Otay Hills Construction Aggregate and Inert Debris Engineered Fill Operation Project

Appendix H

Air Quality Analysis Technical Report

for the

Public Review Draft Environmental Impact Report

PDS2004-3300-04-004 (MUP);
PDS2004-3310-04-001 (RP);
PDS2010-3813-10-002 (SPA);
Log No. 04-190-04

June 2020

Prepared for:

County of San Diego
Planning & Development Services
5510 Overland Avenue, Suite 310
San Diego, California 92123

Air Quality Analysis Technical Report

Otay Hills Construction Aggregate and Inert Debris Engineered Fill Operation Project

PDS2004-3300-04-004 (MUP); PDS2004-3310-04-001 (RP); PDS2010-3813-10-002 (SPA); Log No. 04-190-04

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June 2020

TABLE OF CONTENTS

Section **Page**

EXECUTIVE SUMMARY ES-1

1.0 INTRODUCTION 1

1.1 Purpose of the Report 1
1.2 Project Location and Description 1
1.2.1 Project Location 1
1.2.2 Project Description 1
1.2.3 Project Component Parts 3

2.0 EXISTING CONDITIONS 14

2.1 Existing Setting 14
2.2 Climate and Meteorology 15
2.2.1 Air Pollutants of Concern 17
2.3 Regulatory Setting 21
2.3.1 Air Quality Standards 21
2.3.2 CARB Air Quality and Land Use Handbook 27
2.3.3 SDAPCD Rules and Regulations 30
2.4 Background Air Quality 31

3.0 SIGNIFICANCE CRITERIA AND ANALYSIS METHODOLOGIES 32

3.1 Significance Criteria 32
3.2 Methodology 36
3.2.1 Worst Case Daily Operational Emission Assumptions 39
3.2.2 Construction Emissions – Phase 1 Site Development Assumptions 40
3.2.3 Operational Emissions – Phase 2, Phase 3, and Phase 4 Assumptions 41
3.2.4 Air Dispersion Modeling for Criteria Pollutants 52
3.2.5 Background Ambient Air Concentrations 53
3.2.6 AERMOD Modeling Scenarios and Emissions 54
3.2.7 Blasting Modeling 54
3.2.8 Carbon Monoxide Hot Spot Modeling 54
3.2.9 Health Risk Assessment 55
3.2.10 HARP Modeling 55

4.0 PROJECT IMPACT ANALYSIS 56

4.1 Conformance to the Regional Air Quality Strategy 56
4.1.1 Guidelines for the Determination of Significance 56
4.1.2 Significance of Impacts Prior to Mitigation 56
4.1.3 Mitigation Measures and Design Considerations 58
4.1.4 Conclusions 58
4.2 Conformance to Federal and State Ambient Air Quality Standards 58
4.2.1 Construction Impacts 58
4.2.2 Operational Impacts 66

TABLE OF CONTENTS (cont.)

Section **Page**

4.3 Cumulatively Considerable Net Increase of Criteria Pollutants 78
4.3.1 Construction Impacts 78
4.3.2 Operational Impacts 80
4.4 Impacts to Sensitive Receptors 82
4.4.1 Guidelines for the Determination of Significance 82
4.4.2 Significance of Impacts Prior to Mitigation 84
4.4.3 Mitigation Measures and Design Considerations 87
4.4.4 Conclusions 87
4.5 Odor Impacts 87
4.5.1 Guidelines for the Determination of Significance 87
4.5.2 Significance of Impacts Prior to Mitigation 88
4.5.3 Mitigation Measures and Design Considerations 90
4.5.4 Conclusions 90

5.0 SUMMARY OF RECOMMENDED DESIGN FEATURES, IMPACTS AND MITIGATION 90

6.0 REFERENCES 94

7.0 LIST OF PREPARERS AND PERSONS AND ORGANIZATIONS CONTACTED 99

7.1 Preparers 99
7.2 Contacts 99

LIST OF APPENDICES

A Emission Calculation Spreadsheets
B Tanks Input and Output Files
C Meteorological Data Files
D AERMOD Dispersion Modeling Data Files
E OBODM Dispersion Modeling Data Files
F CALINE4 CO Hot-Spot Dispersion Modeling Data Files
G HARP Project Summary Output
H San Diego County Construction Aggregate Market Study
I Otay Hills Quarry – Revised VMT Analysis

TABLE OF CONTENTS (cont.)

LIST OF FIGURES

No.	Title	On or Follows Page
1	Regional Location Map	2
2	Aerial Photograph	2
3	Project Site Plan	4
4	Proposed Facilities Layout	6
5	Wind Rose – Brown Field Monitoring Station	16
6	Location of Sensitive Receptors	82

LIST OF TABLES

No.	Title	Page
1	Quarry and Reclamation Plan Data Summary	2
2	Health Effects Summary of the Major Criteria Air Pollutants	19
3	Ambient Air Quality Standards	24
4	Federal and State Air Quality Designation	27
5	Health Risk Assessment Results for Aggregate Processing Facilities in San Diego County	29
6	Ambient Background Concentrations at the Otay Mesa-Donovan Monitoring Station	32
7	Screening-Level Thresholds for Air Quality Impact Analysis	34
8	Emission Sources and Analysis Methodologies	37
9	Typical Site Equipment	38
10	Gaseous Emission Factors for Blasting	44
11	Construction Stages and Equipment Requirements	61
12	Estimated Daily Construction Emissions for Each Component: Phase 1 (2019)	63
13	Estimated Annual Construction Emissions for Each Component: Phase 1 (2019)	64
14	Estimated Aggregate Material Process	67
15	Total Peak Daily Operational Emissions for Phase 2 (2020 - 2042)	70
16	Total Peak Daily Operational Emissions for Phase 3 (2042 - 2110)	70
17	Total Peak Daily Operational Emissions for Phase 4 (Post 2113)	71
18	Total Annual Operational Emissions for Phase 2 (2020 - 2042)	72
19	Total Annual Operational Emissions for Phase 3 (2042 - 2110)	73
20	Total Annual Operational Emissions for Phase 4 (Post 2110)	74
21	Maximum Impact of Blasting	75
22	CO “Hot Spots” Modeling Results – Horizon Year Conditions with Project (2020)	77
23	Cancer Risk and Hazard Index at the Maximum Exposed Individuals for Phases 2 and 3 Operational Activities	87

GLOSSARY OF TERMS AND ACRONYMS

AB	Assembly Bill
AMSL	above mean sea level
ANFO	ammonium nitrate/fuel oil mixture
AQIA	Air Quality Impact Assessment
ATC	Authority to Construct
ATCM	Airborne Toxic Control Measure
BACT	Best Available Control Technology
C&D	construction and demolition
CAA	Clean Air Act (federal)
CAAQS	California Ambient Air Quality Standard
CalEPA	California Environmental Protection Agency
CALINE4	California Line Source Dispersion Model (Version 4)
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Register
CH_4	methane
CO	carbon monoxide
CO_2	carbon dioxide
County	County of San Diego
CTB	cement-treated base plant
cy	cubic yards
DPM	diesel particulate matter
du	dwelling unit
EOMSP	East Otay Mesa Specific Plan
°F	degrees Fahrenheit
ft	feet
GHG	greenhouse gas
GVWR	gross vehicle weight rating
H_2S	hydrogen sulfide
HAP	hazardous air pollutants
HARP	Hotspots Analysis and Reporting Program
HI	hazard index

GLOSSARY OF TERMS AND ACRONYMS (cont.)

HIA	hazard index acute
HIC	hazard index chronic
HMA	hot mix asphalt plant
HRA	health risk assessment
hp	horsepower
I-5	Interstate 5
I-805	Interstate 805
IDEFO	Inert Debris Engineered Fill Operation
kg	kilogram
LAER	lowest achievable emission rate
lbs	pounds
LOS	level of service
m	meters
MCAS	Marine Corps Air Station
MEI	maximum exposed individual
mg/m^3	milligrams per cubic meter
MMT	million metric tons
mph	miles per hour
NAAQS	National Ambient Air Quality Standard
NDIR	Non-Dispersive Infrared Photometry
NO	nitrogen oxide
NO_2	nitrogen dioxide
NO_X	oxides of nitrogen
NSR	New Source Review
O_3	ozone
OEHHA	California Office of Environmental Health Hazard Assessment
OSP	Otay Subregional Plan
Pb	lead
PDS	Planning & Development Services (County of San Diego)
PM_{10}	respirable particulate matter (particulate matter with an aerodynamic diameter of 10 microns or less)
$PM_{2.5}$	fine particulate matter (particulate matter with an aerodynamic diameter of 2.5 microns or less)
ppb	parts per billion
ppm	parts per million
PSD	Prevention of Significant Deterioration

GLOSSARY OF TERMS AND ACRONYMS (cont.)

PTC	permit to construct
PVC	polyvinyl chloride
RACM	reasonably available control measures
RAP	recycled asphalt paving
RAQS	San Diego County Regional Air Quality Strategy
REL	reference exposure levels
RTP	Regional Transportation Plan
SANDAG	San Diego Association of Governments
SCAQMD	South Coast Air Quality Management District
SDAB	San Diego Air Basin
SDAPCD	San Diego County Air Pollution Control District
SIP	State Implementation Plan
SLT	screening-level threshold
SO_2	sulfur dioxide
SO_X	oxides of sulfur
SR	State Route
TACs	Toxic Air Contaminants
T-BACT	Best Available Control Technology for Toxics
tpd	tons per day
tph	tons per hour
tpy	tons per year
TSP	total suspended particulates
URF	unit risk factor
U.S.	United States
USEPA	U.S. Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
$\mu g/m^3$	micrograms per cubic meter

EXECUTIVE SUMMARY

This report presents an assessment of potential air quality impacts associated with the Otay Hills Construction Aggregate and Inert Debris Engineered Fill Operation (herein referred as to the "Project" or "Proposed Project"). The evaluation addresses the potential for air pollutant emissions during construction and operation of the Project, including an assessment of the potential for fugitive dust emissions due to the quarry and aggregate processing and diesel particulate matter emissions due to off-road equipment and haul trucks traffic operation.

The Proposed Project consists of an extraction aggregate mining operation, a recycled construction material facility, and the reclamation of each extraction area within the 105-acre property located in the unincorporated community of East Otay Mesa in south San Diego County area. Four phases are proposed for the extraction and reclamation over a 120-year period. The Proposed Project would result in emissions of air pollutants during both its construction phase and operational phase. Construction emissions would include emissions associated with fugitive dust, heavy construction equipment, and construction workers trips. All construction activities are assumed to occur in two separate components: mass grading/backbone infrastructure, and vertical building/paving; the construction stages would occur sequentially. Fugitive dust control measures are incorporated into the Project design to reduce particulate matter with an aerodynamic diameter of 10 and 2.5 microns or less (PM_{10} and $PM_{2.5}$, respectively). With the implementation of the fugitive dust control measures, the impact associated with the construction activities would be less than significant. Fugitive dust emissions would be controlled by using an on-site water truck to water down excavation areas and unpaved and paved roads at least three times daily.

Operational emissions would include emissions associated with fugitive dust, heavy construction equipment, mine workers' commutes, and haul truck trips to and from the site. All mine extraction and reclamation activities are assumed to occur in an overlapping schedule in three phases for approximately 90 years. Analysis of operational emissions determined the peak daily operational NO_X emissions during Phase 2 would exceed the daily threshold and would, therefore, result in a significant impact under CEQA. The majority of the Phase 2 emissions are a direct result of off-site truck trips. It is important to note, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a direct and cumulative significant and unavoidable operational impact related to emissions of NO_X during Phase 2. Emissions of all other criteria pollutants would be below the screening-level and significant thresholds for Project operations and, therefore, would be less than significant under CEQA.

The following is a list of control measures and best management practices that would help reduce fugitive dust emissions during operation of the facility:

- Fugitive dust emissions would be controlled by using an on-site water truck to water down excavation areas and unpaved and paved roads at least three times daily.

- Any blasting areas would be wet down prior to initiating the blast.

- The aggregate processing plant would be equipped with a water spray system to reduce emissions produced during the crushing and screening processes.

All heavy duty off-road equipment operating on the Project site would meet the state of California's Off-road Vehicle Regulations with a minimum of Tier 2 engines for Phases 1 and 2 and a minimum of Tier 4 engines for Phases 3 and 4. In addition, all off-road equipment shall be outfitted with BACT devices.

The Project Applicant, Superior Ready Mix, has designed the operation of the Proposed Project to include the implementation of the following measures, some of which fall under the required BACT guidelines. The design measures included in the air quality modeling and assessment include:

- Installation of baghouse emission control on cone crusher and impact crushers with the potential for emissions. This reduces PM_{10} emissions by estimated between 95 and 99 percent (NIOSH 2012).

- Installation of water spray emission controls on transfer points with the potential for emissions that are associated with the conveyors and screens. This reduces PM_{10} emissions by estimated 75 percent (NIOSH 2012).

- Paved access roads will be used for the majority of the haul routes for on-road delivery vehicles. The limited number of on-site unpaved haul roads would be chemically stabilized and/or routinely watered.

- Installation of an efficient material loading system to minimize the amount of product delivery trucks idling time.

- Utilization of material load-out chutes to minimize the potential for dust generation during product loading.

- Use of off-road equipment (such as off-road quarry haul trucks, loaders, graders, etc.) that meet required emission controls under United States Environmental Protection Agency (USEPA) and California Air Resources Board (CARB) off-road diesel vehicle regulations.

- Installation of emission controls on drilling equipment to minimize dust generation.

- Compliance with APCD permits for the Hot Mix Asphalt Plant would require the use of BACT, such as fiber bed mist collectors to ensure a relatively emission- and dust-free operation. A blue smoke control method would apply to all plant components that would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system work together to form a scavenger system. This involves:

- Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
- Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,
- Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
- Installing dampers within the ductwork to control airflow.

- Compliance with APCD permits for the Concrete Batch Plant would require the use of BACT, such as baghouse dust collectors to ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags. The Concrete Batch Plant would include:
  - 90 percent efficient fabric or cartridge-type vent filters on silos.
  - Enclosed aggregate and cement weigh hoppers, screw conveyors, and use of 90 percent efficient fabric filters for the concrete batcher vent to the baghouse.
  - Flexible shrouds that seal to the trucks along with a water sprinkler system to be used when dry products are mixed.
  - Installation of 90 percent efficient fabric filter shrouds to vent the baghouse.

Because localized traffic impacts at nearby intersections would have low traffic volumes, no exceedances of the carbon monoxide (CO) standard would occur, and the Project would not result in a significant impact for CO. Also, because the Project would be consistent with the land use planning zone and would not exceed the growth projections in the San Diego Association of Governments (SANDAG) growth forecasts for the Otay Subregional Plan Area, the Project would be in compliance with the San Diego County Regional Air Quality Strategy (RAQS), and, therefore, the impact would be less than significant.

Health risk assessments were conducted for construction and operations periods for toxic air contaminants. Both site development and operational impacts were found to be less than significant.

An evaluation of odors indicated that the Proposed Project would generate potential odors and gaseous fumes by evaporative emissions and tailpipe emissions from vehicles and diesel powered equipment during site development and operations. Operations of the asphalt plant would be a source of hydrogen sulfide odors. Blue smoke system is a standard pollution control device for the hot-mix asphalt facility, which will help control hydrocarbon emissions, including hydrogen sulfide. Such exhaust odors may create minor nuisance, but the odor impact would be less than significant.

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1.0 INTRODUCTION

1.1 Purpose of the Report

This report presents an assessment of potential air quality impacts associated with the Proposed Otay Hills Construction Aggregate and Inert Debris Operation (hereafter referred to as "Proposed Project" or "Project"), which includes (1) the extraction of construction-quality aggregate to be sold to the San Diego County market area; (2) the operation of an on-site rock, concrete, asphalt, and recycling facility; and (3) implementation of the reclamation of each extraction area. This air quality analysis technical report includes an evaluation of existing conditions in the Project vicinity, an assessment of potential impacts associated with Project construction, and an evaluation of Project operational impacts. The analysis of impacts is based on state and federal ambient air quality standards, and impacts are assessed in accordance with the guidelines, policies, and standards established by the County of San Diego (County) 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.

1.2 Project Location and Description

1.2.1 Project Location

The Project site is located in the unincorporated community of East Otay Mesa within the Otay Subregional Plan Area in the southernmost portion of San Diego County. The Project impact footprint is located 8.5 miles east of the Interstate 805 (I-805)/State Route (SR) 905 interchange and 0.5 mile east of the intersection of Otay Mesa Road and Alta Road. The Project impact footprint is located at the eastern extension of Otay Mesa on the southwestern flank of the San Ysidro Mountains approximately 2.5 miles north of the United States (U.S.)-Mexico international border. Refer to Figure 1 for the regional location. Figure 2 is an aerial photograph of the Project site and surrounding vicinity.

1.2.2 Project Description

The Project is a proposal to establish a mineral resource recovery operation and associated activities to create much needed construction aggregates and materials to serve the economy of San Diego County for an approximate 90-year period. The Project is located within a 438-acre ownership with extractive operations proposed on 105 acres of the site. The balance of the 438-acre ownership would be placed in biological open space prior to aggregate recovery activities. Depending on the rate of production, the Proposed Project would have a lifespan of approximately 120± years. Approximately 90.9 million tons (i.e., 104.5 million cubic yards [cy)]) of mineral resources would be extracted from the Project footprint area and over 28 million tons (33 million cy) of inert debris would be received. Annual production amounts for the Project are anticipated to be between 0.6 and 1.6 million tons (between 0.7 and 1.8 million cy) of aggregate per year.

