addressed at the time future development

proposals are brought forward pursuant to an adopted CPU. Potential impacts to the MHPA preserve configuration as a result of MHPA boundary adjustments would not be considered significant, because the adjustment must meet the required equivalency criteria from the Wildlife Agencies and obtain approval.

5.6.3 MHPA Land Use Adjacency Guidelines

The MHPA has been designed to maximize conservation of sensitive biological resources, including sensitive species. When land is developed adjacent to the MHPA, there is a potential for secondary impacts that may degrade the habitat value or disrupt animals within the preserve area. These secondary effects of project development may include habitat insularization, drainage/water quality impacts, lighting, noise roadkill, exotic plant species, nuisance animal species, and human intrusion. These impacts could be short-term resulting from construction activities, or long-term. Short-term construction impacts could result in disruption of nesting and breeding thus affecting the population of sensitive species. To address these concerns, the MSCP includes a set of MHPA Land Use Adjacency Guidelines that are to be evaluated and implemented at the project level.

Indirect effects can occur wherever development and human activity is adjacent to natural areas. These effects include those due to increased runoff, trampling and removal of plant cover due to hiking, biking and other human activities, increased presence of toxins, increased nighttime light levels, and redirection or blockage of wildlife movement, increased levels of non-native and invasive plants. These indirect effects could reduce the quality of the MHPA. The Land Use Adjacency Guidelines require certain measures to be incorporated in the design of projects adjacent to the MHPA to reduce indirect impacts to a level that is less than significant.

As implementation of the CPU would introduce land uses adjacent to MHPA, this is a potentially significant impact. Future development proposals would be required to address indirect impacts and incorporate the Land Use Adjacency Guidelines.

5.6.4 Specific Management Directives for Otay Mesa

The MSCP envisions “a network of open and relatively undisturbed canyons containing a full ensemble of native species which provide functional wildlife habitat and movement capability.” Specific Management Directives are aimed at carrying out this vision and include measures to protect sensitive species, limit access into the canyons, provide wildlife crossing under Otay Mesa Road/SR-905, and address regeneration and restoration. The CPU would be generally consistent with the vision of the Otay Mesa MHPA; therefore, there are no significant, direct impacts anticipated to the MHPA.

5.7 Cumulative Impacts

Preservation of the region's biological resources has been addressed through the implementation of regional habitat conservation plans (i.e., MSCP). Impacts to biological resources in the City of San Diego, the County of San Diego, and the City of Chula Vista are managed through the adopted MSCP Subarea Plans.

Cumulative impacts from the project were evaluated with regards to past, present, and future projects within the local area. Eight city-wide and regional plans were identified for the evaluation of cumulative impacts: the City of San Diego General Plan; the City of San Diego MSCP Subarea Plan; the SANDAG RCP; the City of Chula Vista General Plan; the City of Chula Vista General Development Plan and Otay Ranch Specific Area Plan Amendment; the County of San Diego East Otay Mesa Specific Plan; the County of San Diego MSCP South County Subarea Plan; and the Chula Vista MSCP Subarea Plan. All but the City of Chula Vista General Development Plan and Otay Ranch Specific Area Plan Amendment of the aforementioned citywide and regional plans were determined to have significant biological impacts. The area of analysis extends, as appropriate, beyond the City's MSCP and into adjacent jurisdictions for this cumulative impacts analysis and are discussed by resource area below.

5.7.1 Sensitive Biological Resources

The CPU would result in significant cumulative impacts to sensitive biological resources, such as vegetation communities, plants, and wildlife. These cumulative impacts are discussed in detail below.

5.7.1.1 Sensitive Vegetation Communities

Direct and indirect impacts to riparian and natural communities within the CPU area would contribute to the cumulative loss of these sensitive vegetation types in San Diego County. Thus, impacts of the CPU in conjunction with the aforementioned city-wide and regional plans to sensitive vegetation communities would be considered a cumulative significant impact. The incremental contributions of the CPU to those cumulative impacts would be cumulatively considerable. Implementation of the CPU policies and future compliance with established development standards contained in the City's ESL Regulations and Biology Guidelines as well as the MSCP Subarea Plan and Land Use Adjacency Guidelines would serve to reduce impacts to a degree, but cannot guarantee that cumulative project-level impacts would be avoided or mitigated to a level less than significant. Because the extent of future development projects is unknown at this time, the degree of impact and applicability, feasibility, and success of mitigation measures cannot be accurately known for each specific future project at this program level of analysis. The CPU would, therefore, result in a cumulatively considerable impact to sensitive vegetation communities.

5.7.1.2 Sensitive Plants

The direct and indirect impacts presented above in subchapter 5.3.2 for sensitive plant species would add to the cumulative impacts to these species primarily through habitat loss and to a lesser extent through the potential loss of individuals of these species that occur within the CPU area. Thus, impacts of the CPU in conjunction with the aforementioned city-wide and regional plans to sensitive plants would be considered a cumulative significant impact. The incremental contributions of the CPU to those cumulative impacts would be cumulatively considerable. Implementation of the CPU policies and future compliance with established development standards contained in the City's ESL Regulations and Biology Guidelines as well as the MSCP Subarea Plan and Land Use Adjacency Guidelines would serve to reduce impacts to a degree, but cannot guarantee that cumulative project-level impacts would be avoided or mitigated to a level less than significant. Because the extent of future development projects is unknown at this time, the degree of impact and applicability, feasibility, and success of mitigation measures cannot be accurately known for each specific future project at this program level of analysis. The CPU would, therefore, result in a cumulatively considerable impact to sensitive plant species.