The Proposed Project would consist of site preparation for the processing plant equipment and a phased extraction and backfilling operation. Ongoing backfilling of the site during the open pit extraction phase (Phase 3) of the Project will allow reclamation to progress concurrently with the extraction operation. Assuming a start date of 2020, the Project time line can be summarized as follows:

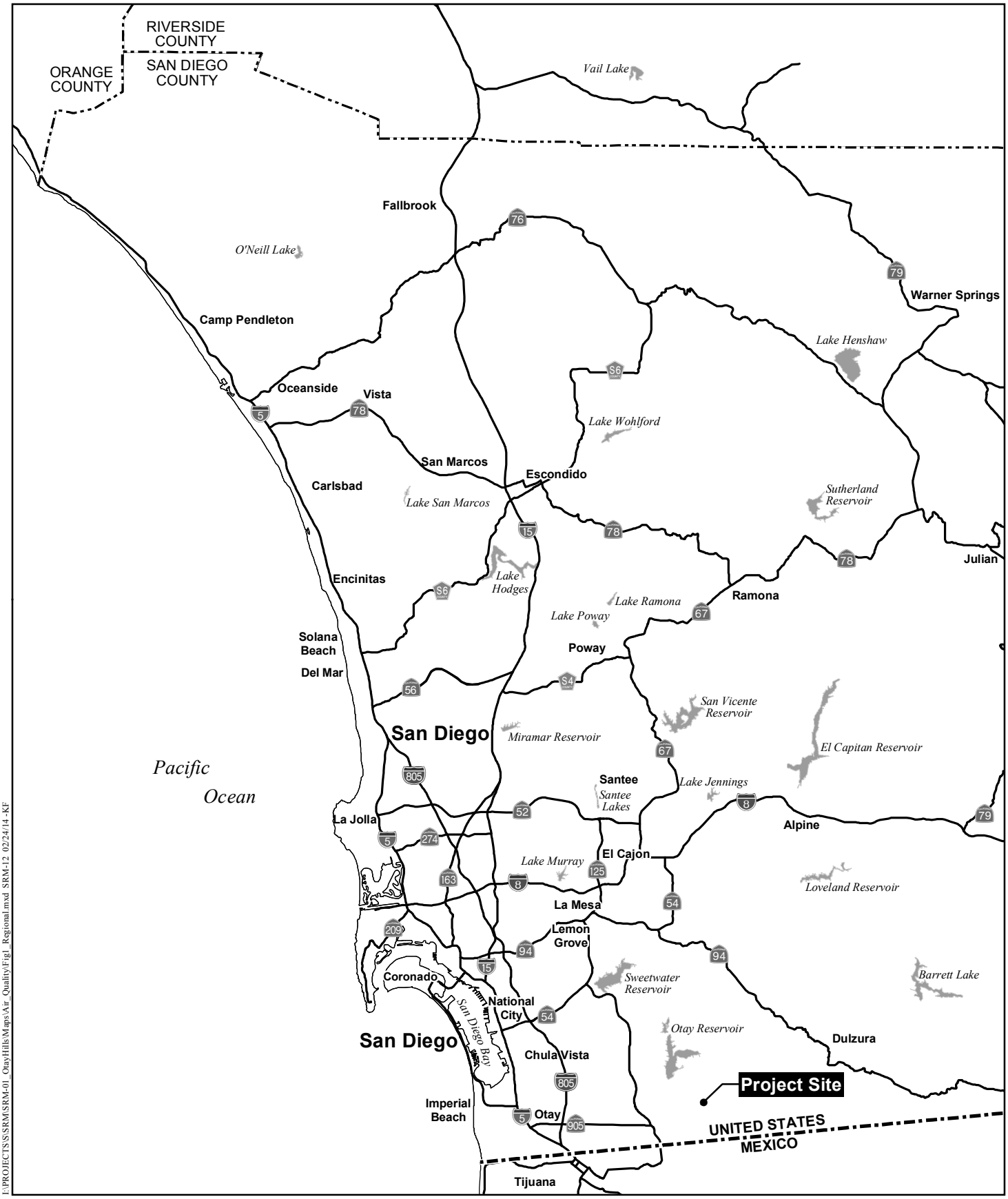
- Phase 1: Site Preparation (Construction), 1 Year (2020)
- Phase 2: Extraction to Natural Grade Elevation, 21 Years (2021-2042)
- Phase 3: Open Pit Extraction, 66 Years (2043-2110)
- Phase 4: Inert Debris Engineered Fill Operation (Landfill), 64 to 90 Years (2046-Post 2110)

It should be noted that the variables used to prepare the Project time line include assumptions that could change over time. This is particularly true for Phase 4, where the amount of inert debris that will be available to fill the proposed landfill is dependent upon variables that will change such as: (1) the regional economy that affects the rate of construction; (2) the level of recycling; and (3) the competition from other inert landfill sites.

Table 1 presents the summary of the quarry and reclamation plan data. A more detailed description of the activities that will occur in each Project phase is provided in Section 1.2.3.2, *Phasing*.

Table 1
QUARRY AND RECLAMATION PLAN DATA SUMMARY

Design/Operating Characteristics	**Description/Parameters/Assumptions[1]**
OPERATIONAL ACTIVITIES	
Quarrying	Quarrying Excavation through drilling, blasting, and heavy equipment operation.
Processing	Processing Aggregate processing plant, asphalt batch plant, ready-mix concrete plant, recycled materials plant, and aggregate load-out areas.
Reclamation	Grading, overburden/topsoil replacement and revegetation.
Acreages	
Total Parcel(s)	Project Acreage 105 acres
Phase 1 Site Preparation	16.1 acres
Phase 2 Extraction to Natural Grade Elevation	
Phase 2a	17.1 acres
Phase 2b	24.2 acres
Phase 2c	45.4 acres
Phase 3 – Open Pit Extraction	
Phase 3a	8.5 acres
Phase 3b	22.1 acres
Phase 3c	22.1 acres
Phase 3d	33.7 acres



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Regional Location Map

OTAY HILLS

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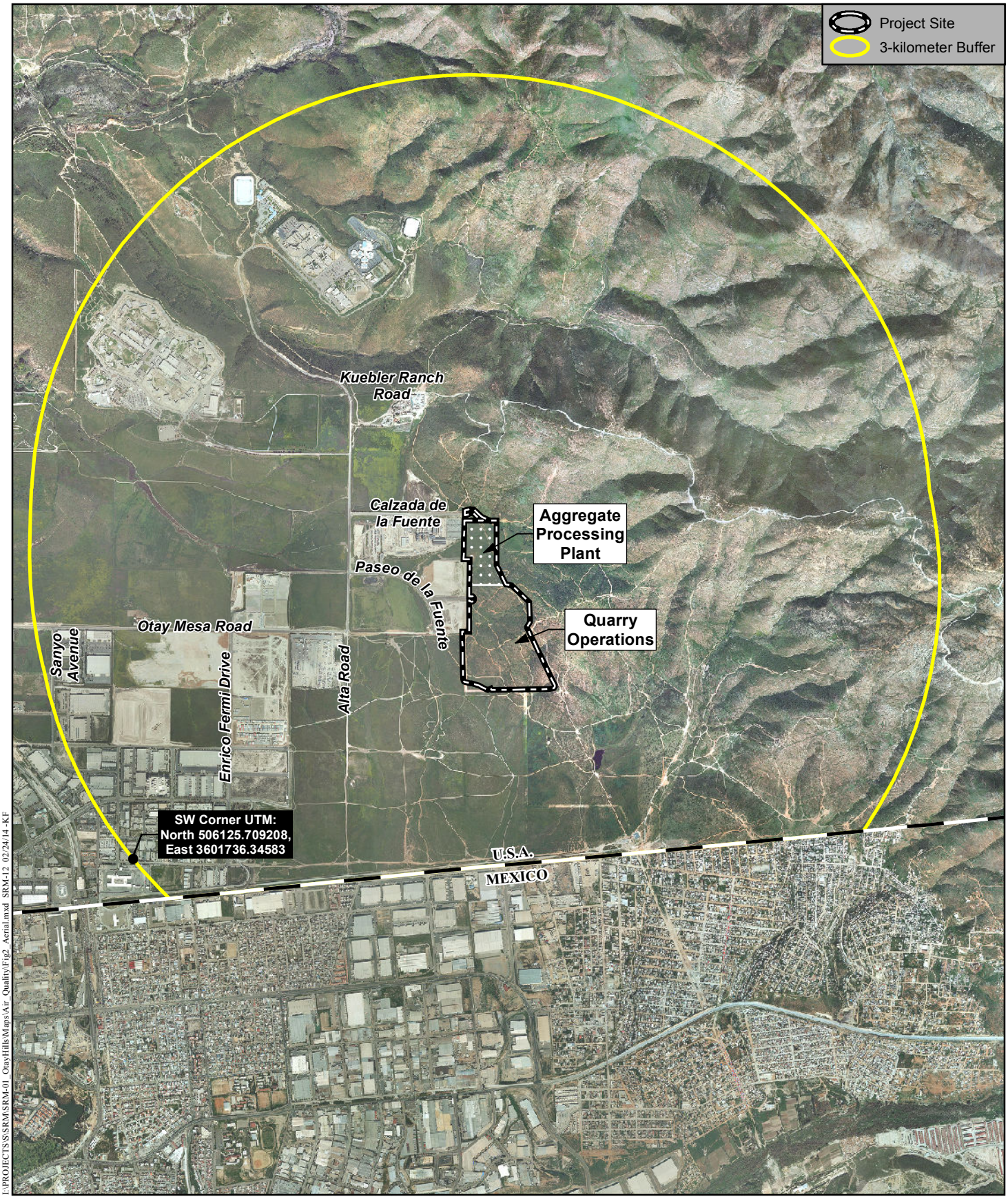
N 0 8 Miles

Figure 1



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Aerial Photograph

OTAY HILLS

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0 3,000 Feet

Figure 2

Table 1 (cont.) QUARRY AND RECLAMATION PLAN DATA SUMMARY			
Design/Operating Characteristics	**Description/Parameters/Assumptions[1]**		
Phase 4 Reclamation	95 acres		
Primary and Secondary Processing Plant and Loadout Area	14.8 acres		
Access and Maintenance Roads	2 acres		
Total Disturbance	**105 acres**		
Volume	**Annual Avg**	**Max Daily**	**Max Hourly**
Primary Processing Production	1,600,000 tons	8,000 tons	800 tons
Secondary Processing Production	1,400,000 tons	7,000 tons	700 tons
Recycled Material Production	420,000 tons	3,000 tons	300 tons
Sand Screen Plant	200,000 tons	2,000 tons	200 tons
Concrete Batch Plant	1,000,000 tons	10,000 tons	1,000 tons
Cement-Treated Base Plant	320,000 tons	4,000 tons	400 tons
Hot Mix Asphalt Batch Plant	600,000 tons	5,000 tons	500 tons
Operations Period[2]			
Mining	87 years		
Reclamation	64-90 years		
Quarry Excavation Area Dimensions[3]			
Approximate Maximum Length	2,800 feet		
Approximate Maximum Width	1,700 feet		
Maximum Depth	525 feet		
Operating Hours and Work Force			
Typical Operating Hours	Quarry and Primary Processing Plant: 6:00 a.m. to 4:00 p.m. Monday – Saturday Secondary and Ancillary Processing and Loadout Area, Haul Truck, loadout and hauling, and railcar loadout: 24 hours a day, 7 days a week		
Reclamation Areas			
Open Space	105 acres		

Notes:
1 All values approximate.
2 Mining and reclamation may be completed within a shorter timeframe depending on market demand for the product.
3 Measured at the longest and widest point.

1.2.3 Project Component Parts

1.2.3.1 *Operational Characteristics*

The Proposed Project would include a hard rock extraction operation that would extract and process rock for construction aggregate purposes. Rock that has been processed for use in manufacturing other products (such as concrete or asphalt) is typically referred to as aggregate. Materials would be extracted using blasting to fracture and loosen the hard rock resources, followed by extraction and processing to size and sort the materials. Anticipated operations at the site would include the following:

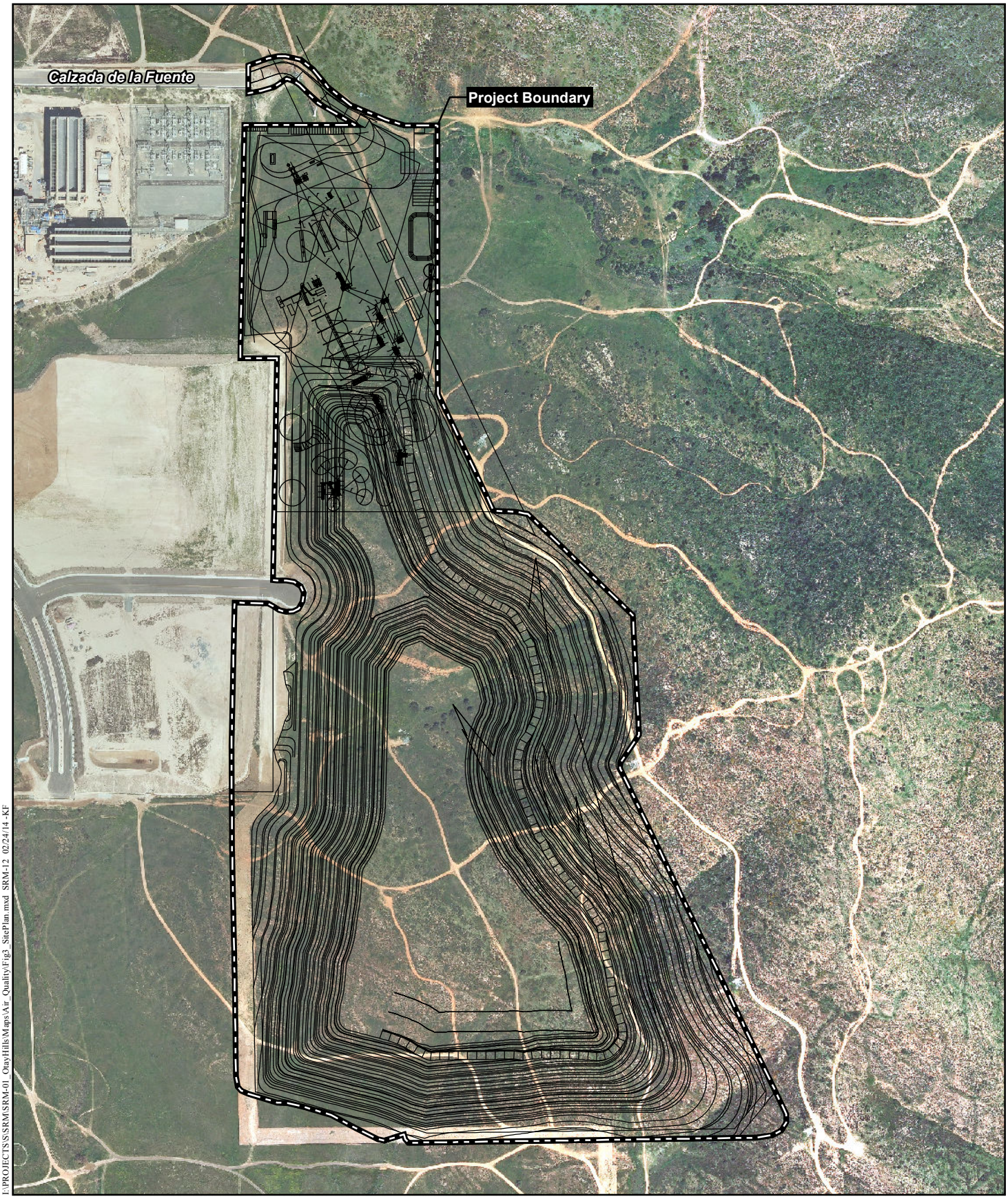
- Phased recovery of rock resources
- Materials processing (primary and secondary plants)
- Concrete ready-mix production
- Cement-treated base production
- Asphalt production
- Recycling of asphalt and concrete products
- Inert Debris Engineered Fill Operation (IDEFO)

The aggregate extraction operation would occur on an approximate 105-acre area while processing activities would take place on an approximate 16.1-acre pad located at the northern portion of the Project site (Figure 3). Some crushing and screening may occur in the pit area. Hours of operation for quarry and processing activities would primarily be from 6:00 a.m. to 4:00 p.m., with special operations outside these hours as early as 5:00 a.m. or as late as 10:00 p.m. as needed for public health, safety, and welfare concerns. This may include California Department of Transportation (Caltrans) projects that must occur outside normal business hours. Maintenance of equipment and export of material would occur 24 hours a day.

Mineral resource recovery operations would be conducted through the use of drilling and blasting to fracture rocks. Based on anticipated production levels of 0.6 to 1.6 million tons per year (tpy), blasting would occur approximately once each week. Blasting operations would be conducted by a licensed blasting contractor, in strict compliance with pertinent federal, state, and county requirements.

As required by Department of Transportation (DOT) rules, explosive materials would be delivered in specially built vehicles marked with United Nations (UN) hazardous materials placards. Explosives and detonators are delivered in separate vehicles or they are separated in compartments meeting DOT rules within the same vehicle. Vehicles contain at least two 10-pound Class-A fire extinguishers and all sides of the vehicles display placards displaying the United Nations Standard hazard code for the onboard explosive materials. Drivers must have commercial driver's licenses with Hazmat endorsements, and drivers must carry bill-of-lading papers detailing the exact quantities and code dates of transported explosives or detonators. Once explosives are delivered to the blasting site, the licensed blaster-in-charge is responsible for directly overseeing their security. The blaster-in-charge must have adequate experience and successfully pass a licensing test verifying their knowledge of blasting methods, rules, and safety procedures. In the State of California, Occupational Safety and Health Administration (CalOSHA) administers the testing and licensing of blasters and the California Highway Patrol establishes safe explosive transport routes and oversees all DOT rules enforcement. In the County of San Diego, a blast permit is required from the Sheriff's Department.

All blasting materials would be transported to the site for each blasting sequence and no explosives would be stored at the site. A single drill rig would be used to drill a pattern of bore holes each with a 3- to 6-inch diameter. Approximately 90 holes would be drilled in a 10,800-square-foot area. Typically, the pattern is laid out in a 10-by-12-foot grid, with approximately 90 holes that would be 45 feet in depth. A contractor then loads the holes with carefully metered explosives. The "shot" is timed to detonate each hole(s) in sequence. This minimizes the ground vibration and noise of the blast, while maximizing fracture of the rock.



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Project Site Plan

OTAY HILLS

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N 0 500 Feet

Figure 3

Some dust is created as a result of the blast. The rock would be broken up to sizes less than 18 inches in diameter.

Mine Safety and Health Administration rules require the use water injection when drilling to control drilling dust. Standard blasting practices using sequential delay timing schemes to generate effective rock fragmentation and vibration control will also minimize blasting dust. Further, aggregate quarry operators will invariably remove loose overburden to prevent dilution of mined rock, which lessens the amount of fine material that can become airborne by blasting. A common method of dust control for blasting operations is to wet down the entire blasting area prior to initiating the blast. This procedure minimizes dust being entrained into the air from the blasting activity by allowing it to adhere to the wet surfaces (NIOSH 2012). Because these standard practices would be applied, it is unlikely that airborne dust from blasting would be a cause of concern.

Following blasting, the rock resource would be fractured and could be moved with conventional earthmoving equipment. A front-end loader is used to load off highway rock trucks for transport of fractured rock to the primary processing plant.

Six processing plants are proposed within the Project impact footprint: two materials processing plants (primary and secondary), a concrete batch plant, a cement-treated base plant, a recycling plant, and an asphalt batch plant (Figure 4). The primary plant is loosely defined as the process that takes the raw material and crushes it to a size suitable for further processing and screening. Typically, a primary plant would crush the rock, screen out unusable fine material, and deposit the crushed rock in a surge pile for use by the secondary plant. The primary plant is independent of the secondary plant and can be used without operating the secondary plant. It is anticipated that the primary plant equipment would consist of a jaw crusher, a screen, and a primary crusher. Depending upon distance from the primary processing plant, it may be feasible to utilize a remote jaw crusher and overland conveyor to move materials to the secondary processing plant.

The secondary plant would consist of two or four rock crushers to further reduce the size of the rock, five to seven screens to sort the material by size, and a washer to clean dirt from certain types of material to meet end product specifications. Materials washing would require construction of a pond to recycle and store water. Front end loaders would be needed to only load trucks. Rock that has been processed for use in manufacturing other products, such as concrete and asphalt, is typically referred to as aggregate.

Finished aggregate would be stockpiled and/or stored in overhead loading bins. The stockpiles would be approximately 35 feet high. The aggregate would then be loaded onto trucks either with a front-end loader or by gates on the bottom of overhead loading bins. Prior to leaving the extraction area, loaded trucks would be top-watered to prevent roadway dust and would pass across a scale to determine the total weight of the truck and identify the type and weight of the aggregate. Dust would be controlled with a dust control system using best available control technology (BACT) and would be permitted by the SDAPCD. Dust would be controlled using an on-site water truck to water down excavation areas and unpaved and paved roads as frequently as needed. The aggregate processing plant would be equipped with a water spray system to reduce emissions produced during the crushing and screening processes. Water used in processing would come from the Otay Water District and on-site wells, and the water used to wash the

processed material would be continuously recycled. All on-site equipment would comply with applicable permits issued by the SDAPCD.

Buildings associated with the aggregate plant would likely include an office building, a small scale office, and small maintenance shop. These facilities would be located near the secondary plant. Site operations would likely employ approximately 10 to 15 persons. For employees, an average two-way trip length of 40 miles is assumed as a conservative estimate. On-site parking would be provided.

The concrete ready-mix plant on site would be set up so that materials could be conveyed directly from the aggregate stockpiles to the concrete ready-mix plant. Within the concrete ready-mix plant, appropriate quantities of aggregate of various types, cement, fly ash, and water would be weighed to make up batches of ready-mix concrete. These materials would then be discharged into a mixer drum on a ready mix concrete truck. Compliance with SDAPCD permits would require the use of BACT such as baghouse dust collectors, which would ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags.

The asphalt plant would be sited such that materials could be conveyed from the aggregate stockpiles for direct loading of the asphalt plant by conveyor. The asphalt plant would discharge the various types of aggregate into a large rotating drum, where the aggregate is heated to drive off water. The heated materials would then be mixed with asphalt oil to make asphalt concrete. As in the case of the concrete batch plant, compliance with SDAPCD permits would require the use of BACT such as fiber bed mist collectors, which would ensure a relatively emission- and dust-free operation.

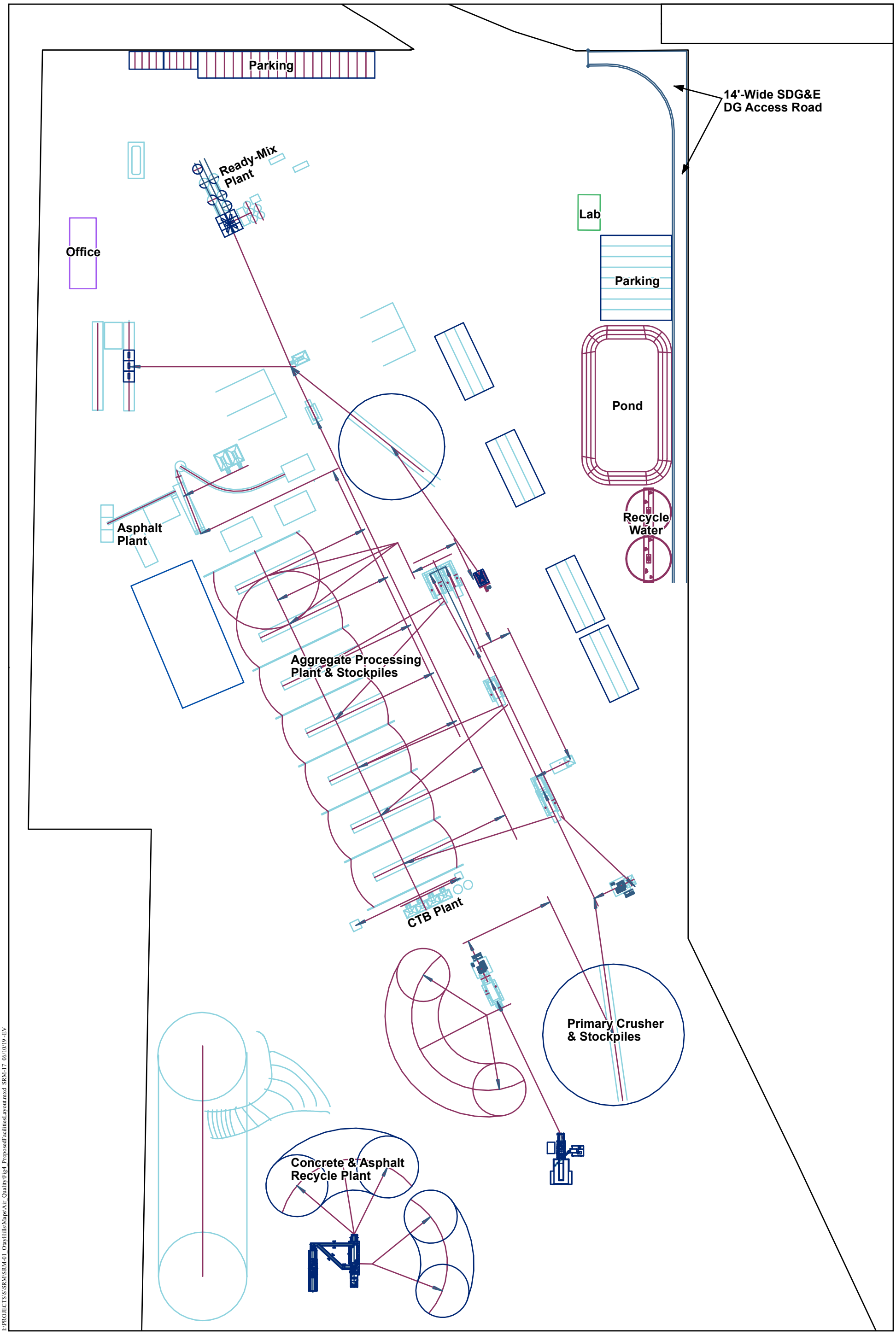
A cement-treated base plant would be located at the site. Cement-treated base is a rock/sand mixture that has been mixed with cement powder to provide improved strength and stability for highway and foundation projects.

A concrete and asphalt recycling plant also would be included as part of the Proposed Project. This process would involve the import of used concrete and asphalt materials, crushing, and then exporting the material for use as road base or foundation material. These materials also may be blended with rock originating from the site to improve performance characteristics.

1.2.3.2 *Phasing*

The Proposed Project would consist of site preparation for the processing plant equipment and a phased extraction and backfilling operation. Ongoing backfilling of the site during the open pit extraction phase of the Project would allow reclamation to progress concurrently with the extraction operation. Assuming a start date of 2020, the Project time line includes the following phases of development:

- Phase 1: Site Preparation (Construction)
- Phase 2: Extraction to Natural Grade Elevation
- Phase 3: Open Pit Extraction and Reclamation



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Proposed Facilities Layout

OTAY HILLS

HELIX Environmental Planning

N 0 100 Feet

Figure 4

- Phase 4: IDEFO (Landfill Reclamation)

The variables used to prepare the Project time line include assumptions that could change over time. That is particularly true for Phase 4, where the amount of inert debris that would be available to fill the proposed landfill is dependent upon variables that would change: (1) regional economy, which affects the rate of construction; (2) level of recycling; and (3) competition from other inert landfill sites.

Phase 1 – Site Preparation Construction

Phase 1 involves site preparation activities prior to mining, including initial grading to establish access routes, extending water and power service to the site, and grading pad areas for the processing plant location. Site preparation operations would be located in the northern portion of the site. Phase 1 grading consists of minor cutting of the landform to create a relatively flat working surface for the processing plant. Construction of the processing plant, concrete batch plant, asphalt plant, cement-treated base plant, and site office would also begin. This initial phase would include approximately 14.8 acres on the Project site, plus associated activities required to construct the access road. Ultimately, the processing area would also extend into the northern portion of Phase 2 and consist of approximately 16.1 acres. Activities in Phase 1 are expected to continue for approximately one year.

Phase 2 – Extraction to Natural Grade Elevation

Phase 2 would involve the commencement of extractive operations within the extraction footprint. This phase is divided into three sub phases, with Phase 2a occurring in the north and Phase 2c in the south. Phase 2 would consist of cutting the landform to the natural grade elevation that exists along the western perimeter of the site. The natural grade elevation of the mesa (west of the site) ranges between 580 and 650 feet above mean sea level (AMSL).

During Phase 2a, aggregate resource would be recovered immediately adjacent to the Phase 1 area and over an approximate 17.1-acre area of the site. Extractive operations in Phase 2a are expected to remove 4.2 million tons and would continue for approximately 4.5 years, depending on the demand for aggregate resources. As aggregate resources are depleted from Phase 2a, extraction operation would transition into Phase 2b.

Phase 2b operations would include the extraction of material from a 24.2-acre area and is expected to continue for approximately 5.5 years, depending on the demand for aggregate resources. This phase is expected to remove 4.7 million tons of material.

Phase 2c would consist of extracting approximately 10.5 million tons of material from the remainder of the extraction footprint (approximately 45.4 acres). Phase 2c is expected to continue for approximately 11 years, depending on the demand for aggregate resources.

As operations progress in Phase 2, slope areas within Phase 1 and Phase 2 would be seeded with a non-invasive erosion control mix. Prior to seeding, topsoil that is removed ahead of extractive operations would be reapplied to slope areas where conditions allow. A portion of the slopes that

are seeded along the eastern perimeter of the pit would be used as a biological buffer adjacent to sensitive environmental habitats proposed to be set aside by the Project to the east of the proposed extractive operations. A native seed mix would be used for these areas.

Phase 3 – Open Pit Extraction and Reclamation

Like Phase 2, Phase 3 is divided into sub phases. Phases 3a through 3d would also progress in a north-to-south direction. Extraction operations that would occur during Phases 3b through 3d would extend to a maximum depth of approximately 525 feet from the existing grade. As part of the reclamation process, the site would be utilized as an IDEFO. Backfilling is expected to continue throughout the Phase 3 operations.

The Phase 3a operations would involve additional extraction of material from an 8.5-acre area that would extend below the finished grade to form a sub-grade depression. Phase 3a extraction operations would extend below the Phase 2a area and would have a maximum depth of approximately 285 feet from the existing grade. This phase is expected to remove approximately 2.9 million tons and would continue for approximately three years, depending on the demand for aggregate resources. As extraction operations advance in Phase 3a and space becomes available, backfilling of the Phase 3a sub-grade depression would commence. Inert fill material would be used to backfill the depression.

Phase 3b operations would consist of extracting 12.2 million tons of material from a 22.1-acre area, over approximately 18 years, depending on the demand for aggregate resources.

It is anticipated that Phase 3c would extract 18.3 million tons of material from a 22.1-acre area, over approximately 18 years, depending on the demand for aggregate resources. Phase 3d operations are expected to extract 32.6 million tons from a 33.7-acre area, over approximately 33 years, depending on the demand for aggregate resources.

Phase 4 – Inert Debris Engineered Fill Operation (Landfill Reclamation)

As extraction operations advance in Phase 3, the pit would be backfilled with inert fill material (fill dirt). Phase 4a would consist of backfilling a portion of the Phase 3a pit area. It is anticipated that this would require approximately 1.2 million tons of imported fill material and would take approximately three years to complete. Phase 4b would involve backfilling the remainder of Phase 3a and portions of Phases 3b, 3c, and 3d. This would be followed by Phase 4c, which would backfill the remainder of Phase 3b and continue to backfill portions of Phase 3c and 3d. Phases 4d and 4e operations would include backfilling the remainder of Phases 3c and 3d.

The assumptions used above include an average annual production of one million tons. The rate of backfill is estimated at 500,000 cy per year. Throughout the phased mine plan, fill material that is used for backfilling would be compacted to form pad areas. All fill material would be inspected upon arrival to ensure that contaminated soils or garbage are not present. All backfilling operations would be supervised by a geotechnical engineer to ensure that the fill materials are adequately compacted to satisfy the needs of the post mining land use.

There are a limited number of landfills that accept fill materials in San Diego County. Inert fill material is produced from a variety of sources, but typically is a by-product of sub-grade excavations for parking garages or development that results in export of naturally occurring soil. In addition, clean demolition materials from redevelopment projects need to be placed in an inert fill materials site.

Where inert landfills are unavailable in the local community, these fill materials must be disposed of in local sanitary landfills or hauled to locations where fill receiver sites are available. Aggregate production sites hold the greatest potential for accepting a relatively large quantity of fill materials. There are a number of mining operations throughout southern California that utilize inert fill material to backfill and compact the mining void in order to reclaim the site to usable land. Depending on the rate at which fill material is imported to the site, it is anticipated that Phase 4 activities would continue for approximately 69 years throughout the extraction operation. Phase 4 operations are anticipated to continue for approximately 18 years beyond extraction operations.

Following completion of all recovery operations, all processing and operating equipment would be removed from the Project site. Reclamation of slope areas would involve replacing topsoil in some areas. Salvaged topsoil would be stockpiled for use during revegetation. Where conditions allow, topsoil would be reapplied to some slope areas.

1.2.3.3 *Traffic/Circulation*

Phase 1 - Construction

During Phase 1, all truck trips would be related to the construction of the site office and plant equipment. There would be no trips related to mining or landfilling activities during Phase 1. It is anticipated that less than 30 average daily employee trips and 20 daily truck trips would be experienced during this time.

Phases 2 and 3 Quarry Operation

On-site Facilities (Vendors, Employees)

Air pollutant emissions would result from mobile sources associated with the Project. These mobile source emissions would result from the typical daily operation of motor vehicles by vendors, employees, and customers. It is estimated that about 15 employees would be working in the processing plant and approximately 20 truck drivers would be employed for transporting the production of and the import for the aggregate materials. The employees would generate approximately 35 average daily trips per day. During Phase 2, truck trips would be limited to trips required for the extraction operation and materials imports for the on-site processing facilities. There would be no trips related to landfilling activities during Phase 2. Operations would produce approximately 0.6 to 1.6 million tons of aggregate annually. This level of activity would result in approximately 401 truck trips during the maximum production day, related to the extraction operation. The number of trips from material imports and recycle operations would be approximately 118 daily trips. Therefore, approximately 519 maximum daily truck trips should

be expected when both extraction, material imports, and aggregate processing operations are occurring (Phases 2 and 3). An additional 130 truck trips per day would result from imported material and landfilling operations that would occur during Phase 4.

Primary access to the site would be from Calzada de la Fuente, a dedicated access road that connects the northern end of the site with Alta Road. The access road connects with Alta Road approximately one half mile north of the intersection with Otay Mesa Road. A number of potential truck routes are possible. Potential access routes are listed as follows:

- Trucks leaving the site would follow Alta Road to Otay Mesa Road. Trucks would turn right (west) onto Otay Mesa Road to the intersection with State Route 905 (SR 905). Truck traffic would then disperse for deliveries on the Otay Mesa or extend to other areas in the region via State Route 125 (SR 125) or Interstate 805 (I-805) and Interstate 5 (I-5).

- Trucks leaving the site would follow Alta Road to Otay Mesa Road. Trucks would turn right (west) onto Otay Mesa Road to the intersection with Sanyo Avenue. Turning south on Sanyo Avenue to the intersection with Airway Road and then turning west. Airway Road extends across Otay Mesa to the intersection with Cactus Road. Traffic would then turn north on Cactus Road to the intersection with Otay Mesa Road and then turning west to connect with I-805 and/or I-5.

Off-site Vehicle Trips (Venders, Customers)

Because aggregate supply will be consumed with or without the proposed Project, the Proposed Project would not have an effect on overall demand. However, the Project have an effect on the distance that trucks delivering aggregates travel within the region. Project aggregate from the proposed facility would replace materials hauled from farther distances in the south San Diego County region. This rationale is supported by Dr. Peter Berk's ―*Working Paper No. 994 – A Note on the Environmental Costs of Aggregate"* (Department of Agricultural and Resource Economics and Policy, Division of Agricultural and Natural Resources, University of California Berkley, January 2005). Dr. Berk states that:

> *"The opening of a new quarry for aggregates will change the pattern of transportation of aggregates in the area served by the quarry. In this note, we will show that, so long as aggregate producers are cost minimizing, the new pattern of transportation requires less truck transport than the pattern of transportation that existed before the opening of the new quarry. Since the costs of providing aggregates falls, it is reasonable to assume that the price of delivered aggregates also will fall. This note also shows that the demand expansion effect is of very small magnitude. Since the demand increase from a new quarry is quite small, the dominant effect is that the quarries are on average closer to the users of aggregates and, as a result, the truck mileage for aggregate hauling decreases.*

To summarize the effects of a new quarry project:

a) *The project in itself will not significantly increase the demand for construction materials in the region through market forces, which include the downward pressure on pricing.*

b) *Truck traffic (i.e. vehicle miles traveled) in the region will not increase and may decrease as a result of the project."*

The Project would provide local building materials to projects throughout south San Diego County, thus resulting in a reduction in regional truck trips and its corresponding emissions associated with transport of materials from outlying suppliers of aggregate, asphalt, and concrete products.

SANDAG released their *San Diego Region Aggregate Supply Study* in January 2011, which presented information related to the average miles traveled by vehicles delivering aggregate to project sites. The document explains that if the aggregate is transported by truck from current local mines to local project sites, the average distance between existing mines and construction sites in the region is 26 miles, which are used as VMT projections in the San Diego County's 2050 RTP.

Similar to the SANDAG results, an independent market analysis conducted by EnviroMINE determined the average distance between existing mines and aggregate customers in the region is approximately 29 miles (EnviroMINE Inc. 2020). This same study concluded the average distance for aggregate deliveries from the Proposed Project would be approximately 10 miles. The difference in trip length between local and regional trips would help reduce emissions from truck trips.

<u>Phase 4 Landfill and Reclamation Activity</u>

Under the maximum production scenario, Phase 4 would generate up to 165 average daily trips for the landfilling and reclamation activities.

1.2.3.4 *Utilities*

The Otay Water District (OWD) would supply potable water. A Service Availability Letter from OWD for the Proposed Project identified adequate water resources were available for the Proposed Project with annexation into Improvement District 22. The Proposed Project design includes provision for annexation to the OWD Service Area. A connection into the existing 12-inch water line in Alta Road is proposed as part of Project design and would be located underground along the proposed access road to the processing area discussed previously. The Proposed Project would not utilize any groundwater.

The Proposed Project would not involve any uses that would discharge wastewater to the sanitary sewer or on-site wastewater system. The employees would be provided portable toilet facilities, which would be managed by the operator, and the waste would be transported off site for treatment.

Several San Diego Gas & Electric (SDG&E) electrical and natural gas connections exist within the impact footprint, and tie-ins would be constructed underground along the proposed access road to the aggregate processing area, as discussed above for water lines.

1.2.3.5 *Applicant Design Features*

Superior's design for the operation of the Proposed Project includes the implementation of the following measures, some of which fall under the required BACT guidelines. These designs were included in the air quality modeling and assessment discussed below.

- Installation of baghouse emission control on cone crusher and impact crushers with the potential for emissions. This reduces PM_{10} emissions by estimated between 95 and 99 percent (NIOSH 2012).

- Installation of water spray emission controls on transfer points with the potential for emissions that are associated with the conveyors and screens. This reduces emissions by estimated 75 percent (NIOSH 2012).

- Paved access roads for the majority of the haul routes used by on-road delivery vehicles. Limited on-site haul roads will be unpaved, and those will be chemically stabilized and/or routinely watered.

- Installation of an efficient material loading system to minimize the amount of product delivery trucks idling time.

- Utilization of material load-out chutes to minimize the potential for dust generation during product loading.

- Use of off-road equipment (such as off-road quarry haul trucks, loaders, graders, etc.) that meet required, stringent emission controls under United States Environmental Protection Agency (USEPA) and California Air Resources Board (CARB) off-road diesel vehicle regulations.