5.7.1.3 Sensitive Wildlife

The direct and indirect impacts presented above in subchapter 5.3.3 for sensitive wildlife species would add to the cumulative impacts to these species primarily through habitat loss and to a lesser extent through the potential loss of individuals of these species that occur within the CPU area. Loss of upland habitat resulting from future development implemented in accordance with the CPU would contribute to a cumulative loss of raptor foraging areas, including grasslands that support burrowing owl. The loss of large areas of non-native grassland could have a significant cumulative effect on the burrowing owl population in the Otay Mesa area as this is the preferred habitat for the species.

Thus, impacts of the CPU in conjunction with the aforementioned city-wide and regional plans to sensitive wildlife would be considered a cumulative significant impact. The incremental contributions of the CPU to those cumulative impacts would be cumulatively considerable. Implementation of the CPU policies and future compliance with established development standards contained in the City's ESL Regulations and Biology Guidelines as well as the MSCP Subarea Plan and Land Use Adjacency Guidelines would serve to reduce impacts to a degree, but cannot guarantee that cumulative project-level impacts would be avoided or mitigated to a level less than significant. Because the extent of future development projects is unknown at this time, the degree of impact and applicability, feasibility, and success of mitigation measures cannot be accurately known for each specific future project at this program level of analysis. The CPU would, therefore, result in a cumulatively considerable impact to sensitive wildlife species.

5.7.2 Jurisdictional Waters/Wetlands

The direct and indirect impacts to federal, state, and County jurisdictional waters and wetlands from the project would add to the cumulative loss of jurisdictional waters and wetlands in the County of San Diego. Thus, cumulative impacts of the CPU in conjunction with the aforementioned city-wide and regional plans to jurisdictional waters and wetlands would be considered a cumulatively significant impact. The incremental contributions of the CPU to those cumulative impacts would be cumulatively considerable. Implementation of the CPU policies and future compliance with established development standards contained in the City's ESL Regulations and Biology Guidelines as well as the MSCP Subarea Plan and Land Use Adjacency Guidelines would serve to reduce impacts to a degree, but cannot guarantee that cumulative project-level impacts would be avoided or mitigated to a level less than significant. Because the extent of future development projects is unknown at this time, the degree of impact and applicability, feasibility, and success of mitigation measures cannot be accurately known for each specific future project at this program level of analysis. The CPU would, therefore, result in a cumulatively considerable impact to jurisdictional waters and wetlands.

5.7.3 Wildlife Movement Corridors

Direct and indirect impacts to wildlife movement corridors within the CPU area would generally contribute to the cumulative impacts to local wildlife movement. Thus, cumulative impacts of the CPU in conjunction with the aforementioned city-wide and regional plans to wildlife movement corridors would be considered a cumulatively significant impact. The incremental contributions of the CPU to those cumulative impacts would be considered a cumulatively significant impact. The CPU maintains the planned habitat linkage corridors of the MHPA in terms of location and acreage; however, CPU Circulation Element roads, utility lines, and/or temporary construction activities within the MHPA have potential to impact wildlife movement directly as a result of habitat loss or fragmentation. Implementation of the CPU policies and future compliance with established development standards contained in the MSCP Subarea Plan's General Planning Policies and Design Guidelines would serve to reduce impacts to a degree, but cannot guarantee that all cumulative project-level impacts would be avoided or mitigated to a level less than significant. Because the extent of future development projects is unknown at this time, the degree of impact and applicability, feasibility, and success of mitigation measures cannot be accurately known for each specific future project at this program level of analysis. The CPU would, therefore, result in a cumulatively considerable impact to wildlife movement corridors.

5.7.4 Multi-Habitat Planning Area

Any modification to the MHPA boundaries would be required to result in equal or better biological values and would not result in significant direct or indirect impacts associated with environmental or habitat conservation plans; direct and indirect impacts to sensitive vegetation communities and species as a result of MHPA boundary adjustments would generally not contribute to cumulative impacts to the long-term conservation of biological resources as described in the MSCP. Thus, cumulative impacts of the CPU in conjunction with the aforementioned city-wide and regional plans to the long-term conservation of biological resources as described in the MSCP would not be considered a cumulatively significant impact.

Implementation of the CPU policies and future compliance with established development standards contained in the City's ESL Regulations, Biology Guidelines, and other applicable regulations as well as the MSCP Subarea Plan's Land Use Adjacency Guidelines, Management Policies and Directives, and Area Specific Management Directives would serve to reduce impacts to below a level of significance.

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6.0 Mitigation Framework

Mitigation is required for impacts that are considered significant under the City of San Diego's Biology Guidelines (2012) and the City of San Diego's Development Services Department CEQA Significance Determination Thresholds (2011b). All impacts to sensitive biological resources should be avoided to the maximum extent feasible and minimized when avoidance is not possible. Where impacts are not avoidable or cannot be minimized, mitigation is required to reduce significant impacts to a level of less than significant. Mitigation measures typically employed include resource avoidance, restoration or creation of habitat, dedication or acquisition of habitat, or payment of monies into the City of San Diego's Habitat Acquisition Fund. Mitigation measures would be determined and implemented at the project level. Adherence to the recommendations below is anticipated to minimize impacts to sensitive biological resources.

To reduce potentially significant impacts that would cause a reduction in the number of unique, rare, endangered, sensitive, or fully protected species of plants or animals, if present within the CPU area, all subsequent projects developed in accordance with the CPU shall be analyzed in accordance with the CEQA Significance Thresholds, which require that site-specific biological resources surveys be conducted in accordance with City of San Diego Biology Guidelines (2012). The locations of any sensitive plant species, including listed, rare, and narrow endemic species, as well as the potential for occurrence of any listed or rare wildlife species shall be recorded and presented in a biological resources report. Based on available habitat within CPU area, focused presence/absence surveys shall be conducted in accordance with the biology guidelines and applicable resource agency survey protocols to determine the potential for impacts resulting from the project on these species. Engineering design specifications based on project-level grading and site plans shall be incorporated into the project design to minimize or eliminate direct impacts on sensitive plant and wildlife species consistent with the FESA, MBTA, Bald and Golden Eagle Protection Act, California Endangered Species Act (CESA), MSCP Subarea Plan, and ESL Regulations.