- Installation of emission controls on drilling equipment to minimize dust generation.

- Hot Mix Asphalt Plant: Compliance with APCD permits would require the use of BACT, such as fiber bed mist collectors, which would ensure a relatively emission- and dust-free operation. A blue smoke control method would apply to all plant components which would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system must all work together to form a scavenger system. This involves:

    1. Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),

    2. Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,

3. Utilizing separate scavenger fan to convey captured emissions through the ductwork, and

4. Installing dampers within the ductwork to control airflow.

Blue smoke systems are likely to become a standard pollution control device for the hot-mix asphalt facility.

- Concrete Batch Plant: Compliance with APCD permits would require the use of BACT, such as baghouse dust collectors, which would ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags.

  1. 90 percent efficient Fabric or Cartridge type vent filters on silos.

  2. Enclosed aggregate and cement weigh hoppers, screw conveyors and concrete batcher vented to a 90 percent efficient fabric filter baghouse.

  3. Flexible shroud which seals to the truck along with a water sprinkler system used when dry products are mixed.

  4. Shroud vented to 90 percent efficient fabric filter baghouse

The following is a list of control measures and best management practices that would help reduce pollutants:

Fugitive dust emissions would be controlled by using an on-site water truck to water down excavation areas and unpaved and paved roads as frequently as three times daily.

A common method of dust control for blasting operations is to wet down the entire blasting area prior to initiating the blast. This procedure minimizes dust being entrained into the air from the blasting activity by allowing it to adhere to the wet surfaces. Standard blasting practices using sequential delay timing schemes to generate effective rock fragmentation and vibration control will also minimize blasting dust.

The aggregate processing plant will be equipped with a water spray system to reduce emissions produced during the crushing and screening processes.

- Water spray system for sand and aggregate transfer points.

- Sand and aggregate storage piles adequately wet to maintain a minimum moisture content of 4 percent by weight.

- Open areas maintained adequately wet to prevent fugitive emissions in excess of 20 percent opacity or Ringlemann 1.

All heavy duty off-road equipment operating on the Project site should meet CARB's Off-road Vehicle Regulations with a minimum of Tier 2 engines for Phases 1 and 2 and a minimum of

Tier 4 engines for Phases 3 and 4. In addition, all off-road equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor and/or operator shall achieve emissions reductions that are no less than what could be achieved by a Level 2 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.

The On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation requires diesel trucks that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks will need to have 2010 model year engines or equivalent. The regulation applies to nearly all privately and federally owned diesel fueled trucks with a gross vehicle weight rating (GVWR) greater than 14,000 pounds.

Portable engines such as generator sets are regulated by an air toxic control measure that limits diesel particulate matter and must be registered under the Portable Equipment Registration Program (PERP) or comply with local air district permit.

2.0 EXISTING CONDITIONS

2.1 Existing Setting

Surrounding uses include undeveloped land, industrial uses, and scattered rural residential uses (refer to Figure 2). The closest development to the Project impact footprint is the power plant on a lot abutting the northwestern edge of the impact footprint; the land adjacent to the remainder of the impact footprint is undeveloped. There are also some recently graded pads for industrial development located immediately south of the power plant. Areas to the immediate south consist of undeveloped land, and farther to the south, industrial portions of Tijuana, Mexico. Two prison facilities, the R.J. Donovan State Correctional Facility and the George F. Bailey County Detention Facility, are located approximately 1.5 miles north of the Project impact footprint. Two airports, Brown Field and Tijuana International Airport, are near the Project impact footprint; Brown Field is a general aviation airport in the City of San Diego approximately 3 miles west of the impact footprint, and Tijuana International Airport is in Tijuana, Mexico, approximately 2.5 miles to the southwest.

The scattered rural residential uses nearby consist of five private residential farms/ranches located within approximately two miles of the Project impact footprint. The properties include facilities for animals such as horses and sheep, multiple usable and derelict vehicles, as well as homes and scattered outbuildings. The closest to the Project impact footprint are three residences located on Old Otay Mesa Road, approximately 7,100 feet directly west of the Project impact footprint, approximately midway between Harvest Road and Alta Road. Another home is located off Alta Road via Kuebler Ranch Road at approximately 2,800 feet north of the Project impact footprint (note: the former Kuebler residential ranch is currently a commercial establishment, R&F Metal, Inc.). The fifth house is located between the two prison facilities, accessed via a dirt road off of Alta Road before Alta Road reaches the County East Mesa Detention facility, at approximately 5,200 feet northwest of the Project impact footprint.

Two peaks and several canyons, including one large canyon, exist within the Project impact footprint. The largest canyon on the 105-acre Project impact footprint contains the lowest site elevation, approximately 620 feet AMSL, along the western Project impact footprint boundary. This canyon flows via an unnamed drainage westward through the Project impact footprint, and turns southward just beyond the Project impact footprint boundary. The southern slopes of this canyon rise to the highest point on the Project impact footprint, at 1,020 feet AMSL. This peak occurs within the southeastern portion of the Project impact footprint; a neighboring small peak, approximately 720 feet AMSL, occurs at the southwestern corner of the Project impact footprint. The northern and eastern slopes of the canyon rise into the San Ysidro Mountains bordering the Project impact footprint to the north and east. Approximately 21.8 acres of slopes steeper than 25 percent with a minimum 50-foot rise occur on the 105-acre Project impact footprint. These slopes are mainly associated with the hill and canyon slopes, rather than the valleys or peaks.

2.2 Climate and Meteorology

The climate in southern California, including the San Diego Air Basin (SDAB), is controlled largely by the strength and position of the subtropical high-pressure cell over the Pacific Ocean. Areas within 30 miles of the coast experience moderate temperatures and comfortable humidity. Precipitation is limited to a few storms during the winter season. The climate of San Diego County is characterized by hot, dry summers and mild, wet winters.

Figure 5 presents a wind rose from the Donovan meteorological monitoring station, which represents general meteorological trends in the Project area. Donovan is the closest meteorological monitoring station to the Project site. Wind monitoring data recorded at the Donovan station indicate that the predominant wind direction in the vicinity of Project site is from the west. Average wind speed in the vicinity is approximately 5.3 miles per hour. The annual average temperature in the Project area is approximately 50 degrees Fahrenheit (ºF) during the winter and approximately 75ºF during the summer. Total precipitation in the Project areas averages approximately 13 inches annually. Precipitation occurs mostly during the winter and relatively infrequently during the summer (Western Regional Climate Center 2012).

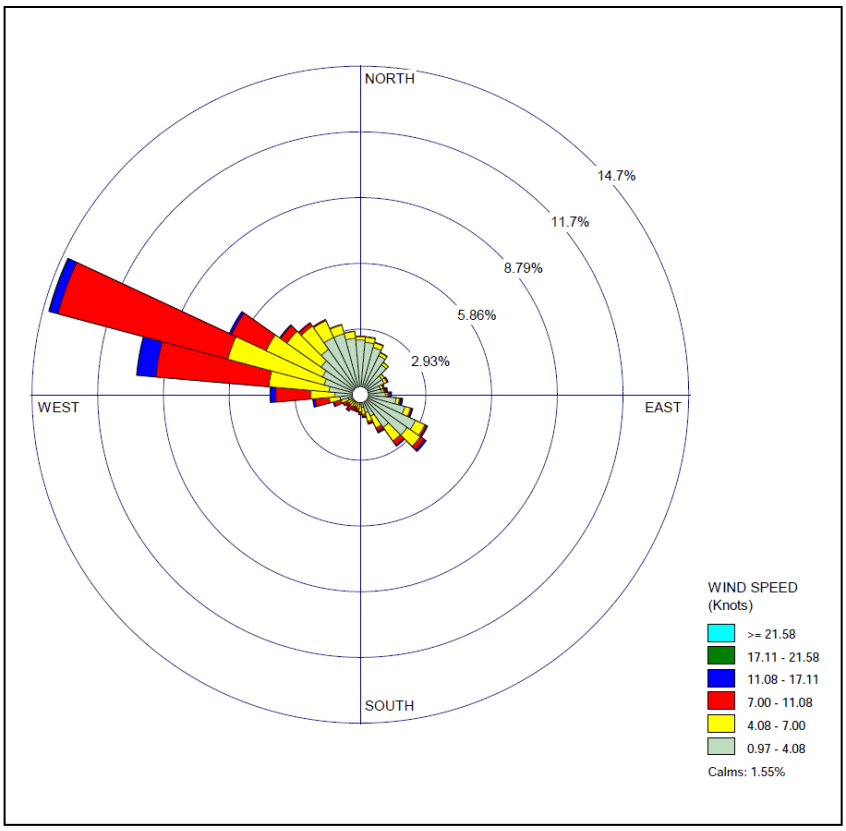


Figure 5. Wind Rose – Donovan Monitoring Station

The atmospheric conditions of the SDAB contribute to the region's air quality problems. Due to its climate, the SDAB experiences frequent temperature inversions (temperature increases as altitude increases). Temperature inversions prevent air close to the ground from mixing with the air above it. As a result, air pollutants are trapped near the ground. During the summer, air quality problems are created due to the interaction between the ocean surface and the lower layer of the atmosphere, creating a moist marine layer. An upper layer of warm air mass forms over the cool marine layer, preventing air pollutants from dispersing upward. Additionally, hydrocarbons and nitrogen oxides (NO_X) react under strong sunlight, creating smog. Light, daytime winds, predominately from the west, further aggravate the condition by driving the air pollutants inland, toward the foothills. During the fall and winter, air quality problems are created due to carbon monoxide (CO) and NO_X emissions. High NO_X levels usually occur during autumn or winter, on days with summer-like conditions (SDAPCD 2008).

High air pollution levels in coastal communities of San Diego often occur when polluted air from the South Coast Air Basin, particularly Los Angeles, travels southwest over the ocean at night and is brought onshore into San Diego by the sea breeze during the day. Smog transported from the Los Angeles area is a key factor on more than 50 percent of the days San Diego exceeds clean air standards (SDAPCD 2010). Ozone and precursor emissions (volatile organic compounds [VOCs] and NO_X) are transported to San Diego during relatively mild Santa Ana weather conditions. However, during strong Santa Ana weather conditions, pollutants are pushed far out to sea and miss San Diego. When smog is blown in from the South Coast Air Basin at ground level, the highest ozone concentrations are measured at coastal and near-coastal

monitoring stations. When the transported smog is elevated, coastal sites may be passed over, and the transported ozone is measured further inland and on the mountain slopes.

2.2.1 Air Pollutants of Concern

2.2.1.1 *Criteria Air Pollutants*

Federal and state laws regulate air pollutants emitted into the ambient air by both stationary and mobile sources. These regulated air pollutants are known as "criteria air pollutants," and are regulated by both primary and secondary standards. Primary standards are a set of limits based on protecting human health. Another set of limits intended to prevent environmental and property damage is known as secondary standards. Criteria pollutants are defined by state and federal law as a risk to the health and welfare of the general public.

The following specific descriptions of health effects for each air pollutant associated with Project construction and operation are based on information from the USEPA (USEPA; 2007) and CARB (CARB; 2009a).

Ozone. Ozone (O_3) is considered a photochemical oxidant, which is a chemical that is formed when VOCs and NO_X, both by-products of fuel combustion, react in the presence of ultraviolet light. Low altitude ozone is considered a respiratory irritant and prolonged exposure can reduce lung function, aggravate asthma, and increase susceptibility to respiratory infections. Children and those with existing respiratory diseases are at greatest risk from exposure to ozone.

Carbon Monoxide. CO is a product of fuel combustion, and the main source of CO in the SDAB is from motor vehicle exhaust. CO is an odorless, colorless gas that affects red blood cells in the body by binding to hemoglobin and reducing the amount of oxygen that can be carried to the body's organs and tissues. CO can cause health effects to those with cardiovascular disease and can also affect mental alertness and vision.

Nitrogen Dioxide. NO_2 is also a by-product of fuel combustion and is formed both directly as a product of combustion and in the atmosphere through the reaction of nitrogen oxide (NO) with oxygen. NO and NO_2, along with other compounds, comprise NO_X. NO_2 is a respiratory irritant and could affect those with existing respiratory illnesses, including asthma. NO_2 can also increase the risk of respiratory illness.

Respirable Particulate Matter and Fine Particulate Matter. Respirable particulate matter, or PM_{10}, refers to particulate matter with an aerodynamic diameter of 10 microns or less. Fine particulate matter, or $PM_{2.5}$, refers to particulate matter with an aerodynamic diameter of 2.5 microns or less. Particulate matter in these size ranges has been determined to have the potential to lodge in the lungs and contribute to respiratory problems. PM_{10} and $PM_{2.5}$ arise from a variety of sources, including road dust, diesel exhaust, fuel combustion, tire and brake wear, construction operations, and windblown dust. PM_{10} and $PM_{2.5}$ can increase susceptibility to respiratory infections and can aggravate existing respiratory diseases such as asthma and chronic bronchitis. $PM_{2.5}$ is considered to have the potential to lodge deeper in the lungs than PM_{10}.

Sulfur Dioxide. Sulfur dioxide (SO_2) is a colorless, reactive gas that is produced from the burning of sulfur-containing fuels such as coal and oil, and by other industrial processes. Generally, the highest concentrations of SO_2 are found near large industrial sources. SO_2 is a respiratory irritant that can cause narrowing of the airways leading to wheezing and shortness of breath. Long-term exposure to SO_2 can cause respiratory illness and aggravate existing cardiovascular disease.

Lead. Lead (Pb) in the atmosphere occurs as particulate matter. Pb has historically been emitted from vehicles combusting leaded gasoline, as well as from industrial sources. With the phase-out of leaded gasoline, large manufacturing facilities are the sources of the largest amounts of lead emissions. Pb has the potential to cause gastrointestinal, central nervous system, kidney, and blood diseases upon prolonged exposure. Pb is also classified as a probable human carcinogen.

Sulfates. Sulfates are the fully oxidized ionic form of sulfur. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to SO_2 during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO_2 to sulfates takes place comparatively rapidly and completely in urban areas of California due to regional meteorological features. The CARB's sulfates standard is designed to prevent aggravation of respiratory symptoms. Effects of sulfate exposure at levels above the standard include a decrease in ventilatory function, aggravation of asthmatic symptoms and an increased risk of cardio-pulmonary disease. Sulfates are particularly effective in degrading visibility, and due to fact that they are usually acidic, can harm ecosystems and damage materials and property.

Hydrogen Sulfide. Hydrogen sulfide (H_2S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation. Breathing H_2S at levels above the standard would result in exposure to a very disagreeable odor. In 1984, a CARB committee concluded that the then-current ambient standard for H_2S would be adequate to protect public health and to significantly reduce odor annoyance (CARB 1984).

Vinyl Chloride. Vinyl chloride, a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites as a result of microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air causes central nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure to vinyl chloride through inhalation and oral exposure causes liver damage. Cancer is a major concern from exposure to vinyl chloride via inhalation. Vinyl chloride exposure has been shown to increase the risk of angiosarcoma, a rare form of liver cancer, in humans.

Visibility-reducing Particles. Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size, and chemical composition; they can be made up of many different materials such as metals, soot, soil, dust, and salt. These particles in the atmosphere can obstruct the range of visibility.

Their concentration regulation standard is intended to limit the frequency and severity of visibility impairment due to regional haze.

2.2.1.2 *Health Effects of Criteria Air Pollutants*

Air pollutants are recognized to have a variety of health effects on humans. Research by the CARB shows that exposure to high concentrations of air pollutants can trigger respiratory diseases, such as asthma, bronchitis, and other respiratory ailments; and cardiovascular diseases. A healthy person exposed to high concentrations of air pollutants may be become nauseated or dizzy, may develop a headache or cough, or may experience eye irritation and/or a burning sensation in the chest. Ozone is a powerful irritant that attacks the respiratory system, leading to the damage of lung tissue. Inhaled particulate matter, NO_2, and SO_2 can directly irritate the respiratory tract, constrict airways, and interfere with the mucous lining of the airways. Exposure to carbon monoxide, when absorbed into the bloodstream, can endanger the hemoglobin, the oxygen-carrying protein in blood, by reducing the amount of oxygen that reaches the heart, brain, and other body tissues. When air pollutants levels are high, a common occurrence in southern California, children, elderly, and people with respiratory problems are advised to remain indoors. Outdoor exercise also is discouraged because strenuous activity may cause shortness of breath and chest pains. A brief discussion of the criteria pollutants and their effect on human health and the environment is provided in Table 2.

Table 2
HEALTH EFFECTS SUMMARY OF THE MAJOR CRITERIA AIR POLLUTANTS

Pollutants	Sources	Primary Effects
Ozone (O_3)	Atmospheric reaction of organic gases with nitrogen oxides in sunlight	Aggravation of respiratory and cardiovascular diseases Irritation of eyes Impairment of cardiopulmonary function. Plant leaf injury
Nitrogen Dioxide (NO_2)	Motor vehicle exhaust High temperature stationary combustion Atmospheric reactions	Aggravation of respiratory illness Reduced visibility Reduced plant growth Formation of acid rain
Carbon Monoxide (CO)	Incomplete combustion of fuels and other carbon containing substances, such as motor exhaust Natural events, such as decomposition of organic matter	Reduced tolerance for exercise Impairment of mental function Impairment of fetal development Death at high levels of exposure Aggravation of some heart diseases (angina)
Particulate Matter ($PM_{2.5}$ and PM_{10})	Stationary combustion of solid fuels Construction activities Industrial processes Atmospheric chemical reactions	Reduced lung function Aggravation of the effects of gaseous pollutants Aggravation of respiratory and cardio-respiratory diseases Increased cough and chest discomfort Soiling Reduced visibility

Table 2 (cont.) HEALTH EFFECTS SUMMARY OF THE MAJOR CRITERIA AIR POLLUTANTS		
Pollutants	**Sources**	**Primary Effects**
Sulfur Dioxide (SO_2)	Combustion of sulfur-containing fossil fuels Smelting of sulfur bearing metal ores Industrial processes	Aggravation of respiratory diseases (asthma, emphysema) Reduced lung function Irritation of eyes Reduced visibility Plant injury Deterioration of metals, textiles, leather, finishes, coatings, etc.
Lead (Pb)	Contaminated soil	Impairment of blood function and nerve construction Behavioral and hearing problems in children

Source: CARB 2007e

2.2.1.3 *Toxic Air Contaminants*

The public's exposure to toxic air contaminants (TACs) is a significant environmental 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. The Health and Safety Code (Section 39655, subd. [a]) defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the Federal Clean Air Act (CAA; 42 USC Section 7412[b]) is a toxic air contaminant. Under state law, the California Environmental Protection Agency (CalEPA), acting through the CARB, is authorized to identify a substance as a TAC if it determines the substance is an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or that may pose a present or potential hazard to human health.

Cancer Risk. One of the primary health risks of concern due to exposure to TACs is the risk of contracting cancer. The carcinogenic potential of TACs is a particular public health concern because it is currently believed by many scientists that there is no "safe" level of exposure to carcinogens; that is, any exposure to a carcinogen poses some risk of causing cancer. Health statistics show that one in four people will contract cancer over his or her lifetime, or 250,000 in 1 million, from all causes, including diet, genetic factors, and lifestyle choices.

Noncancer Health Risks. Unlike carcinogens, it is believed that there is a threshold level of exposure to most noncarcinogens below which they will not pose a health risk. CalEPA and the California Office of Environmental Health Hazard Assessment (OEHHA) have developed reference exposure levels (RELs) for noncarcinogenic TACs that are health-conservative estimates of the levels of exposure at or below which health effects are not expected. The noncancer health risk due to exposure to a TAC is assessed by comparing the estimated level of exposure to the REL. The comparison is expressed as the ratio of the estimated exposure level to the REL, called the hazard index (HI).

2.3 Regulatory Setting

2.3.1 Air Quality Standards

Air quality is defined by ambient air concentrations of specific pollutants identified by the USEPA to be of concern with respect to health and welfare of the general public. The USEPA is responsible for enforcing the CAA of 1970 and its 1977 and 1990 Amendments. The CAA required the USEPA to establish National Ambient Air Quality Standards (NAAQS), which identify concentrations of pollutants in the ambient air below which no adverse effects on the public health and welfare are anticipated. In response, the USEPA established both primary and secondary standards for several pollutants (called "criteria" pollutants, specifically, ozone, particulate matter, carbon monoxide, nitrogen oxides, sulfur dioxide, and lead).

The CAA allows states to adopt ambient air quality standards and other regulations provided they are at least as stringent as federal standards. The CARB has established the more stringent California Ambient Air Quality Standards (CAAQS) for the six criteria pollutants through the California Clean Air Act (CCAA) of 1988, and also has established CAAQS for additional pollutants, including sulfates, H_2S, vinyl chloride, and visibility-reducing particles. Areas that do not meet the NAAQS or the CAAQS for a particular pollutant are considered to be "nonattainment areas" for that pollutant. On June 3, 2016, the San Diego Air Basin (SDAB) was classified as a moderate nonattainment area for the 8-hour NAAQS for ozone. Effective June 3, 2016, the USEPA determined that 11 areas, including the SDAB, failed to attain the 2008 Ozone NAAQS by the applicable attainment date of July 20, 2015 and, thus, are reclassified as "Moderate" for the 2008 Ozone NAAQS (CARB 2017a). The SDAB is an attainment area for the NAAQS for all other criteria pollutants including PM_{10} and $PM_{2.5}$. The SDAB is currently classified as a nonattainment area under the CAAQS for ozone, PM_{10}, and $PM_{2.5}$ (SDAPCD 2017).

Each nonattainment area must submit a State Implementation Plan (SIP) outlining the combination of local, state, and federal actions and emission control regulations necessary to bring the area into attainment as expeditiously as practicable. Then, even after the nonattainment area attains the air quality standard, it will remain designated a nonattainment area unless and until the state submits to the USEPA a formal request for redesignation to attainment. The request must include a "maintenance" plan demonstrating that the area will maintain compliance with that NAAQS for at least 10 years after the USEPA redesignates the area to attainment. A brief summary of the redesignation request and maintenance plan is provided below (SDAPCD 2012).

2.3.1.1 *One-Hour Ozone Standard*

San Diego County was designated nonattainment for the one-hour ozone standard on March 3, 1978. The region attained the one-hour ozone standard in 2001, based on 1999-2001 air quality data. The SDAPCD prepared and the CARB submitted to the USEPA a redesignation request and maintenance plan in 2002, and the USEPA re-designated San Diego County to attainment for the one-hour ozone standard on July 28, 2003. The USEPA subsequently revoked the one-hour ozone standard on June 15, 2005, after issuing area designations for the more

health-protective 1997 eight-hour ozone NAAQS. However, the USEPA-approved one-hour ozone Maintenance Plan remains in effect as the applicable ozone SIP until the USEPA approves a subsequent ozone SIP submittal (i.e., the Maintenance Plan herein) (SDAPCD 2012).

2.3.1.2 *1997 Eight-Hour Ozone Standard*

The region was designated nonattainment for the 1997 eight-hour ozone NAAQS, effective June 15, 2004, based on ozone air quality measurements over the 2001-2003 period. At that time, the USEPA did not further "classify" the region as "marginal," "moderate," "serious," "severe," or "extreme" nonattainment pursuant to section 181 of the CAA. Instead, the USEPA relied on CAA provisions in section 172 that do not require classifications and declared San Diego County (and other regions that had attained the former one-hour ozone NAAQS but violated the 8-hour standard) to be only "basic" (unclassified) nonattainment areas. Basic areas are allowed some flexibility in their air quality attainment plans, whereas classified areas are subject to more prescriptive regulatory requirements. In June 2007, the SDAPCD submitted an SIP revision fulfilling the requirements the USEPA had established for a basic nonattainment area.

However, the USEPA did not take action to approve the 2007 SIP submittal because, also in June 2007, a court ruled that USEPA must reconsider its implementation methodology and criteria for foregoing nonattainment classifications in affected regions, including San Diego County. In a rulemaking responding to the court remand, the USEPA classified San Diego County as a moderate ozone nonattainment area for the 1997 ozone standard, effective on June 13, 2012. According to the USEPA rulemaking, an SIP submittal addressing moderate ozone nonattainment area control requirements would be due in June 2013. Nevertheless, the SDAPCD is already implementing even more stringent NOx and VOC emission control rules that had been required because the area was previously classified as a serious nonattainment area for the former one-hour ozone standard. Those serious area controls remain in place pursuant to the existing one-hour ozone Maintenance Plan and are similarly retained in the proposed Maintenance Plan herein for the 1997 eight-hour ozone NAAQS.

The SDAPCD is now requesting redesignation of San Diego County to attainment of the 1997 ozone NAAQS. Because the region attained the standard in 2011, and this request for redesignation to attainment is being submitted prior to the June 2013 SIP submittal due date, those moderate area SIP requirements will not apply after the USEPA redesignates San Diego County to attainment for the 1997 ozone NAAQS. Instead, the Maintenance Plan included in this SIP submittal will fulfill that SIP submittal requirement (SDAPCD 2012).

2.3.1.3 *2008 Eight-Hour Ozone Standard*

The USEPA designated and classified San Diego County as a marginal ozone nonattainment area for the 2008 ozone standard, effective July 20, 2012, based on 2009-2011 ozone data. Redesignation to attainment of the 1997 standard, if approved, would not affect the region's marginal nonattainment status for the 2008 standard (SDAPCD 2012).

The SDAPCD is required to submit a SIP that identifies control measures and emission reductions to achieve attainment statue for eight-hour ozone by July 20, 2018. To address this

requirement, the SDAPCD prepared the 2008 Eight-hour Ozone Attainment Plan, which was finalized in December 2016 and was adopted by the SDAPCD.

The CARB is the state regulatory agency with authority to enforce regulations to both achieve and maintain the NAAQS and CAAQS. The CARB is responsible for the development, adoption, and enforcement of the state's motor vehicle emissions program, as well as the adoption of the CAAQS. The CARB also reviews operations and programs of the local air districts and requires each air district with jurisdiction over a nonattainment area to develop its own strategy for achieving the NAAQS and CAAQS. The local air district has the primary responsibility for the development and implementation of rules and regulations designed to attain the NAAQS and CAAQS, as well as the permitting of new or modified sources, development of air quality management plans, and adoption and enforcement of air pollution regulations. The SDAPCD is the local agency responsible for the administration and enforcement of air quality regulations for San Diego County.

The SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The San Diego County RAQS was initially adopted in 1991 and is updated on a triennial basis. The RAQS was initially adopted by the SDAPCD on June 30, 1992, and amended on March 2, 1993, in response to CARB comments. SDAPCD further updated the RAQS Revisions on December 12, 1995; June 17, 1998; August 8, 2001; July 28, 2004; and April 22, 2009. The most recent SDAPCD revisions to the RAQS were adopted by the SDAPCD Board in December 2016. The local RAQS, in combination with those from all other California nonattainment areas with serious (or worse) air quality problems, is submitted to the CARB, which develops the SIP. The SDAPCD has developed its input to the SIP, which includes the SDAPCD's plans and control measures for attaining the ozone NAAQS. SDAPCD submitted an air quality plan to the USEPA in 2007; the plan demonstrated how the eight-hour ozone standard would be attained by 2009. Despite best efforts, SDAB did not meet the ozone NAAQS in 2008 and 2009, SDAPCD is currently revising their air quality plan. These plans accommodate emissions from all sources, including natural sources, through implementation of control measures, where feasible, on stationary sources to attain the standards. Mobile sources are regulated by the USEPA and CARB, and the emissions and reduction strategies related to mobile sources are considered in the RAQS and SIP.

The RAQS relies on information from the CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed by the cities and the County as part of the development of the County's General Plan. As such, projects that propose development that is consistent with the growth anticipated by the general plans would be consistent with the RAQS. In the event that a project would propose development that is less dense than anticipated within the general plan, the project would likewise be consistent with the RAQS. If a project proposes development that is greater than that anticipated in the general plan and SANDAG's growth projections, the project might be in conflict with the RAQS and SIP and might have a potentially significant impact on air quality.

The SIP relies on the same information from SANDAG to develop emission inventories and emission reduction strategies that are included in the attainment demonstration for the air basin. The SIP also includes rules and regulations that have been adopted by the SDAPCD to control emissions from stationary sources. These SIP-approved rules may be used as a guideline to determine whether a project's emissions would have the potential to conflict with the SIP and thereby hinder attainment of the NAAQS for ozone. Table 3 presents a summary of the ambient air quality standards adopted by the CAA and CCAA.

Table 3
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[8]	1-Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM_{10})[9]	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 ($PM_{2.5}$)[9]	24-Hour	-	-	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	12 µg/m^3	15 µg/m^3	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3	-	Non-Dispersive Infrared Photometry (NDIR) -
	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)[10]	1-Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	0.100 ppm (188 µg/m^3)	-	Gas Phase Chemilumi-nescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		0.053 ppm (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1-Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m$^{3)}$	-	Ultraviolet Fluorescence; Spectro-photometry (Pararo-saniline Method
	3-Hour	-		-	0.5 ppm (1300 µg/m^3)	
	24-Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (365 µg/m^3) (for certain areas)[9]	-	
	Annual Arithmetic Mean	-		0.030 ppm (80 µg/m^3) (for certain areas)[9]	-	

Table 3 (cont.) 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]**
Lead[12,13]	30-Day Average	1.5 µg/m^3	Atomic Absorption	-	-	- High Volume Sampler and Atomic Absorption
	Calendar Quarter	-		1.5 µg/m^3	Same as Primary Standard	
	Rolling 3-Month Average	-		0.15 µg/m^3		
Visibility Reducing Particles[14]	8-Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No Federal Standards		
Sulfates	24-Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24-Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

Notes for Table 3:
Source: CARB 2016

[1] California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, suspended 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 averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest eight hour concentration 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 USEPA for further clarification and current federal 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 procedure which can be shown to the satisfaction of the CARB 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 USEPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the USEPA.

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

[9] On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[10] 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 and 0.100 ppm, respectively.

[11] 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-hour 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 have are approved.

[12] The CARB 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.

[13] 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.

[14] In 1989, the CARB converted both the general statewide 10-mile visibility standards and the Lake Tahoe 20-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.

ppm = parts per million; µg/m^3 = micrograms per cubic meter; mg/m^3 = milligrams per cubic meter

The current attainment statuses for San Diego County are included in Table 4, *Federal and State Air Quality Designation*.

Table 4 FEDERAL AND STATE AIR QUALITY DESIGNATION		
Criteria Pollutant	**Federal Designation**	**State Designation**
Ozone (1-hour)	No federal standard	Nonattainment
Ozone (8-hour)	Nonattainment	Nonattainment
CO	Attainment	Attainment
PM_{10}	Unclassifiable	Nonattainment
$PM_{2.5}$	Attainment	Nonattainment
NO_2	Attainment	Attainment
SO_2	Attainment	Attainment
Pb	Attainment	Attainment
Sulfates	No federal standard	Attainment
H_2S	No federal standard	Unclassifiable
Visibility	No federal standard	Unclassifiable

Source: SDAPCD 2017a

2.3.2 CARB Air Quality and Land Use Handbook

The CARB published the *Air Quality and Land Use Handbook* on April 28, 2005 (the "CARB Handbook"), to serve as a general guide for considering health effects associated with siting sensitive receptors proximate to sources of TACs. The CARB Handbook explicitly states that it is advisory in nature and that local land use decisions do not have to be consistent with its recommendations (CARB 2005). Some examples of CARB's recommendations include avoiding siting sensitive receptors within: (a) 500 feet of a freeway, urban road with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day; (b) 1,000 feet of a transport distribution centers; (c) 300 feet of any dry cleaning operation using perchloroethylene; or (d) within 500 feet for dry cleaning operation with two or more machines.

2.3.2.1 *California Diesel Regulations*

The CARB is responsible for developing statewide programs and strategies to reduce the emission of smog-forming pollutants and toxics by diesel-fueled mobile sources. The identification of diesel particulate matter (DPM) as a TAC in 1998 led the CARB to adopt the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles* in 2000 (CARB 2000).

2.3.2.2 *California Diesel Fuel Regulations*

Standards for diesel fuel are contained in Title 13, Division 3, Chapter 5, Article 2 of the California Code of Regulations. These standards include sulfur limitations for diesel fuel sold in California for use in on-road and off-road motor vehicles (CARB 2005). Diesel fuel used in motor vehicles was limited to 500 ppm sulfur starting in October 1993. The sulfur limit was reduced to 15 ppm beginning in September 1, 2006. (A federal diesel rule similarly limits sulfur content nationwide for on-road vehicles to 15 ppm, which began on October 15, 2006.)

2.3.2.3 *California Off-road Diesel Vehicle Regulation*

On July 26, 2007, the CARB adopted a regulation to reduce DPM and NOx emissions from in-use (existing) off-road heavy-duty diesel vehicles in California (CARB 2007c). Any person, business, or government agency that owns or operates diesel-powered off-road vehicles in California (except for agricultural or personal use, or for use at ports or intermodal rail yards) with engines with maximum power of 25 horsepower (hp) or greater are subject to the regulation. For example, all off-road diesel-powered construction equipment greater than 50 hp sold after January 2009 are required to meet Tier 2 off-road emission standards. Beginning January 1, 2012 through December 31, 2014, all newly purchased off-road diesel-powered construction equipment greater than 50 hp are required to meet Tier 3 off-road emissions standards. After January 1, 2015, all equipment greater than 50 hp must meet the Tier 4 emission standards. The regulation applies to new equipment commonly purchased for construction, mining, rental, airport ground support, and other industries. Out-of-state companies doing business in California are also subject to the regulation. It should be noted that this regulation does not apply to existing equipment purchased or leased.

2.3.2.4 *California On-road Heavy-duty Diesel Vehicles Regulation*

In 2008, the CARB approved a regulation (CARB 2008) to significantly reduce emissions from existing trucks and buses operating in California. This regulation requires all on-road heavy-duty diesel truck engines to be replaced or retrofitted with PM filter devices certified by CARB. Affected vehicles include on-road, heavy-duty, diesel-fueled vehicles with a gross vehicle weight rating (GVWR) greater than 14,000 pounds; yard trucks with off-road certified engines; and diesel-fueled shuttle vehicles of any GVWR. Out-of-state trucks and buses that operate in California are also subject to the regulation. Approximately 170,000 businesses in nearly all industry sectors in California and almost one million vehicles that operate on California roads each year are affected. Some common industry sectors that operate vehicles subject to the regulation include for-hire transportation; construction, manufacturing, retail, and wholesale trade; vehicle leasing and rental; bus lines; and agriculture.

2.3.2.5 *Naturally Occurring Asbestos*

In July 2002, the CARB approved an air toxic control measure for construction, grading, quarrying, and surface mining operations to minimize naturally occurring asbestos emissions (CARB 2001). The regulation requires application of best management practices to control fugitive dust in areas known to have naturally occurring asbestos, and it requires notification to the local air district prior to commencement of ground-disturbing activities.

A review of the *General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos* (California Division of Mines and Geology, 2000) was conducted. The guide shows that the Project site is not located in an area of potential naturally occurring asbestos. Therefore, no further action is required. As such, Project-related naturally occurring asbestos impacts would be less than significant.

2.3.2.6 *Air Toxics Hot Spots Information and Assessment Act*

The California Air Toxics Hot Spots Information and Assessment Act (AB 2588) was enacted by the Legislature in 1987 to address public concern over the release of toxic air contaminants into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information to identify sources of toxic air contaminants, assess air toxic problems, locate resulting "hot spots," notify persons that may be exposed to significant risks, and develop effective strategies to reduce potential risks to the public. In San Diego County, There are currently no active aggregate processing facilities that are required to implement a risk reduction plan or conduct public notification (SDAPCD 2017b). Table 5 presents a summary of previous health risk assessment results for the aggregate facilities in San Diego County.

Table 5
HEALTH RISK ASSESSMENT RESULTS FOR AGGREGATE PROCESSING FACILITIES IN SAN DIEGO COUNTY

Operator/Facility	Max. Lifetime Cancer Risk per Million[1]	Lifetime Cancer Burden[2]	Chronic Total Hazard Index[3]	Acute Total Hazard Index[4]
Superior Ready Mix / Canyon Rock	5.6	< 0.1	< 0.1	0.47
Hanson Aggregates / Nelson & Sloan / 7th & Main	4.2	< 0.1	< 0.1	< 0.1
Vulcan / CALMAT Co. / Hwy 76	4.2	< 0.1	< 0.1	< 0.1
Hanson Aggregates / Sim J. Harris	3.9	< 0.1	< 0.1	< 0.1
Hanson Aggregates/ H.G. Fenton/ East County Materials	3.7	< 0.1	< 0.1	< 0.1
Vulcan / CALMAT Co. / Friars Rd	3.3	< 0.1	0.14	0.3
Hanson Aggregates / Nelson & Sloan / Tri Way	3.1	< 0.1	< 0.1	0.1
Hanson Aggregates / H.G. Fenton / Carrol Canyon	2.6	< 0.1	< 0.1	< 0.1

Table 5 (cont.) HEALTH RISK ASSESSMENT RESULTS FOR AGGREGATE PROCESSING FACILITIES IN SAN DIEGO COUNTY				
Operator/Facility	**Max. Lifetime Cancer Risk per Million[1]**	**Lifetime Cancer Burden[2]**	**Chronic Total Hazard Index[3]**	**Acute Total Hazard Index[4]**
Hanson Aggregates / Nelson & Sloan / Birch Quarry	2.1	< 0.1	< 0.1	0.1
Asphalt Inc.	1.3	< 0.1	< 0.1	< 0.1
Vulcan / CALMAT Co. / Black Mountain Road	1.3	< 0.1	0.20	0.4
Hanson Aggregates / South Coast Materials	0.7	< 0.1	< 0.1	< 0.1

Source: SDAPCD 2013. 2012 Air Toxics "Hot Spots" Program Report for San Diego County.