In addition, a preliminary or final jurisdictional wetlands delineation shall be completed following the methods outlined in the USACE 1987 Wetlands Delineation Manual and the Regional Supplement to the Corps of Engineers Delineation Manual for the Arid West Region (2008). A determination of the presence/absence and boundaries of any Waters of the U.S. and Waters of the State shall also be completed following the appropriate USACE guidance documents for determining Ordinary High Water Mark (OHWM) boundaries. The limits of any riparian habitats on-site under the sole jurisdiction of CDFW shall also be delineated, as well as any special aquatic sites (e.g., vernal pools) that may not be within the USACE jurisdiction under the Clean Water Act or meet other federal jurisdictional criteria but are regulated by the FESA, CESA,, and/or

RWQCB. The City no longer has coverage for vernal pools containing sensitive species. A USFWS permit would be required if impacts to vernal pools with sensitive species or basins with fairy shrimp were to occur.

6.1 Sensitive Vegetation Communities

Projects proposing impacts on sensitive upland Tier I, II, IIIA, or IIIB habitats shall implement avoidance and minimization measures consistent with the City's Biology Guidelines (Table 2 – presented as Table 8 in this mitigation framework) and provide suitable mitigation in accordance with the MSCP Subarea Plan. Engineering design specifications based on project-level grading and site plans shall be incorporated into the project design to minimize direct impacts on sensitive vegetation communities including but not limited to riparian habitats, wetlands, oak woodlands, coastal sage scrub, and chaparral consistent with federal, state, and City guidelines. Any required mitigation for impacts on sensitive vegetation communities shall be outlined in a conceptual mitigation plan following the outline provided in the City's Biology Guidelines.

Mitigation for impacts to sensitive vegetation communities would be implemented at the time future development projects are proposed. Project-level analysis would determine whether the impacts are within or outside of the MHPA. Any MHPA boundary adjustments would be processed by the individual project applicants through the City and Wildlife Agencies during the early project planning stage.

Mitigation for impacts to sensitive upland habitats and wetlands would occur in accordance with the MSCP mitigation ratios as specified within the City's Biology Guidelines (City of San Diego 2012). These mitigation ratios are based on Tier level of the vegetation community, wetland type, the location of the impact and the location of the mitigation site(s). For example, impacts to lands inside of an MHPA and mitigated outside an MHPA would have the highest mitigation ratio whereas impacts to lands outside an MHPA and mitigated inside an MHPA would have the lowest mitigation ratio.

Subsequent activities (e.g., future development projects) would need to evaluate the specific impacts and proposed mitigation to determine the level of mitigation required.

Mitigation for impacts to conserved lands from circulation element roads (i.e., Beyer Boulevard, Airway Road, and Del Sol Boulevard) would be based on the Tier habitat as required by the City's Biology Guidelines. However, an additional 1:1 ratio would be added to the City required mitigation ratio in order to replace the lands that were previously preserved as open space. Mitigation lands purchased to compensate for impacts to areas within conserved lands must be located in the Otay Mesa area if feasible.

TABLE 8
MITIGATION RATIOS FOR IMPACTS TO UPLAND VEGETATION COMMUNITIES AND LAND COVER TYPES

Tier	Habitat Type	Mitigation Ratios			
TIER 1 (rare uplands)	Southern Foredunes Torrey Pines Forest Coastal Bluff Scrub Maritime Succulent Scrub Maritime Chaparral Scrub Oak Chaparral Native Grassland Oak Woodlands	Location of Preservation			
				Inside	Outside
		Location of Impact	Inside*	2:1	3:1
			Outside	1:1	2:1
TIER II (uncommon uplands)	Coastal Sage Scrub (CSS) CSS/Chaparral	Location of Preservation			
				Inside	Outside
		Location of Impact	Inside*	1:1	2:1
			Outside	1:1	1.5:1
TIER III A (common uplands)	Mixed Chaparral Chamise Chaparral	Location of Preservation			
				Inside	Outside
		Location of Impact	Inside*	2:1	3:1
			Outside	1:1	2:1
TIER III B (common uplands)	Non-Native Grasslands	Location of Preservation			
				Inside	Outside
		Location of Impact	Inside*	1:1	1.5:1
			Outside	0.5:1	1:1

Notes:

For all Tier I impacts, the mitigation could (1) occur within the MHPA portion of Tier I (in Tier) or (2) occur outside of the MHPA within the affected habitat type (in-kind).

For impacts on Tier II, IIIA, and IIIB habitats, the mitigation could (1) occur within the MHPA portion of Tiers I – III (out-of-kind) or (2) occur outside of the MHPA within the affected habitat type (in-kind). Project-specific mitigation will be subject to applicable mitigation ratios at the time of project submittal.

6.2 Sensitive Plants

Prior to any grading or vegetation clearing for future projects in the CPU area, focused rare plant surveys shall be conducted during the appropriate time of year to optimize detection of potentially occurring rare plants. An impact assessment and mitigation plan would be prepared and implemented in accordance with the MSCP and City Biology Guidelines. Mitigation for impacts to rare plant species shall be in accordance with established MSCP mitigation ratios as specified within the City's Biology Guidelines (City of San Diego 2012).