Notes:

1. This column reports the maximum lifetime excess cancer risk estimate at an occupational or residential receptor (whichever is greater) approved by the District. The maximum estimated risk generally is possible at only one location. All other locations show lower risks. This estimate assumes that a person resides at the location of maximum impact 24 hours per day, 365 days per year, for 70 years of exposure or a person works at the location of maximum impact 8 hours per day, 245 days per year, for 40 years of exposure. Actual cancer risk will likely be less.
2. Excess cancer burden is an estimate of the increased number of cancer cases in a population (i.e., all census tracts within or partially within the one in one million people) as a result of exposure to emitted substances. Actual cancer burden will likely be less.
3. Chronic total health hazard index (THI) is the sum of the ratios of the average annual exposure level of each compound to the compound's reference exposure level (REL). Actual chronic THI will likely be less.
4. Acute THI is the sum of the ratios of the maximum one-hour exposure level of each compound to the compound's REL. Actual acute THI will likely be less.
5. SDAPCD's HRA results are points of maximum impact. Maximum lifetime cancer risk was less than 10 in one million, chronic Total Hazard Index was less than 1 and acute Total Hazard Index was less than 1 at all residential, occupational, and commercial locations.

2.3.3 SDAPCD Rules and Regulations

The SDAPCD also has the authority to adopt and enforce regulations dealing with controls for specific types of stationary sources, emissions of hazardous air pollutants, and New Source Review (NSR). The SDAPCD Rules and Regulations are part of the SIP and are separately enforceable by the USEPA. The following SDAPCD rules apply to the Proposed Project:

- Rule 20 (Standards for Granting Permits) establishes the conditions under which an Authority to Construct (ATC) a new source of air pollutants shall be issued. Applicable NSR requirements are contained in Rules 20.1, 20.2, and 20.3. Rule 20.1 (NSR – General Provisions) provides general provisions related to Rule 20 and includes emission calculation procedures. Rules 20.2 (NSR – Non-Major Stationary Sources) and 20.3 (NSR – Major Stationary Sources & Prevention of Significant Deterioration [PSD] Stationary Sources) provide specific requirements for non-major and major sources and include standards for BACT, lowest achievable emission rate (LAER), Air Quality Impact Analysis (AQIA), PSD, public notification, and emission offsets.

- Rule 50 (Visible Emissions) prohibits the excess emissions of visible fugitive dust. Rules 52 (PM), 53 (Specific Air Contaminants), and 54 (Dust and Fumes) limit the allowable particulate emissions from stacks.

- Rule 51 (Nuisance) prohibits emissions that cause a nuisance or other harm to any person. This nuisance rule is identical to the State Health and Safety Code Section 41700 and states: "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause or have a natural tendency to cause injury or damage to business or property."

- Rule 55 (Fugitive Dust Control) limits fugitive dust emissions.

- Rule 1200 (TAC –NSR) stipulates that proposed facilities with potential emissions of TACs conduct a health risk assessment (HRA) to evaluate off-site impacts from stationary sources on human health. An HRA is included as part of this technical report (see Section 8). Rule 1210 (TACs Public Health Risks – Public Notification and Risk Reduction) outlines public health risk notification requirements for facilities with potential public health risks at or above levels specified in the rule.

2.4 Background Air Quality

The SDAPCD currently operates a network of 11 ambient air monitoring stations throughout San Diego County (SDAPCD 2017). The purpose of the monitoring stations is to measure ambient concentrations of the pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The monitoring station within closest proximity to the Proposed Project area is the Otay Mesa-Donovan station located approximately one mile to the west at 480 Alta Road.

Data from the Otay Mesa-Donovan monitoring station are listed in Table 6, *Ambient Background Concentrations*. Air quality data provided demonstrate the Project area had acceptable levels of NO_2 for the years 2016 to 2018, the most recent years for which data are available (CARB 2019). Conversely, data from this station show that there have been air quality violations for the pollutants O_3, PM_{10}, and $PM_{2.5}$ during the same timeframe. This data is consistent with the overall SDAB, which is in nonattainment for O_3, PM_{10}, or $PM_{2.5}$.

Table 6 shows violations of state and federal PM_{10} and $PM_{2.5}$ standards, and demonstrates that state and federal standard violations have occurred in the Project area.

Table 6 AMBIENT BACKGROUND CONCENTRATIONS AT THE OTAY MESA-DONOVAN MONITORING STATION			
Air Pollutant	**2016**	**2017**	**2018**
Ozone (O_3)			
Max 1-Hour (ppm)	0.092	0.097	0.092
Days > CAAQS (0.09 ppm)	0	1	0
Max 8-Hour (ppm)	0.075	0.082	0.079
Days > NAAQS (0.070 ppm)	4	6	1
Days > CAAQS (0.070 ppm)	4	6	1
Particulate Matter (PM_{10})			
Max Daily (µg/m^3)	79.0	69.0	55.0
Days > NAAQS (150 µg/m^3)	0	0	0
Days > CAAQS (50 µg/m^3)	9	4	3
Annual Average (µg/m^3)	31.3	26.9	26.2
Exceed CAAQS (20 µg/m^3)	Yes	Yes	Yes
Particulate Matter ($PM_{2.5}$)			
Max Daily (µg/m^3)	42.1	42.7	50.8
Days > NAAQS (35 µg/m^3)	*	*	*
Annual Average (µg/m^3)	12.8	*	*
Exceed NAAQS (12 µg/m^3)	Yes	*	*
Exceed CAAQS (12 µg/m^3)	Yes	*	*
Nitrogen Dioxide (NO_2)			
Max 1-Hour (ppm)	0.067	0.074	0.054
Days > CAAQS (0.18 ppm)	0	0	0
Annual Average (ppm)	0.008	0.008	0.006
Exceed NAAQS (0.053 ppm)	No	No	No
Exceed CAAQS (0.030 ppm)	No	No	No

Sources: CARB 2019
> = exceeding; µg/m^3 = micrograms per cubic meter; * = insufficient data

Table 6 highlights violations of the state one-hour standard for O_3, demonstrating that such violations occurred over the past three years, but that the violations were rare (one at most per year). Violations of the state and federal eight-hour standards for O_3 are also detailed in Table 6. This table demonstrates that there have been multiple violations up to six days a year with respect to the state and federal 8-hour ozone standards.

3.0 SIGNIFICANCE CRITERIA AND ANALYSIS METHODOLOGIES

3.1 Significance Criteria

The County (2007) has approved guidelines for determining significance based on Appendix G.III of the California Environmental Quality Act (CEQA) Guidelines, which provide guidance that a project would have a significant environmental impact if it would:

1. Conflict with or obstruct the implementation of the San Diego County 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;

    a. Result in emissions that exceed 250 pounds per day of NO_X, or 75 pounds per day of VOCs.

    b. Result in emissions of CO of 550 pounds per day, and when totaled with the ambient concentrations, will exceed a one-hour concentration of 20 ppm or an eight-hour average of 9 ppm.

    c. Result in emissions of $PM_{2.5}$ that exceed 55 pounds per day.

    d. Result in emissions of PM_{10} that exceed 100 pounds per day and increase the ambient PM_{10} concentration by 5 micrograms per cubic meter (5.0 $\mu g/m^3$) or greater at the maximum exposed individual.

3. Result in a cumulatively considerable net increase of PM_{10} or $PM_{2.5}$ or exceed quantitative thresholds for ozone precursors, NO_X and VOCs;

4. Expose sensitive receptors (including, but not limited to, schools, hospitals, resident care facilities, or day-care centers) to substantial pollutant concentrations;

    a. Place sensitive receptors near CO "hot spots" or creates CO "hot spots" near sensitive receptors.

    b. Result in exposure to TACs resulting in a maximum incremental cancer risk greater than 10 in 1 million with application of Best Available Control Technology for Toxics (T-BACT) or a health hazard index greater than 1.

5. Create objectionable odors affecting a substantial number of people.

As stated above, projects that propose development consistent with the growth anticipated by the general plans and SANDAG's growth forecasts would be consistent with the RAQS and SIP. Also, projects that are consistent with the SIP rules (i.e., the federally approved rules and regulations adopted by the SDAPCD) are consistent with the SIP. Thus, projects would be required to conform with measures adopted in the RAQS (including compliance with rules and regulations governing stationary sources and portable equipment registration program) and would also be required to comply with all applicable rules and regulations adopted by the SDAPCD.

The County recognizes the SDAPCD's established AQIA thresholds for air quality emissions (Rules 20.1 et seq.) for application as screening level thresholds (SLTs) for CEQA projects. To determine whether a project would (a) result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation, or (b) result in a cumulatively considerable net increase of PM_{10} or $PM_{2.5}$ or exceed quantitative thresholds for ozone precursors, NO_X and VOCs, project emissions may be evaluated based on the quantitative emission thresholds established by the SDAPCD where applicable. As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 for the

preparation of AQIAs. The County also recommends use of the South Coast Air Quality Management District's (SCAQMD's) screening threshold of 75 pounds per day or 13.7 tpy as a significance threshold for VOCs, and 55 pounds per day or 10 tpy for $PM_{2.5}$.

The County also recognized that the Proposed Project consists of industrial type of land uses, and two separate thresholds were used to determine significance. The Proposed Project will generate emissions from two types of sources—stationary source emissions (permitted source) and non-stationary source emissions (non-permitted source). The SDAPCD promulgated AQIA threshold levels for emissions from stationary sources (SDAPCD Rules 20.2 and 20.3). If these incremental levels for stationary sources are exceeded, an AQIA must be performed for the proposed emission sources. Under the Rule 20.2, New Source Review (NSR), prior to construction of the aggregate plant, the Applicant will need to obtain an ATC and Permit to Construct (PTC) from the SDAPCD. The NSR rule requires installation of BACT to reduce emissions as much as practicable. In addition, Rule 20.2 requires emission sources with stationary source emissions greater than certain thresholds for operational emissions in Table 7 (except for VOC and $PM_{2.5}$) to obtain emission offsets. SDAPCD Rules 20.2 and 20.3 do not have AQIA thresholds for emissions of VOCs and $PM_{2.5}$. Note that the emission offset regulations apply only to stationary emission sources. Stationary source emissions generally include emissions from the aggregate processing plant, cement-treated base (CTB) plant, hot mix asphalt plant (HMA) plant, concrete batch plant, and recycle material plant. All other sources at the Proposed Project site are considered non-stationary emissions sources (i.e., mobile emissions that are not regulated under the SDAPCD authority).

Table 7
SCREENING-LEVEL THRESHOLDS FOR AIR QUALITY IMPACT ANALYSIS

Pollutant	Total Emissions		
Construction Emissions			
	Pounds per Day		
Respirable Particulate Matter (PM_{10})	100		
Fine Particulate Matter ($PM_{2.5}$)	55		
Oxides of Nitrogen (NO_X)	250		
Oxides of Sulfur (SO_X)	250		
Carbon Monoxide (CO)	550		
Volatile Organic Compounds (VOCs)	75		
Operational Emissions			
	Pounds Per Hour	**Pounds per Day**	**Tons per Year**
Respirable Particulate Matter (PM_{10})	---	100	15
Fine Particulate Matter ($PM_{2.5}$)	---	55	10
Oxides of Nitrogen (NO_X)	25	250	40
Oxides of Sulfur (SO_X)	25	250	40
Carbon Monoxide (CO)	100	550	100
Lead and Lead Compounds	---	3.2	0.6
Volatile Organic Compounds (VOCs)	---	75	13.7

Table 7 (cont.) SCREENING-LEVEL THRESHOLDS FOR AIR QUALITY IMPACT ANALYSIS	
Pollutant	**Total Emissions**
Toxic Air Contaminant Emissions	
Excess Cancer Risk	1 in 1 million 10 in 1 million with T-BACT
Non-Cancer Hazard	1.0 hazard index

Source: SDAPCD Rule 20.2 and Rule 1210, County of San Diego 2007. Thresholds for VOCs and $PM_{2.5}$ based on the threshold of significance for VOCs and $PM_{2.5}$ from the SCAQMD for the Coachella Valley.
Notes: The thresholds for VOCs and $PM_{2.5}$ are not included in the SDAPCD Rule 20.1 - AQIA. For the purpose of standardizing the unit of measure, 13.7 tons per year threshold based on 75 pounds per day multiplied by 365 days per year and divided by 2,000 pounds per ton.

SDAPCD Rule 20.2, which outlines these AQIAs, states that any project which results in an emissions increase equal to or greater than any of these levels, must:

> demonstrate through an AQIA... that the project will not (A) cause a violation of a State or national ambient air quality standard anywhere that does not already exceed such standard, nor (B) cause additional violations of a national ambient air quality standard anywhere the standard is already being exceeded, nor (C) cause additional violations of a State ambient air quality standard anywhere the standard is already being exceeded, nor (D) prevent or interfere with the attainment or maintenance of any State or national ambient air quality standard.

For the Proposed Project, whose stationary emissions are below these AQIA criteria, no dispersion modeling is typically required and project-level emissions are presumed to be less than significant. Although these AQIA trigger levels do not generally apply to mobile sources or non-stationary emission sources, for CEQA purposes, the SLT levels in Table 7 (for all criteria pollutants) may be used to evaluate the increased emissions that would be discharged to the SDAB from the Proposed Project.

For purposes of air quality analysis, two separate thresholds (i.e., AQIA and CEQA SLTs) can be used to assess if a project's emissions (e.g., stationary emissions, and emissions from mobile sources) would result in a significant impact to air quality. When project emissions have the potential to approach or exceed the AQIA trigger level or SLTs, additional air quality modeling may need to be performed to demonstrate that ground-level concentrations resulting from project emissions (with background levels) would be below federal and state ambient air quality standards listed in Table 2.

For CEQA purposes, these screening criteria can be used as numeric metrics to assess if a project's total emissions would result in a significant impact to air quality. The CEQA SLTs are included in Table 7.

For nonattainment pollutants (ozone [with ozone precursors NOx and VOCs], $PM_{2.5}$ and PM_{10}), if emissions exceed the thresholds shown in Table 5, the Project could have the potential to contribute to air quality violations and result in a cumulatively considerable net increase in these pollutants, and thus could have a significant impact on the ambient air quality.

In addition to impacts from criteria pollutants, Project impacts may include emissions of pollutants identified by the state and federal government as TACs or Hazardous Air Pollutants (HAPs), respectively. In San Diego County, Planning & Development Services (PDS) identifies an excess cancer risk level of 1 in 1 million or less for projects that do not implement T-BACT, and an excess cancer risk level of 10 in 1 million or less for projects that do implement T-BACT. The significance threshold for noncancer health effects is a health hazard index of one or less. These significance thresholds are consistent with the SDAPCD's Rule 1210 requirements for stationary sources. If a project has the potential to result in emissions of any TAC or HAP that result in a cancer risk of greater than 1 in 1 million without T-BACT, 10 in 1 million with T-BACT, or a health hazard index of one or more, the project would be deemed to have a potentially significant impact.

With regard to evaluating whether a project would have a significant impact on sensitive receptors, air quality regulators typically define sensitive receptors as residences, schools (Preschool-12th Grade), hospitals, resident care facilities, or day-care centers, or other facilities that may house individuals with health conditions that would be adversely impacted by changes in air quality. Any project that has the potential to directly impact a sensitive receptor located within three kilometers (1.86 miles) (USEPA 2005) and results in a health risk greater than the cancer risk significance thresholds discussed above would be deemed to have a potentially significant impact.

Section 6318 of the County Zoning Ordinance requires all commercial and industrial uses "be operated as not to emit matter causing unpleasant odors which are perceptible by the average person at or beyond any lot line of the lot containing said uses." SDAPCD Rule 51 (Public Nuisance) also prohibits emission of any material causing nuisance to a considerable number of persons or endangers the comfort, health or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

Potential impacts associated with construction and operation of the Project were evaluated for significance based on these significance criteria.

3.2 Methodology

This section discusses (1) the sources and methodology for estimating the Proposed Project's air pollutant emissions to determine whether the project-related mass daily emissions exceed the SDAPCD thresholds and County SLTs; and (2) the air dispersion models utilized to determine if the modeled project-related pollutant concentrations exceed SDAPCD incremental thresholds (SDAPCD Rule 1200(d)) and NAAQS and CAAQS in order to assess the level of impact. The Proposed Project's air pollutant emissions result from construction (mobile equipment on site and off site); on-site operations for the duration of the Project (mobile equipment for excavations and process plant loading, stationary process plants, and fuel tanks); and off-site operations (haul or delivery trucks). Table 8 presents a summary of the emission sources and analysis methodologies. Figure 4 shows the operational emission sources and locations on- and off-site.

Table 8 EMISSION SOURCES AND ANALYSIS METHODOLOGIES			
Activity or Process	**Source of Emissions**	**Types of Emissions**	**Calculation Methodology**
Mining	Drilling, Blasting, and Excavation	PM_{10}, $PM_{2.5}$, CO, NO_X, VOC, SO_2, and TACs	Emission factors from EPA (AP-42) and CARB (OFFROAD)
Aggregate Processing	Crushers, screens, radial stackers, conveyors	PM_{10}, $PM_{2.5}$, and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Cement–Based Plant	Storage silos, conveyors, truck loading	PM_{10}, $PM_{2.5}$, and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Hot Mix Asphalt Plant	Dryer, storage silos, truck loading, screen, conveyors	PM_{10}, $PM_{2.5}$, CO, NO_X, VOC, SO_2, and TACs	Emission factors, equipment vendor specification and emission warrantees
Ready Mix Concrete Batch Plant	Storage silos, conveyors, truck loading	PM_{10}, $PM_{2.5}$, and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Recycling Plant	Rock crushing, conveyors, storage piles	PM_{10}, $PM_{2.5}$, and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Product Delivery, Employee Travel	Tailpipe emissions from trucks, delivery and employee vehicles	PM_{10}, $PM_{2.5}$, CO, NO_X, VOC, SO_2, and TACs	EMFAC2017 emission model
General material handling, truck loading/unloading, fuel storage	Unloading/loading of trucks, storage piles, travel on unpaved roads, refueling operations, truck idling	PM_{10}, $PM_{2.5}$, CO, NO_X, VOC, SO_2, and TACs	Emission factors from EPA (AP-42 and Tanks), CARB (OFFROAD), and SDAPCD Emission Inventory Program
Reclamation	Material handling, dozer operation, grading	PM_{10}, $PM_{2.5}$, CO, NO_X, VOC, and SO_2	Emission factors from EPA (AP-42)

Table 9 identifies the types of processing plant and mobile equipment that may be used in Project operations.

Table 9 TYPICAL SITE EQUIPMENT		
Equipment	**Fuel**	**Uses**
Mining Operations		
Dozers	Diesel	Stripping, reclamation and surge feed to shovels/loaders
Drill Rigs – Blast holes	Diesel	Drilling holes for placement of explosives
Bulk emulsion distribution truck	Diesel	Load bulk explosives into drill holes
Loaders – Front-end or Hydraulic shovels	Diesel	Uses to load haul trucks at quarry face
Excavator	Diesel	Breaking down oversized rocks
Haul trucks	Diesel	Haul raw aggregate material from quarry face to primary crushing area
Water trucks	Diesel	Water haul road and access roads
Rock Processing Plant Operations		
Primary Crusher	Electricity	Reducing oversized rocks to approximate size for conveyor transport
Pit Conveyor	Electricity	Conveying raw materials to raw material stockpiles at primary processing plant
Secondary cone crusher	Electricity	Reducing rock to products specification sizes
Dry Screens	Electricity	Sort rock to specified sizes
Wet Screens	Electricity	Wash and sort rock to specified sizes
Plant Conveyors	Electricity	Transfer material between processes
Stockpile Conveyors	Electricity	Stockpile finished aggregate for load-out
Overland and Underground Conveyors	Electricity	Convey aggregate material to secondary and ancillary processing and load-out areas
Load-out silos	Electricity	Load processed aggregate materials onto trucks for delivery off-site.
Front-end Loaders	Diesel	Load processed aggregate materials onto trucks for delivery off-site.
Water Truck	Diesel	Water stockpile area and access roads.
Hot-Mix Asphalt Plant	Electricity and Natural Gas	Used to manufacture asphaltic concrete from rock products produced on-site and from asphalt oil delivered and stored on-site.
Ready Mix Concrete Plant	Electricity	Manufacturing of ready-mix concrete using rock products produced on-site, and Portland cement and fly ash delivered and stored on-site.
Cement Treated-Base Plant	Electricity	Manufacturing of cement using rock/sand products produced on-site and mixed with cement powder. Water is added off-site.

Table 9 (cont.) TYPICAL SITE EQUIPMENT		
Equipment	**Fuel**	**Uses**
Mining Operations (cont.)		
Recycled Materials Plant	Electricity	Manufacturing of recycled products using asphalt and concrete delivered from off-site.
Portable Diesel Generator	Diesel	Provide power to temporary and/or portable processing plant.
Administrative Equipment		
Scales	Electricity	Weighing trucks for sales tonnage
Office	Electricity	Mine offices
Shop	Electricity	Equipment Maintenance Shops
Pickups/Mechanics Trucks	Gas/Diesel	Maintenance and administrative vehicles
Storage Tanks		
Above-ground Diesel Fuel Storage Tank (10,000 gallon capacity)	N/A	Storage of fuel for mobile and stationary equipment.
Fuel Pump	Electricity	Transfer of fuel from storage tank
Cement Storage Silos	N/A	Storage of cement
Fly Ash Storage Tank	N/A	Storage of fly ash
Above-ground Asphalt Oil Storage Tank	N/A	Storage of asphalt oil for use in manufacturing of asphaltic concrete.
Ready-Mix Concrete Storage Silo	N/A	Storage of cement.

3.2.1 Worst Case Daily Operational Emission Assumptions

Emissions are not constant for the life of the quarry. This is due to the fact that maximum production rates and emission factors change over time. Production rates start small and ramp up over time to maximum production. Emission factors (emissions per mile traveled or ton produced) typically become smaller as the result of enhanced emission controls and regulatory programs. Therefore, an analysis was conducted to identify the maximum (i.e., "worst case") emissions.

Construction at the proposed Project could start as early as year 2020. Production could, therefore, begin as early as year 2021. It is anticipated that full production would not be reached until year 2024 or later. Note that construction would be completed before production begins. Therefore, for years 2021 and beyond, the emissions are only related to mining and aggregate production, which includes reclamation activities as reclamation occurs continuously along with the mining activities.

The Proposed Project has the potential to emit the following regulated air pollutants throughout the life of the quarry: (a) particulate matter less than 10 microns in aerodynamic diameter (PM_{10}); (b) particulate matter less than 2.5 microns in aerodynamic diameter ($PM_{2.5}$); (c) CO; (d) NO_X; (e) SO_2; (f) VOCs; (g) HAPs; and (h) greenhouse gases (GHGs), including CO_2, methane (CH_4), and nitrous oxide (N_2O). (Note: GHG emissions are presented in a separate Greenhouse Gas Analysis Report.)

Emissions of potential pollutants are calculated using emission unit process rates, emission factors, and pollution control efficiencies (if applicable). The emission factors used are based on standard emission factors widely used in impact assessments throughout the U.S. and accepted by the USEPA, CARB, and SDAPCD. The emission factors are from a variety of sources including manufacturers' specifications (which will become permit conditions), regulatory emission limits, and the most common being the USEPA Publication AP-42, *Compilation of Air Pollutant Emission Factors, Vol. I: Stationary, Point, and Area Sources*. This publication is continually updated and revised by the USEPA to yield the most accurate emission factors feasible and is used by regulatory agencies in the U.S. to estimate emissions from proposed and existing sources. AP-42 defines an emission factor as "a representative value (emphasis in the original) that attempts to relate the quantity of a pollutant released to the atmosphere with an activity associated with the release of the pollutant" (USEPA 1995).

The emission factors are determined using: (a) emission factors and methods from the SDAPCD Emission Inventory Program; (b) the latest version of the AP-42; (c) emission limitations and standards; (d) material balances; (e) USEPA Tanks Program 4.09d; (f) emission rates from OFFROAD for heavy-duty equipment; and (g) EMFAC2017 motor vehicle emission factors programs.

Establishing an emission factor for a source type is only one part of the ambient AQIA. Additional assumptions are made, including assuming that the equipment operates at maximum capacity continuously for the life of the quarry to help ensure that the assessment represents the maximum ambient impact. The maximum capacity assumption is coupled with the worst-case meteorological period out of three years of meteorological data and the highest background ambient concentrations out of three years of data. Finally, the maximum impact point anywhere beyond the facility boundary is assessed that is typically found at the property or fence line. This combination of maximum load, worst-case meteorology, sixth-highest background, and maximum impact point yields an extremely conservative estimate of the ambient impact of the facility. Accordingly, even if the actual emission factor for an emitting device varies from the published value, such variability would not change the overall conclusions of the assessment because the device has been assessed at the maximum potential emissions.

The methodology used to estimate emissions from the emission units at the peak daily and average annual levels during the life of the quarry mine is presented in the attached emission calculations spreadsheets (see Appendix A). Each sheet contains the emission units pertaining to a general operation at the quarry. The calculation of process rates, determination of emission factors, and application of control efficiencies are discussed in the footnotes for each emission unit to fully explain how uncontrolled and controlled potential emissions are calculated.

3.2.2 Construction Emissions – Phase 1 Site Development Assumptions

Phase 1 Site Development activities are assumed to occur in two separate stages – a and b. Because the specific tasks to be completed daily during each stage will not be exactly comparable, the worst-case construction day for each stage has been chosen for the purpose of this analysis, including the two major stages: (a) site grading and utility lines installations, and (b) vertical building construction activities.

Phase 1a would involve the mass grading and utility installation at the aggregate processing area of the Project site. Once the mass grading and utility backbone infrastructure construction efforts are completed, the installations of the aggregate processing equipment, including the CTB, HMA, concrete batch plant, and fuel tank; and other vertical construction activities, such as the office buildings, shops, pond, water tank, etc. could begin during Phase 1b. Phase 1 is anticipated to take one year to complete.

Construction emissions of criteria pollutants would be produced by off-road construction-type equipment. Emission estimates have been prepared for the construction activities to evaluate the maximum daily and annual emissions. Beginning January 1, 2014, CARB requires all off-road equipment greater than 25 hp to comply with the CARB Off-road Diesel Vehicle Regulations. Based on these regulations, it is estimated that the construction equipment used during Phase 1 will meet a Tier 2 engine standard. All off-road construction equipment is required to meet the minimum application of USEPA Tier 2 engines, to install CARB-approved diesel particulate filter devices, and to apply best management practices to control and minimize emissions. These were calculated for the purpose of comparing with the County's emission thresholds, as well as the air dispersion modeling for this AQIA. Emission estimates were based on equipment ratings and load factors from the CARB's OFFROAD Model and emission factors from the Tier 2 emission standards. Diesel truck and worker vehicle emission rates were obtained from the EMFAC2017 model. An average two-way trip length of 40 miles is assumed. The emission calculations were based on the assumption that equipment would be operating on site up to eight hours per day, five days per week. The analysis used in this document is consistent with CARB guidance and methodology.

Potential air toxic emissions were not explicitly calculated for construction, except for diesel exhaust particulate and crystalline silica emissions, as construction occurs over a limited duration. Construction activities are of the same type but are of a much smaller magnitude than operational emissions, and construction emissions occur in the same area as operational emissions. Therefore, the air toxics impact of construction emissions were assumed to be much less than during routine operations and were not quantitatively analyzed.

3.2.3 Operational Emissions – Phase 2, Phase 3, and Phase 4 Assumptions

Operational emissions were calculated for both criteria and toxic air pollutants. Emissions are not constant for the life of the quarry because production rates and emission factors change over time. Production rates start small and ramp up over time to maximum production. Emission factors (emissions per mile traveled, gallon of fuel burned, or ton produced) typically become smaller with time as the result of required enhanced emission controls and regulatory programs.

3.2.3.1 *Quarry and Aggregate Processing Facility Process*

The quantity of emissions generated would depend on how much aggregate would be mined, the equipment used, the mine layout, and how far vehicles would travel to transport aggregate. This analysis assumes maximum allowable quantities would be removed and is based on the Project Applicant's estimated emissions for the equipment to be used.

To determine the worst-case emissions, the year 2021 emission factors were estimated to assume worst-case emissions for each year between 2021 and 2042 for Phase 2, and the year 2043 emission factors were estimated to assume worst-case emissions for each year between 2043 and 2110 for Phase 3. The emission calculations are based on the production rate, which applies to the stationary on-site equipment; emission factors for on-site equipment; emission factors and standards for off-road engines, which applies to the off-road equipment on site such as loaders and haul trucks; and EMFAC2017 for on-road vehicle engines. The on-site emissions estimates include emissions from on-road vehicles while on site (i.e., delivery trucks that bring materials to the Project site and delivery trucks that take aggregate and other materials away from the Project site).

Emission factors for on-site stationary production equipment were assumed constant over time. EMFAC2017 emission factors for 2021 and 2043 calendar years were assumed to be the worst-case emission rates for on-road vehicle emissions. EMFAC 2017 accounts for more stringent emission limits required by the CARB over time, newer vehicle engines, and USEPA regulations requiring diesel fuel to have no more than 15 ppm sulfur content (termed ultra-low sulfur diesel) beginning in 2007.

For off-road equipment engines, the CARB's off-road emission regulations promulgated in the California Code of Regulations (CCR) Title 13 Section 2423, Tables 1a and 1b of the CCR were used. Under Phase 2, all off-road construction equipment is required to meet the minimum application of USEPA Tier 2 engines, and install CARB-approved diesel particulate filter devices to control and minimize emissions. Under Phases 3 and 4, all off-road construction equipment is required to meet the minimum application of USEPA Tier 4 engines, and install CARB-approved diesel particulate filter devices to control and minimize emissions. Therefore, the off-road equipment emission factors were estimated to assume worst-case Tier 2 emissions for each year between 2021 and 2043 for Phase 2, and Tier 4 emissions between 2043 and 2110 for Phase 3, as well as Phase 4 – IDEFO and reclamation activities.

3.2.3.2 *Delivery Trucks and Employee Vehicle Trips*

Vehicle emissions during the Proposed Project's operation would be the result of vehicle emissions from aggregate product delivery, asphalt oil delivery, concrete delivery, fuel delivery, other heavy-duty trucks and employee vehicle trips. Vehicle emissions were calculated using the idling, driving, brake wear, and tire wear emission factors from EMFAC2017. For purposes of this analysis the two relevant vehicle classes are: light duty truck (gasoline) and T7 single construction (diesel). For Sand Import, Ready-Mix, and Aggregate related activities, all trucks are assumed to be T7 single construction (diesel). Employee trips are assumed to be light duty truck. The EMFAC emissions model does not include entrained dust that is emitted as vehicles travel on local streets, freeways, and other roads. To calculate entrained dust emissions, the USEPA's AP-42, Section 13.2.1 methodology for entrained dust emissions (USEPA 2011) was used.

3.2.3.3 *Bulldozing Overburden and Wind Erosions*

Emission rates for materials handling (including excavation, loading/unloading of material, and soil transports) and wind erosion of exposed active areas were obtained from the latest version of the AP-42 Section 11.9 (Western Surface Mining) Final Section (USEPA July 1998) and/or the SDAPCD Emission Inventory Program (SDAPCD 1999). The emission rates depend on the amount of materials being handled (in tons), the moisture content of the materials (in percent) and the silt content (in percent). For the Project, it was assumed that excavated dirt had the moisture content of 7.9 percent and silt content of 6.9 percent.

3.2.3.4 *Blasting*

The Proposed Project is capable of performing 50 blasts/year (i.e., one blast per week). However, the actual annual process rates for blasting would vary from year to year depending on mining needs. The annual quantity of blasts per year anticipated at the Project site is determined by the mine plan of operations. The maximum daily process rate for blasting during any year in the life of the mine is assumed to be one blast per day, the maximum amount of blasts that are possible in one day at the site. The hourly process rate is equal to one blast per hour, the maximum blasts possible in one hour. The annual process rate for the amount of ammonium nitrate fertilizer and fuel oil mixture (ANFO) used for blasting is calculated by employing the ANFO usage rate, 0.3125 ton of ANFO/drill hole, and multiplying it by the number of holes drilled/year. The maximum daily and hourly process rates are calculated similarly based on the maximum daily and hourly drilling rates.

Emission Factor

Uncontrolled PM, PM_{10}, and $PM_{2.5}$ emissions from blasting are calculated using the emission factor expression from AP-42, Table 11.9-1 (10/98) for blasting at western surface coal mines (Equation 1):

$$EF = (k)*(0.000014)*(A)^{1.5}$$

where:

EF = emission factor (lb/blast)
k = scaling factor (0.52 for PM_{10}, 0.03 for $PM_{2.5}$)
A = horizontal area of the blast (10,800 ft^2 maximum, calculated by multiplying the average number of holes drilled per blast (90 holes) by the approximate spacing (10 ft by 12 ft) of the drilling pattern.

Uncontrolled CO, NO_X, and SO_2 emissions from blasting are calculated using the emission factors from AP-42, Table 13.3-1 (02/80) for the detonation of ANFO.

Uncontrolled CO_2, CH_4, and N_2O emissions are calculated using the emission factors of 73.96 kg/MMBtu, $3*10^{-3}$ kg/MMBtu, and $6*10^{-4}$ kg/MMBtu, respectively, from 40 CFR 98, Tables C-1 and C-2 for distillate fuel oil No. 2. A diesel fuel oil to ammonium nitrate ratio of

9 percent and a diesel heating value of 19,300 Btu/pound of diesel fuel were used to express the CO_2, CH_4, and N_2O emission factors in terms of lbs/ton of ANFO.

The gaseous emission factors for blasting are presented in Table 10.

Table 10
GASEOUS EMISSION FACTORS FOR BLASTING

Regulated Pollutant	Emission Factor (lbs/tons of ANFO)
CO	67.00
NO_X	17.00
SO_2	2.00
CO_2	566.00
CH_4	0.02
N_2O	0.005

Control Efficiency

Control Efficiency estimated to be between 63% and 88% with the use of drill rotoclone or similar dust shroud device during the hole drillings. On-site watering also helps to control fugitive dust emissions during blasting. Besides standard California Occupational Safety and Health Administration operating practices for explosive material, other pollution control methods cannot be implemented during blasting.

3.2.3.5 *Drilling*

The annual, maximum daily, and hourly process rates for drilling blasting holes are calculated based on the number of blasts that are performed either annually, daily, and hourly and a drilling rate of 90 holes/blast.

Emission Factor

Uncontrolled PM_{10} and $PM_{2.5}$ emissions from drilling are calculated using the emission factor of 1.3 lb/hole, from AP-42, Table 11.9-4 (USEPA 1998) for total suspended particulates (TSP) from drilling of overburden rocks at western surface coal mines. The TSP emission factor is assumed to be applicable for PM. PM_{10} and $PM_{2.5}$ emissions from drilling are not listed in Table 11.9-4. PM_{10} emissions are assumed equal to 43 percent of PM emissions based on the ratio of PM_{10} to PM emissions for tertiary crushing of high moisture ore in AP-42, Table 11.24-2 (USEPA 08/82).

$PM_{2.5}$ emissions are estimated to be 18.5 percent of PM_{10} emissions based on the ratio of $PM_{2.5}$ to PM_{10} controlled emissions for tertiary crushing in AP-42, Table 11.19.2-2 (USEPA 08/04).

Control Efficiency

Potential fugitive particulate emissions from drilling may be controlled by the addition of water and by a dust collector to inhibit the escape of particulate emissions from the top of the hole during the drilling process. When calculating worst-case potential emissions from drilling, approximately 75 percent emission controls were applied. Based on the information from AP-42 5th Edition, Section 11.9, Table 11.9-1, control efficiency was estimated to be between 63 percent and 88 percent. A midpoint of range 75 percent was used.

3.2.3.6 *Storage Piles*

Aggregate will be transported from the quarry via one to two applicant-owned trucks and dumped into the primary surgepile. After the rocks are crushed via the Jaw Crusher, up to eight types of aggregate will be stockpiled as shown in Figure 4. Conveyors will move the materials from the stockpiles into the plant feeders. For the purpose of the analysis, the hourly, daily, and annual process rates for unloading rock materials to the storage piles are based on the mining rates. The hourly and maximum daily process rates are based on the maximum capacity of the equipment in the primary crushing plant (800 tons/hour) and continuous operation (800 tons/hour * 10 hours/day = 8,000 tons per day [tpd]).

Emission Factor

The uncontrolled PM_{10} emission factor of 6.5 pounds per acre per day was taken from the SDAPCD Engineering Emissions Inventory for Open Material Storage Piles (SDAPCD 1999). The areas of each storage pile were estimated based on the size of the storage piles space provided at the Otay Hills aggregate processing plant in Figure 4.

Control Efficiency

Emissions of particulate matter resulting from the unloading of rocks from conveyors to the storage piles would be controlled by water sprays. Based on the AP-42, Section 11.19.1, spray systems at transfer points and material handling operations are estimated to reduce emissions by 90 percent. For unprotected transfer points, such as loading the rocks to the dump hopper via loader, the Project design estimates a mean control efficiency value of 90 percent would be able to be achieved with the use of water sprays.

3.2.3.7 *Rock Crushing*

The annual process rate for the primary crusher is based on the maximum capacity of the crusher processing equipment as limited on an hourly basis (up to 800 tons/hour) and continuous operation (up to 800 tons/hour * 2,000 hour/year = 1,600,000 tons/year). The hourly and maximum daily process rates are based on the maximum capacity of the equipment in the primary crushing plant (800 tons/hour) and continuous operation (800 tons/hour * 10 hours/day = 8,000 tpd).

Emission Factor

Uncontrolled PM_{10} emissions from the primary Jaw Crusher and cone crusher are calculated using the emission factors of 0.0007 lb/ton and 0.0024 lb/ton, respectively, from AP-42, Table 11.24-2 (USEPA 08/82) for primary crushing. Uncontrolled $PM_{2.5}$ emissions are estimated to be 18.5 percent of PM_{10} emissions based on the ratio of $PM_{2.5}$ to PM_{10} controlled emissions for tertiary crushing in AP-42, Table 11.19.2-2 (08/04).

Control Efficiency

Emissions of particulate matter resulting from primary crushing are controlled indirectly by the jaw crushing area water spraying and baghouse filter system for the cone crushers. The primary crusher is designed in a conical shape such that crushing and particulate matter generation occurs near the bottom of the crusher and is emitted through the exit of the crusher. This point is controlled by the crushing area baghouse filter system. The baghouse filter system has a 95 percent capture efficiency (NIOSH 2012).

3.2.3.8 *Material Transfers via the Screens, Hoppers, and Conveyor Belts System*

The hourly, daily, and annual process rates for the material transfers from the primary crusher to the coarse rock stockpile and from the stockpile to the aggregate mix via conveyor belt systems are equal to the hourly, daily, and annual process rates for the primary crusher. The hourly and maximum daily process rates are based on the maximum capacity of the equipment in the primary crushing plant (800 tons/hour) and continuous operation (800 tons/hour * 10 hours/day = 8,000 tpd).