6.3 Sensitive Wildlife

At the time subsequent activities and future development proposals are brought forward pursuant to the adopted CPU, projects shall be analyzed in accordance with the CEQA Significance Thresholds and mitigation requirements and protocols would be required to ensure that impacts to sensitive species are reduced to below a level of significance. This includes site-specific biological resources surveys and a biological survey report that identifies any direct or indirect impacts to wildlife, including impacts to wildlife movement or habitat, as required by the City's Biology Guidelines (2012). Mitigation measures may include the following:

6.3.1 Fairy Shrimp

Prior to the issuance of grading permits for future projects in the CPU area, protocol surveys shall be completed to confirm the presence/absence of San Diego fairy shrimp and/or Riverside fairy shrimp. If San Diego fairy shrimp and/or Riverside fairy shrimp are identified on-site, authorization for take of the species shall be obtained from the USFWS prior to impacts to the species or its occupied habitat. A draft vernal pool HCP is currently being prepared by the City in coordination with the Wildlife Agencies. If adopted, the City would have "take" authority for fairy shrimp occurring within the vernal pool HCP areas. Mitigation for impacts to fairy shrimp within the vernal pool HCP areas would be required to comply with the vernal pool HCP.

Direct impacts to vernal pool habitat and species may also require permits from USACE, RWQCB, and CDFW. Any required permits shall be obtained prior to issuance of any construction permits in areas impacting fairy shrimp or vernal pool habitat or species. Mitigation shall be determined at the project level and be developed in consultation with the City of San Diego and Wildlife Agencies.

6.3.2 Quino Checkerspot Butterfly

Prior to the issuance of construction permits for future projects in the CPU area, protocol surveys shall be completed to confirm the presence/absence of the Quino checkerspot butterfly. If the species is not identified, then no mitigation would be required. If the butterfly is identified on-site, authorization for take of the species shall be obtained from the USFWS prior to impacts to the species or its occupied habitat. If authorization is obtained, mitigation measures such as the avoidance of occupied habitat and/or the acquisition of occupied habitat shall be developed in consultation with the USFWS and the City of San Diego.

6.3.3 Coastal California Gnatcatchers

Prior to the issuance of construction permits for future projects in the CPU area, protocol surveys shall be completed in suitable habitat for the coastal California gnatcatcher. If the species is determined to occupy the site, the loss of occupied habitat shall be mitigated for in accordance with the City of San Diego's Biology Guidelines and MSCP Subarea Plan.

6.3.4 Sensitive Nesting Species

To reduce potentially significant impacts that would interfere with the nesting, foraging, or movement of wildlife species within the CPU area, all future projects implemented shall be analyzed in accordance with the CEQA Significance Thresholds, which require that site-specific biological resources surveys be conducted in accordance with City of San Diego Biology Guidelines. The limits of any identified local-scale wildlife corridors or habitat linkages shall be identified and analyzed in relation to local fauna, and the conversion of vegetation communities (e.g., nonnative grassland to riparian or agricultural to developed) shall be analyzed for its effects. Engineering design specifications based on project-level grading and site plans shall be incorporated into the project design to minimize direct impacts on sensitive wildlife species and to provide for continued wildlife movement through the corridor. Measures that shall be incorporated into project level construction activities to address wildlife movement prior to issuance of any grading permits shall include the following.

- If project grading is proposed during the raptor breeding season (February 1 to September 15), the project biologist shall conduct a pre-grading survey for active raptor nests within 300 feet of the development area and submit a letter report to MMC prior to the preconstruction meeting. If active raptor nests are detected, the report shall include mitigation in conformance with the City's Biology Guidelines (i.e., appropriate buffers, monitoring schedules, etc.) to the satisfaction of the City's Environmental Department. Mitigation requirements determined by the project biologist shall be incorporated into the project's Biological Construction Monitoring Exhibit, and monitoring results shall be incorporated into the final biological construction monitoring report. If no nesting raptors are detected during the pre-grading survey, no mitigation is required. Pre-grading clearance surveys shall be completed as required to comply with the FESA, MBTA, Bald and Golden Eagle Protection Act, State Fish and Game Code, and/or ESL Regulations.

- Prior to the issuance of any construction permit during the nesting season for other sensitive birds (cactus wren, February 15-August 15; least Bell's vireo, March 15-September 15; coastal California gnatcatcher, March 1-August 15; burrowing owl February 1–August 31), the City Manager (or appointed designee)

shall verify that the MHPA boundaries and the following project requirements regarding nesting cactus wren, least Bell's vireo, burrowing owl, and/or coastal California gnatcatcher are shown on the construction plans:

No clearing, grubbing, grading, or other construction activities shall occur during the breeding seasons for cactus wren, least Bell's vireo, and/or coastal California gnatcatcher, until the following requirements have been met to the satisfaction of the City Manager:

A. A Qualified Biologist (possessing a valid Endangered Species Act Section 10(a)(1)(a) Recovery Permit) shall survey those habitat areas within the MHPA that would be subject to construction noise levels exceeding 60 decibels [dB(a)] hourly average for the presence of cactus wren, least Bell's vireo, and/or coastal California gnatcatcher. Surveys for cactus wren, least Bell's vireo, and/or coastal California gnatcatcher shall be conducted pursuant to the protocol survey guidelines established by the U.S. Fish and Wildlife Service within the breeding season prior to the commencement of any construction. If any of the aforementioned species are present, then the following conditions must be met:

    I. Between breeding seasons for cactus wren, least Bell's vireo, and/or coastal California gnatcatcher, no clearing, grubbing, or grading of occupied habitat shall be permitted. Areas restricted from such activities shall be staked or fenced under the supervision of a Qualified Biologist; and

    II. During the breeding seasons for cactus wren, least Bell's vireo, and/or coastal California gnatcatcher, no construction activities shall occur within any portion of the site where construction activities would result in noise levels exceeding 60dB(A) hourly average at the edge of occupied habitat. An analysis showing that noise generated by construction activities would not exceed 60 dB(A) hourly average at the edge of occupied habitat must be completed by a Qualified Acoustician (possessing current noise engineer license or registrations with monitoring noise level experience with listed animal species) and approved by the City Manager at least two weeks prior to the commencement of construction activities. Prior to the commencement of construction activities during the breeding season, areas restricted from such activities shall be staked or fenced under the supervision of a Qualified Biologist; or

    III. At least two weeks prior to the commencement of construction activities, under the direction of a qualified acoustician, noise attenuation measures (i.e., berms, walls) shall be implemented to ensure that noise levels resulting from construction activities will not exceed 60 dB(A) hourly average at the edge of occupied habitat. Concurrent with the

commencement of construction activities and the construction of necessary noise attenuation facilities, noise monitoring* shall be conducted at the edge of the occupied habitat area to ensure that noise levels do not exceed 60 dB(A) hourly average. If noise attenuation techniques implemented are determined to be inadequate by the Qualified Acoustician or biologist, then the associated construction activities shall cease until such time that adequate noise attenuation is achieved or until the end of the breeding season.

* Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and City Manager, as necessary, to reduce noise levels to below 60 dB(A) hourly average of to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

B. If cactus wren, least Bell's vireo, and/or coastal California gnatcatcher are not detected during the protocol survey, the qualified biologist shall submit substantial evidence to the City Management wand applicable resource agencies which demonstrates whether or not mitigation measures such as noise walls are necessary during the breeding season as follows:

I. If this evidence indicates the potential is high for cactus wren, least Bell's vireo, and/or coastal California gnatcatcher to be present based on historical records or site conditions, then condition A.II or A.III shall be adhered to as specified above.

II. If this evidence concludes that no impacts to this species are anticipated, no further mitigation measures are necessary.

6.3.5 Raptors/Migratory Birds

If project grading is proposed during the raptor breeding season (February 1 to September 15), the project biologist shall conduct a pre-grading survey for active raptor nests within 300 feet of the development area and submit a letter report to MMC prior to the preconstruction meeting. If active raptor nests are detected, the report shall include mitigation in conformance with the City's Biology Guidelines (i.e., appropriate buffers, monitoring schedules, etc.) to the satisfaction of the City's ED. In addition, work near any active nests during the breeding season must include suitable noise abatement

measures. Noise attenuation shall be required that would ensure construction noise levels at the MHPA boundary would not exceed 60 dB(A) L_{eq}. If northern harriers or golden eagle nests are found during such pre-grading survey, the 300-foot buffer for raptors shall be extended to 900 or 4,000 feet, respectively. Mitigation requirements determined by the project biologist shall be incorporated into the project's Biological Construction Monitoring Exhibit, and monitoring results shall be incorporated into the final biological construction monitoring report. If no nesting raptors are detected during the pre-grading survey, no mitigation is required. Pre-grading clearance surveys shall be completed as required to comply with the ESA, MBTA, Bald and Golden Eagle Protection Act, State Fish and Game Code, and/or ESL Regulations.

6.3.6 Burrowing Owls

Prior to issuance of construction permits for future projects in the CPU area, a habitat assessment would be conducted to determine whether or not occupancy surveys are needed. Should burrowing owl habitat or sign be encountered on or within 150 meters of the project site, breeding season surveys would be conducted. If occupancy is determined, site-specific avoidance and mitigation measures would be developed in accordance with the protocol established in the Staff Report on Burrowing Owl Mitigation (CDFW 2012). Measures to avoid and minimize impacts to burrowing owl may include take avoidance (pre-construction) surveys, site surveillance, and the use of buffers, screens, or other measures to minimize impacts during project activities.

6.3.7 Coastal Cactus Wren

Prior to issuance of construction permits for future projects in the CPU area, any habitat considered suitable for the presence of coastal cactus wren shall be surveyed to determine presence or absence. If the species is present mitigation measures shall include area-specific management directives contained in the MSCP for the coastal cactus wren that include the restoration of maritime succulent scrub with propagation of cactus patches within the MHPA, adaptive management of cactus wren habitat, monitoring of populations, and compliance with the MHPA Land Use Adjacency Guidelines to reduce detrimental edge effects. No clearing of occupied habitat may occur from the period of February 15 to August 15.

6.4 Wildlife Movement Corridors

To reduce potentially significant impacts that would interfere with the nesting, foraging, or movement of wildlife species, all future discretionary projects implemented in accordance with the CPU shall be analyzed in accordance with the CEQA Significance Thresholds. This includes site-specific biological resources surveys and a biological survey report that identifies any direct or indirect impacts to wildlife, including impacts to

wildlife movement or habitat, as required by the City's Biology Guidelines (2012). Engineering design specifications based on project-level grading and site plans shall incorporate minimization and avoidance measures into the project design to minimize or eliminate direct impacts on wildlife movement consistent with the MSCP Subarea Plan's General Planning Policies and Design Guidelines (1997) aimed at protecting the integrity of the wildlife corridors would be incorporated.

Relevant development standards from the MSCP Subarea Plan's Construction and Maintenance Policies (1997) are as follows:

1. All proposed utility lines (e.g., sewer, water, etc.) should be designed to avoid or minimize intrusion into the MHPA. These facilities should be routed through developed or developing areas rather than the MHPA, where possible. If no other routing is feasible, then the lines should follow previously existing roads, easements, rights-of-way and disturbed areas, minimizing habitat fragmentation.

2. All new development for utilities and facilities within or crossing the MHPA shall be planned, designed, located and constructed to minimize environmental impacts. All such activities must avoid disturbing the habitat of MSCP covered species, and wetlands. If avoidance is infeasible, mitigation will be required.

3. Temporary construction areas and roads, staging areas, or permanent access roads must not disturb existing habitat unless determined to be unavoidable. All such activities must occur on existing agricultural lands or in other disturbed areas rather than in habitat. If temporary habitat disturbance is unavoidable, then restoration of, and/or mitigation for, the disturbed area after project completion will be required.

4. Construction and maintenance activities in wildlife corridors must avoid significant disruption of corridor usage. Environmental documents and mitigation monitoring and reporting programs covering such development must clearly specify how this will be achieved, and construction plans must contain all the pertinent information and be readily available to crews in the field. Training of construction crews and field workers must be conducted to ensure that all conditions are met. A responsible party must be specified.

5. Roads in the MHPA will be limited to those identified in Community Plan Circulation Elements, collector streets essential for area circulation, and necessary maintenance/emergency access roads. Local streets should not cross the MHPA except where needed to access isolated development areas.

6. Development of roads in canyon bottoms should be avoided whenever feasible. If an alternative location outside the MHPA is not feasible, then the road must be designed to cross the shortest length possible of the MHPA in order to minimize

impacts and fragmentation of sensitive species and habitat. If roads cross the MHPA, they should provide for fully-functional wildlife movement capability. Bridges are the preferred method of providing for movement, although culverts in selected locations may be acceptable. Fencing, grading and plant cover should be provided where needed to protect and shield animals, and guide them away from roads to appropriate crossings.

7. Where possible, roads within the MHPA should be narrowed from existing design standards to minimize habitat fragmentation and disruption of wildlife movement and breeding areas. Roads must be located in lower quality habitat or disturbed areas to the extent possible.

8. For the most part, existing roads and utility lines are considered a compatible use within the MHPA and therefore will be maintained. Exceptions may occur where underutilized or duplicative road systems are determined not to be necessary as identified in the Framework Management Section 1.5 [of the MSCP Subarea Plan].

   Relevant development standards from the MSCP Subarea Plan's Fencing, Lighting, and Signage Policies (1997) are as follows:

   a. Fencing or other barriers will be used where it is determined to be the best method to achieve conservation goals and adjacent to land uses incompatible with the MHPA. For example, use chain link or cattle wire to direct wildlife to appropriate corridor crossings, natural rocks/boulders or split rail fencing to direct public access to appropriate locations, and chain link to provide added protection of certain sensitive species or habitats (e.g., vernal pools).

   b. Lighting shall be designed to avoid intrusion into the MHPA and effects on wildlife. Lighting in areas of wildlife crossings should be of low-sodium or similar lighting. Signage will be limited to access and litter control and educational purposes.

6.5 Jurisdictional Waters/Wetlands

To reduce potential direct impacts on City, state, and federally regulated wetlands, all subsequent projects developed in accordance with the CPU, including future projects, shall be required to comply with USACE Clean Water Act Section 404 requirements and special conditions, CDFW Section 1602 Streambed Alteration Agreement (SAA) requirements and special conditions, and the City of San Diego ESL Regulations for minimizing impacts on wetlands. Achieving consistency with these regulations for impacts on wetlands and special aquatic sites would reduce potential impacts on

regulated wetlands and provide compensatory mitigation(as required) to ensure no net-loss of wetland habitats.

Prior to obtaining discretionary permits for future projects, a site-specific biological resources survey shall be completed in accordance with City of San Diego Biology Guidelines. Any required mitigation for impacts shall be outlined in a conceptual mitigation plan following the outline provided in Attachment III of the City Guidelines for Conducting Biological Surveys. In addition, a preliminary or final jurisdictional wetlands delineation of the project site shall be completed following the methods outlined in the USACE's 1987 *Wetlands Delineation Manual* and the *Regional Supplement to the Corps of Engineers Delineation Manual for the Arid West Region*. A determination of the presence/absence and boundaries of any Waters of the U.S. and Waters of the State shall also be completed following the appropriate USACE guidance documents for determining OHWM boundaries. The limits of any riparian habitats on-site under the sole jurisdiction of CDFW shall also be delineated, as well as any special aquatic sites (excluding vernal pools) that may not meet federal jurisdictional criteria but are regulated by the RWQCB. Engineering design specifications based on project-level grading and site plans shall be incorporated into the project design to minimize direct impacts on wetlands, jurisdictional waters, riparian habitats, vernal pools, etc. consistent with federal, state, and City guidelines.

Additionally, any impacts to wetlands in the City of San Diego would require a deviation from the ESL wetland regulations. Under the wetland deviation process, development proposals that have wetland impacts may be considered only pursuant to one of three options; Essential Public Projects, Economic Viability Option, or Biologically Superior Option. ESL Regulations require that impacts to wetland be avoided. Unavoidable impacts to wetlands should be minimized to the maximum extent practicable and mitigated as follows:

- As part of the project-specific environmental review pursuant to CEQA, all unavoidable wetland impacts will need to be analyzed, and mitigation will be required in accordance with ratios shown in Tables 9a and 9b. Mitigation should be based on the impacted type of wetland and project design. Mitigation should prevent any net loss of wetland functions and values of the impacted wetland.

- For the Biologically Superior Option, the project and proposed mitigation shall include avoidance, minimization, and compensatory measures, which would result in a biologically superior net gain in overall function and values of (a) the type of wetland resource being impacted and/or (b) the biological resources to be conserved. The Biologically Superior Option mitigation shall include either (1) standard mitigation per Table 9a, including wetland creation or restoration of the same type of wetland resource that is being impacted that results in high quality wetlands; and a biologically superior project design whose avoided area(s) (i) is in a configuration or alignment that optimizes the potential long-term biological

viability of the on-site sensitive biological resources, and/or (ii) conserves the rarest and highest quality on-site biological resources; or (2) for a project not considered consistent with "1" above, extraordinary mitigation per Table 9b is required.

TABLE 9a
CITY OF SAN DIEGO WETLAND MITIGATION RATIOS
(with Biologically Superior Design)

Vegetation Community	Mitigation Ratio
Riparian	2:1 to 3:1
Vernal pool*	2:1 to 4:1
Basin with fairy shrimp*	2:1 to 4:1
Freshwater marsh	2:1

*The City currently does not have take authority for vernal pools. A draft vernal pool HCP is currently being prepared by the City in coordination with the Wildlife Agencies. If adopted, the City would have "take" authority for the vernal pool species occurring within the vernal pool HCP areas.

TABLE 9b
CITY OF SAN DIEGO WETLAND MITIGATION RATIOS
(without Biologically Superior Design Outside of the Coastal Zone)

Vegetation Community	Mitigation Ratio
Riparian	4:1 to 6:1
Vernal pool*	4:1 to 8:1
Basin with fairy shrimp*	4:1 to 8:1
Freshwater marsh	4:1

*The City currently does not have take authority for vernal pools. A draft vernal pool HCP is currently being prepared by the City in coordination with the Wildlife Agencies. If adopted, the City would have "take" authority for the vernal pool species occurring within the vernal pool HCP areas.

As part of any future project-specific environmental review pursuant to CEQA, all unavoidable wetlands impacts (both temporary and permanent) would need to be analyzed and mitigation required in accordance with Table 3.3-4 of the City Biology Guidelines (see Table 2); mitigation must be based on the impacted type of wetland habitat. Mitigation must prevent any net loss of wetland functions and values of the impacted wetland. The following provides operational definitions of the four types of activities that constitute wetland mitigation under the ESL Regulations:

- **Wetland creation** is an activity that results in the formation of new wetlands in an upland area. An example is excavation of uplands adjacent to existing wetlands and the establishment of native wetland vegetation.

- **Wetland restoration** is an activity that re-establishes the habitat functions of a former wetland. An example is the excavation of agricultural fill from historic wetlands and the re-establishment of native wetland vegetation.

- **Wetland enhancement** is an activity that improves the self-sustaining habitat functions of an existing wetland. An example is removal of exotic species from existing riparian habitat.

- **Wetland acquisition** may be considered in combination with any of the three mitigation activities above.

Wetland enhancement and wetland acquisition focus on the preservation or the improvement of existing wetland habitat and function and do not result in an increase in wetland area; therefore, a net loss of wetland may result. As such, acquisition and/or enhancement of existing wetlands may be considered as partial mitigation only for any balance of the remaining mitigation requirement after restoration or creation if wetland acreage is provided at a minimum of a 1:1 ratio. For permanent wetland impacts that are unavoidable and minimized to the maximum extent feasible, mitigation must consist of creation of new in-kind habitat to the fullest extent possible and at the appropriate ratios. If on-site mitigation is not feasible, then at least a portion of the mitigation must occur in the same watershed. The City's Biology Guidelines and MSCP Subarea Plan require that impacts on wetlands, including vernal pools, shall be avoided, and that a sufficient wetland buffer shall be maintained, as appropriate, to protect resource functions/values. The City biology report shall include an analysis of on-site wetlands (including City, state, and federal jurisdiction analysis) and, if present, include project alternatives that fully/substantially avoid wetland impacts. Detailed evidence supporting why there is no feasible less environmentally damaging location or alternative to avoid any impacts must be provided for City staff review, as well as a mitigation plan that specifically identifies how the project is to compensate for any unavoidable impacts. A conceptual mitigation program (which includes identification of the mitigation site) must be approved by City staff prior to the release of the draft environmental document. Avoidance is the first requirement; mitigation can only be used for impacts clearly demonstrated to be unavoidable.

Prior to the commencement of any construction-related activities on-site for projects impacting wetland habitat (including earthwork and fencing) the applicant shall provide evidence of the following to the Assistant Deputy Director (ADD)/Environmental Department prior to any construction activity:

- Compliance with USACE Section 404 nationwide permit;

- Compliance with the RWQCB Section 401 Water Quality Certification; and

- Compliance with the CDFW Section 1601/1603 Streambed Alteration Agreement.

6.5.1 Vernal Pools

The City of San Diego no longer has federal coverage for certain vernal pool species. As of the date of surrender, April 20, 2010, the City has relinquished federal coverage and does not rely on the City's federal ITP to authorize an incidental take of the two vernal pool animal species and five vernal pool plant species. Species that have been removed from the MSCP covered species list include: San Diego fairy shrimp (*Branchinecta sandiegonensis*), Riverside fairy shrimp (*Streptocephalus woottonii*), Otay mesa mint (*Pogogyne nuduliscula*), California Orcutt grass (*Orcuttii* californica), San Diego button celery (*Eryngium aristulatum*), San Diego mesa mint (*Pogogyne abramsii*), and spreading navarretia (*Navarretia fossalis*). Upon approval of the City of San Diego Vernal Pool HCP, the City will receive take authorization for the seven vernal pool species through an ITP and associated IA by and between USFWS and CDFW.

Impacts to vernal pools would require assessments of vernal pool flora and fauna, hydrology, habitat function, and restoration potential and protocol fairy shrimp surveys, in addition to the requirements listed above. Impacts to fairy shrimp shall require either a section 10(a)1(A) permit or Section 7 consultation Biological Opinion from USFWS. If the vernal pool HCP is adopted, the City will receive take authorization for the seven vernal pool species.

Mitigation for projects impacting vernal pools within the City of San Diego shall include salvage of sensitive species from vernal pools to be impacted, introduction of salvaged material into restored vernal pool habitat where appropriate (e.g., same vernal pool series), and maintenance of salvaged material pending successful restoration of the vernal pools. Salvaged material shall not be introduced to existing vernal pools containing the same species outside the vernal pool series absent consultation with and endorsement by vernal pool species experts not associated with the project (e.g., independent expert). The mitigation sites shall include preservation of the entire watershed and a buffer based on functions and values; however, if such an analysis is not conducted, there shall be a default of a 100-foot buffer from the watershed. Restoration of vernal pools shall only be conducted within an area that has been known to historically support vernal pools. Identification and implementation of restoration in such "vernal pool preserve(s)" should occur in coordination with the City of San Diego and Wildlife Agencies. Currently, a vernal pool HCP is being prepared by the City of San Diego in coordination with the Wildlife Agencies. Future vernal pool mitigation would be required to comply with the vernal pool HCP if adopted.

6.6 Multi-Habitat Planning Area

At the time future development projects are proposed, impacts to vegetation communities and sensitive species would be assessed and mitigated according to the wetland and upland ratios defined in the Land Development Manual – Biology Guidelines (City of San Diego 2012). In addition, MHPA boundary adjustments may be processed through the City in conjunction with future development proposals. Proposed boundary adjustments shall maintain the overall existing preserve configuration. In order to adjust the MHPA boundary, the applicant must demonstrate that the area to be traded for MHPA lands is equivalent or better functionally than the area requested for removal from the MHPA. There are six biological factors that shall be considered in assessing functional equivalency.

- The adjustment will increase the amount of sufficiently and significantly conserved habitat.
- The adjustment will increase habitat for MSCP covered species.
- The adjustment will not affect habitat linkages and functions of the MHPA preserved areas.
- The adjustment will improve the MHPA configuration by removing a disturbed area and adding nesting and foraging habitat to the MHPA lands.
- The adjustment will not result in a loss of ecotones or other factors that affect species diversity. The adjustment will add habitat to the MHPA.
- The adjustment will be beneficial to species that are not on the MSCP covered species list.

6.7 MHPA Land Use Adjacency Guideline Compliance

Indirect impacts to the MHPA from the CPU would be mitigated for at the project level. Projects adjacent to the MHPA would incorporate features into the project and/or permit conditions that demonstrate compliance with the MHPA Land Use Adjacency Guidelines. To ensure avoidance or reduction of potential MHPA impacts resulting from land use adjacency, the following mitigation measures shall be implemented by future projects at the time of future development permit processing:

All subsequent development projects in the CPU area adjacent to designated MHPA areas shall comply with the Land Use Adjacency Guidelines of the MSCP in terms of land use, drainage, access, toxic substances in runoff, lighting, noise, invasive plant species, grading, and brush management requirements. Mitigation measures include, but are not limited to: sufficient buffers and design features, barriers (rocks,

boulders, signage, fencing, and appropriate vegetation) where necessary, lighting directed away from the MHPA, and berms or walls adjacent to commercial or industrial areas and any other use that may introduce construction noise or noise from future development that could impact or interfere with wildlife utilization of the MHPA. The project biologist for each proposed project would identify specific mitigation measures needed to reduce impacts to below a level of significance. Subsequent environmental review would be required to determine the significance of impacts from land use adjacency and compliance with the Land Use Adjacency Guidelines of the MSCP. Prior to approval of any subsequent development project in an area adjacent to a designated MHPA, the Environmental Designee of the City of San Diego and the Development Services Department shall identify the specific provisions which shall be included in the conditions of approval in order to avoid or to reduce potential impacts to adjacent MHPA to below significance.

Specific requirements shall include:

- Prior to the issuance of occupancy permits, development areas shall be permanently fenced where development is adjacent to the MHPA to deter the intrusion of people and/or pets into the MHPA open space areas. Signage may be installed as an additional deterrent to human intrusion as required by the City.
- The use of structural and nonstructural best management practices (BMPs), including sediment catchment devices, shall be required to reduce the potential indirect impacts associated with construction to drainage and water quality. Drainage shall be directed away from the MHPA or, if not possible, must not drain directly into the MHPA. Instead, runoff shall flow into sedimentation basins, grassy swales, or mechanical trapping devices prior to draining into the MHPA. Drainage shall be shown on the site plan and reviewed satisfactory to the City Engineer.
- All outdoor lighting adjacent to open space areas shall be shielded to prevent light over-spill off-site. Shielding shall consist of the installation of fixtures that physically direct light away from the outer edges of the road or landscaping, berms, or other barriers at the edge of development that prevent light over spill.
- The landscape plan for the project shall contain no exotic plant/invasive species and shall include an appropriate mix of native species which shall be used adjacent to the MHPA native habitat areas.
- All manufactured slopes must be included within the development footprint and outside the MHPA.
- All brush management areas shall be shown on the site plan and reviewed and approved by the ED. Zone 1 brush management areas must be included within the development footprint and outside the MHPA. Brush management Zone 2

may be permitted within the MHPA (considered impact neutral) but cannot be used as mitigation. Vegetation clearing shall be done consistent with City standards and shall avoid/minimize impacts to covered species to the maximum extent possible. For all new development, regardless of the ownership, the brush management in the Zone 2 area will be the responsibility of a homeowners association or other private party.

- Access to the MHPA, if any, shall be directed to minimize impacts and shall be shown on the site plan and reviewed and approved by the ED.

- Land uses, such as recreation and agriculture, that use chemicals or generate by-products such as manure, that are potentially toxic or impactive to wildlife, sensitive species, habitat, or water quality need to incorporate measures to reduce impacts caused by the application and/or drainage of such materials into the MHPA. Such measures should include drainage/detention basins, swales, or holding areas with non-invasive grasses or wetland-type native vegetation to filter out the toxic materials. Regular maintenance should be provided. Where applicable, this requirement should be incorporated into leases on publicly owned property as leases come up for renewal.

Implementation of the draft CPU policies and future compliance with established development standards and regulations would serve to reduce biological resource impacts to a degree, but cannot guarantee that all future project-level impacts would be avoided or mitigated to below a level of significance. Because the extent of future development projects is unknown at this time, the degree of impact and applicability, feasibility, and success of these measures cannot be accurately predicted for each specific project at this time. Therefore, direct and/or indirect impacts to the number of unique, rare, endangered, sensitive, or fully protected species of plants or animals, and sensitive vegetation communities (including wetlands) are considered significant and unavoidable at the Community Plan level.

6.8 Mitigation for Cumulative Impacts

Mitigation measures for direct and indirect cumulative impacts to biological resources would be developed at the project level. Mitigation measures would be developed accordance with the mitigation framework identified in the PEIR and the City‘s Biological Guidelines, ESL Regulations, and the MSCP Subarea Plan.

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