Emission Factor

The emission factors for screens, hoppers, and conveyors with water spray at transfer points are calculated using emission factors from the SDAPCD Engineering Emissions Inventory for Mineral Products Industry (SDAPCD 1999).

Control Efficiency

Emissions of particulate matter resulting from material transfer via screens, hopper, and conveyor belt systems would be controlled by water sprays. Based on AP-42, Section 11.19.1, spray systems at transfer points and material handling operations are estimated to reduce emissions by 50 to 75 percent.

3.2.3.9 *Cement-treated Base Plant*

Aggregate would be transported from the aggregate plant via one to two applicant-owned loaders. Up to four types of aggregate sizes would be stockpiled. One wheel loader would move the materials from the stockpiles into the CTB plant hoppers. Cement powder and water are mixed together with the aggregate in the pug mill to create the CTB materials. After these materials are mixed together, CTB materials are loaded into the haul trucks. For the purpose of

the analysis, the hourly, daily, and annual process rates for the CTB materials are based on the CTB processing rates of 400 tons per hour (tph), 4,000 tpd, and 320,000 tpy.

Emission Factor

Uncontrolled PM_{10} and $PM_{2.5}$ emission factors for the CTB plant were obtained from the AP-42, Section 11.12 Concrete Batching (USEPA 2006).

Control Efficiency

Emissions of particulate matter resulting from the cement silo would be controlled by baghouse filter system. Because a controlled emission factor is not provided in AP-42 Section 11.12, a control factor of 99 percent from baghouse was applied to the uncontrolled emission factor (NIOSH 2012). Other BACT options may include but not limited to the following measures obtained from the SDAPCD's New Sources Review requirements for BACT Guidance Document (SDAPCD 2011):

- Enclosed aggregate and cement weigh hoppers, screw conveyors and concrete batcher vented to a 99 percent efficient fabric filter baghouse.
- Flexible shroud which seals to the truck along with a water sprinkler system used when dry products are mixed.
- Shroud vented to 99 percent efficient fabric filter baghouse
- Water spray system for sand and aggregate transfer points.
- Sand and aggregate storage piles adequately wet to maintain a minimum moisture content of 4 percent by weight.
- Open areas maintained adequately wet to prevent fugitive emissions in excess of 20 percent opacity or Ringlemann 1.

3.2.3.10 *Hot Mix Asphalt Plant*

The HMA plant is comprised of the following pollution sources: the dryer, burner-blower, exhaust fan, dust collection system, asphalt cement heating and storage, mined aggregate materials, and recycled asphalt paving (RAP) materials. Asphalt is manufactured by mixing asphalt oil with well-dried heated rock.

The Applicant proposes to construct and operate an asphalt facility on the site. The proposed plant would be a HMA facility utilizing new technology equipment. The plant would be a 500 tph counter-flow drum mix equipment that would include the following: one recycle bin, two screens, two feed conveyors, one burner, one dryer drum, one slat conveyor, three silos, one control house, one motor control center, two asphalt oil storage tanks, one hot oil heater, and one dust collector. The total height of the facility would be approximately 75 feet. The silos, which look like grain silos on a farm, would be the tallest structures at the facility. The tall elevation is

needed to allow for a surge of material to be stored and for gravity to discharge it to the trucks. The next highest structure would be the baghouse and its ducting, which typically stands 45 feet high.

The asphalt process starts when selected gradations of aggregates are placed onto a conveyer belt. The materials collect on a conveyor and run through a single screen. This screen is in place to ensure that no large and/or foreign objects enter the process. Once through the screen, another conveyor transfers the materials to the drier drum, where they are then heated. Rotating drum technology would be used, which would result in decreased air emissions. With rotating drum technology, aggregates travel in the opposite direction as the heating flame. Older style parallel flow drums operated where the burner (heat source) and the aggregates were introduced at the same point, and the asphalt oil was injected part way through. The direct heat (flame) had far more contact with the oil and RAP, and this contact would create visible "blue smoke" emissions (a visible and odorous source historically associated with asphalt operations). With the counterflow drums, aggregates are first heated, then moved to an isolated zone where oil and RAP are introduced. This lack of direct heat contact reduces the amount of unwanted emissions.

RAP is introduced through the same process as virgin aggregates, except that it typically enters the drum through a midway point for mixing. Once all these items are adequately heated and mixed, at around 300 degrees, they are discharged onto a conveyor that then places them in the heated storage silos. Trucks stage under the silos and are filled via gravity from the silos above. A scale under the truck ensures that the requested load is delivered. The baghouse effectively pulls all the air through the drier drum and filters out the fine PM. This fine PM is then metered back into the system for use in the asphalt product. Other new systems include a blue smoke recovery unit that ducts the gasses either: (1) back from the silo loading and other transfer points to the burner, where it is then heated and destroyed; or (2) to a cartridge filter. This system uses a fan that creates a vacuum and then injects the flow into the burner's air stream or to a cartridge filter. Also at the truck load-out area, a negative draft system (a fan) is used to capture any vapors that occur during dumping. These vapors are then condensed, and the resulting product is burnt through the system or sent through a cartridge filter.

Asphalt oil would be delivered on an as-needed basis. Asphalt oil is typically delivered by tanker trailers to the facility. The unloading of this product happens within the tanks' containment area through hoses and heated pumps. Unlike other oils, asphalt oil does not have the ability to leach or travel. Once it is at ambient temperature, it solidifies.

Bio-diesel, soy oil, or a similar vegetable-based material would be used as the release agent for asphalt delivery trucks. This chemical allows the asphalt to release from the truck beds without sticking and helps prevent lumping. These materials would be sprayed into the truck beds prior to loading and would not require removal or disposal (they work similarly to putting butter on a cookie sheet). It would be received in totes (i.e., barrels) and stored near the application area.

The HMA would be loaded out via a silo surge system. This process works by positioning a truck under the load out area and placing the required mix amount into the truck bed via gravity feed. There would be no chemicals or loss of material during this procedure. Once full, the truck would drive out of the loading bay and proceeds to the job site.

Emission Factor

The process of loading and drying rock prior to mixing with the oil creates dust. To heat the rock and oil, natural gas is burned. Upon mixing asphaltic oil with the dry, hot rock, some of the oil vaporizes producing "blue smoke." The combustion of the gaseous fuels generates NO_X, VOC, CO, SO_X, PM_{10}, $PM_{2.5}$, and various TACs. Asphalt oils contain sulfur compounds and those oil with greater than 1% sulfur are accompanied by a gas with H_2S properties. Emissions from the asphalt plant were calculated using USEPA AP-42 emission factors (Section 11.1–Hot Mix Asphalt and Section 13.2.4–Aggregate Handling and Storage Piles). Blue smoke also contains small quantities of NO_X, VOC, H_2S, and CO. Blue smoke is actually tiny oil droplets that make up the blue haze that is typically associated with the production and handling of hot mix asphalt. It is the blue haze that carries much of the characteristic asphalt odor. Blue smoke is typically released from hot mix asphalt during handling at transfer points, silo filling and truck loading. Dust from the drying process would be controlled by a baghouse. The hourly, daily, and annual process rates for the HMA plant are based on the HMA processing rates of 500 tph, 5,000 tpd, and 600,000 tpy.

Control Efficiency

The proposed facility would be subject to the New Source Review permit system, which is designed to produce a net air quality improvement using BACT. Because the Proposed Project's emissions of VOC, NO_X, PM_{10}, and CO are estimated to exceed SDAPCD Rule 10 pounds per day at the highest permitted production rate, the Applicant has proposed to meet BACT requirements for the HMA processes. Methods to be employed include the following:

- Reducing PM_{10} emissions during aggregate transfer by using a conveyor system;
- Reducing PM_{10} emissions by using a baghouse for the aggregate drying operation (capable of a 99 percent removal);
- Reducing NO_X emissions from dryer by using a low NO_X burner to heat the aggregate; and
- Using a blue smoke control filter pack to control H_2S, PM_{10} and VOC emissions at the loadout silos.

Re-circulating the flue gasses into the combustion chamber could reduce NO_X, VOC, and CO. Because controlled emission factor is not provided in AP-42 Section 11.12, a control factor of 90 percent from a blue-smoke filter system was applied to the uncontrolled emission factor. Hot mix asphalt product must be transferred between various pieces of process equipment as well as loaded into on-highway haul trucks. Trucks entering and leaving the loading areas provide opportunity for minimal amounts of blue smoke to escape, especially as full trucks exit the loading area with hot asphalt. It is for this reason that most air districts recognize that no system can be 100 percent efficient. Therefore, it has become customary to assign 90 percent capture efficiency. Field observations of systems engineered by Blue Smoke Control indicate that a well-designed blue smoke capture system can operate at 90 percent capture efficiency (Sutton 2002).

3.2.3.11 *Concrete Batch Plant*

The Redi-Mix concrete batch plant would consist of a feed hopper, feed conveyor, batching plant, cement storage silos, and an operations building. A conveyor would feed the required aggregate into the aggregate storage bins. The cement and aggregates would then be weighed and added to the mixer truck with water and additives. Trucks would be loaded under the batcher in an area that would be ducted to a baghouse; this process controls dust during loading. Once loaded, the trucks would deliver concrete to various locations. The highest point for this plant would be the 75-foot-high cement silos.

Cement and cement supplement (fly ash) powders are used in the processing of concrete. These two materials would be brought on site via powder trailers. Once on site, these materials would be unloaded into dry silos by means of blowers that effectively would pump the materials through 4-inch lines. The entire transfer process would be fully enclosed; therefore, any dry material spillage is unlikely. For example, fly ash (in powder-like form) is transferred from the fly ash silo via enclosed screw conveyors to an enclosed conditioning system (pug mill) where water is added to create conditioned ash (in sludge cake-like form). The conditioned ash is then gravity transferred directly into a concrete batch plant and/or cement mixing truck. Similar process is used for cement powder in a separate cement silo. Once in the silos, the material would be transferred to the concrete batch plant through similar piping.

Cement additives are necessary for creating a number of useful reactions (e.g., delaying concrete setting) within the concrete. These additives would be stored on site in contained areas. When more additives are required, new totes would be delivered, or a tanker truck from the vendor would come and fill up the tanks. The entire process of filling these tanks would occur in a fully contained area. Once in the tanks, the additives would be automatically metered into the plant via a computerized batch control system.

Once a concrete mix design is selected in the computer, it would be added to the truck via a conveyor and boot that transfers the materials into the mixer trucks. This would be a direct transfer process and no materials would be spilled outside of the truck.

Total production for this facility would be determined by market demand. For the purpose of the analysis, the hourly, daily, and annual process rates for the concrete batch plant are based on the processing rates of 500 tph, 5,000 tpd, and 500,000 tpy.

Emission Factor

Uncontrolled PM_{10} and $PM_{2.5}$ emission factors for the concrete batch plant were obtained from the AP-42, Section 11.12 Concrete Batching (USEPA 2006).

Control Efficiency

Emissions of particulate matter resulting from the plant would be controlled by a baghouse filter system. Because a controlled emission factor is not provided in AP-42 Section 11.12, a control factor of 99 percent from the baghouse was applied to the uncontrolled emission factor

(NIOSH 2012). Other BACT options may include but not limited to the measures listed in Section 1.2.3.5, Applicant Design Features, which was obtained from the SDAPCD's New Sources Review requirements for BACT Guidance Document (SDAPCD 2011).

3.2.3.12 *Recycled Material*

RAP would be received at the processing facility. It would be ground up and reused in asphalt production. Similarly, some concrete would be ground up and used for recycled concrete slurry mix. All the remaining mixed concrete and asphalt would be ground together and sold as envirobase, (a completely recycled materials product) from the quarry site. The emission factors for truck unloading of fragmented stone to the feeder was obtained from the USEPA AP-42 5th Edition, Table 11.19.2-2. Final Section 11.19.2 updated August 2004. The PM_{10} and $PM_{2.5}$ emission factors for crushers, screens, hoppers, and conveyors are based on AP-42 5th Edition, Final Section 11.19.2 updated August 2004.

3.2.3.13 *Heavy Duty Equipment Operations*

On-site mobile equipment would include one bulldozer, one rock drill rig, five loaders, one road grader, two off-road haul trucks, three pick-up trucks, one service truck, one fuel/lube truck, and one water truck that would water roads and work areas for dust suppression. Exhaust emissions from the heavy-duty equipment were calculated using emission factors from the CARB OFFROAD2011 model, and emissions from on-road vehicles were calculated using emission factors from the CARB EMFAC2017 on-road mobile source emissions model.

3.2.3.14 *Unpaved Roads*

Emission rates for fugitive dust resulting from vehicle travel on unpaved roads were obtained from the latest version of the AP-42 5th Edition, Section 13.2.2 Unpaved Roads, revised November 2006. The emission rates from a vehicle depend on the vehicle's weight and the silt loading of the road. The SDAPCD default silt loading value of 13.6 grams per cubic meter was applied to this analysis. The vehicle weights are based on the average weight of unloaded and loaded weights for haul trucks and water trucks. The other vehicle weights are based on the estimated Gross Mean Vehicle Weight provided by the manufacturers. Please see Appendix A for details of these emission rate calculations.

3.2.3.15 *Fuel Storage Tank*

One diesel fuel storage tank is proposed at the Project site that would have the potential to emit VOC and HAP emissions. The annual, daily, and hourly process rates for the tanks are equal to the operating hours of the tank, or continuous operation (i.e. 8,760 hours/year, 24 hours/day, 1 hour/hour).

<u>Emission Factor</u>

Uncontrolled VOC and HAP emissions from the tanks were calculated using the USEPA's TANKS program for vertical fixed roof tanks. The following information was used in the

program to calculate the emissions from the tanks. The other tank parameters needed to execute the USEPA TANKS program are:

a. The tanks are not heated;

b. The paint characteristics include white color paint and good paint conditions;

c. The tank roofs are flat (cone roof type with a height of 0 ft and slope of 0 ft/ft);

d. The vacuum and pressure settings are 0 psig; and

e. The meteorological data corresponds to the Donovan meteorological monitoring station;

The USEPA TANKS output files showing the annual emission from the tanks are presented in Appendix B. HAP emissions includes hexane, benzene, toluene, ethylbenzene, 1,2,4-trimethylbenzene, and xylene. Hourly and daily emission rates were estimated from the annual emission values of the USEPA TANKS program by assuming continuous operation (24 hours/day and 8,760 hours/year).

Control Efficiency

Besides good operating practices, other pollution control methods are not implemented on the tanks.

3.2.3.16 *On-site Emissions – Toxics*

For diesel PM emissions from fuel combustion, it was assumed that all PM_{10} from diesel-fueled equipment was diesel exhaust. Emissions from fugitive sources were estimated for the following TACs: arsenic, beryllium, cadmium, crystalline silica, hexavalent chromium, chromium, coper, lead manganese, mercury, nickel, selenium, and zinc. TAC concentrations in fugitive sources are based on data available from the SDAPCD Engineering Emissions Inventory Program (SDAPCD 1999). The concentrations are multiplied by the fugitive PM_{10} emissions estimated following the methods described previously for each source or activity.

3.2.4 Air Dispersion Modeling for Criteria Pollutants

The models selected for the air quality assessment are discussed below.

3.2.4.1 *Model Selection*

The air dispersion modeling was performed for criteria pollutants using the USEPA AERMOD dispersion model, version 18081, based on the "Guideline on Air Quality Models" (40 Code of Federal Register [CFR], Part 51, Appendix W; April 15, 2003). AERMOD is a USEPA-, CARB- and SDAPCD-approved dispersion model for stationary and mobile sources. The AERMOD model is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. The AERMOD model requires hourly meteorological data consisting of wind

vector, wind speed, temperature, stability class, and mixing height. The selection of the AERMOD model is well-suited given (1) the general acceptance by the modeling community and regulatory agencies of its ability to provide reasonable results for large industrial complexes with multiple emission sources; (2) a consideration of the availability of annual sets of hourly meteorological data for use by AERMOD; and (3) the ability of the model to handle the various physical characteristics of the Proposed Project's emission sources.

The modeling was conducted for PM_{10}, $PM_{2.5}$, CO, and potential air toxics emissions (such as arsenic, beryllium, cadmium, hexavalent chromium, chromium, copper, lead, manganese, mercury, nickel, and selenium) for the Phases 2 and 3 operation activities (combined because of similar emissions). O_3 is a regional pollutant that is not modeled on a source-specific basis.

3.2.4.2 *Meteorological Data*

The three-year (2015 through 2017) surface and upper air meteorological data collected at the Otay Mesa-Donovan monitoring station were determined to be the most representative of the site conditions because of its location and elevation (DeSiena, pers. comm., 2015).

The data from the Donovan station was preprocessed by the SDAPCD with the AERMET meteorological processor. The AERMET processor not only uses the meteorological data but also land use and other surface parameters representative of the data collection site. In the AERMET processor, the model parameters were adjusted to be consistent with San Diego County seasons and local surface conditions (see Appendix C).

3.2.5 Background Ambient Air Concentrations

The data in Table 4 were used to develop an estimate of the background concentrations of pollutants in the Proposed Project area. The most local available data from the Chula Vista Monitoring Station were used when available. In general, to determine ambient air quality, the sixth-high value was used for short-term averages, and the annual value was used for long-term averages. The sixth-high value is reported by the CARB and is roughly equivalent to the 98th percentile value.

The maximum value is not used to represent background air quality because the maximum value is greatly influenced by atypical local conditions. This is clear from the data in Table 4, where there is a large year-to-year variability among the first-high values, but relatively less variability among the sixth-high values. The USEPA recognized this issue when it proposed the existing air quality standard for $PM_{2.5}$, using the 98th percentile for the 24-hour average standard. The reasoning offered by the USEPA was that the 98th percentile is more protective of public health (as it is more directly related to ambient particulate concentrations), is more stable, and is not overly influenced by isolated events or significant seasonal fluctuations (Federal Register, Volume 62, page 38652, July 18, 1997).

3.2.6 AERMOD Modeling Scenarios and Emissions

The Proposed Project mining plan is divided into two phases, Phases 2 and 3. Emissions do not significantly change among the two phases of operational activities. AERMOD and the processed 2015-2017 meteorological data were used to evaluate the impacts of operational activities. The year 2020 emissions are the largest for all pollutants, and thus were used in the modeling analysis. Assuming that emissions are constant for the life of the quarry after year 2020 would over-estimate emissions, because it is expected that over time, emissions would consistently decrease due to the implementation of more stringent emission standards. Emission rates used in the air dispersion modeling were estimated using the peak annual emission estimates divided by 365 days per year and 24 hours per day to conservatively assume a constant maximum exposure.

The AERMOD modeling parameters used for the assessment are shown in detail in Appendix D.

3.2.7 Blasting Modeling

The OBODM Model (USEPA Version 1.3.21) was used to assess ambient air quality impacts of gaseous pollutants from blasting. PM emissions from blasting were included in AERMOD modeling and, thus, are not included in OBODM modeling.

Blasting at the Project site would be conducted using an ANFO mixture. The USEPA's emission factors for ANFO explosives in AP-42, Chapter 13.3 (February 1980, Reformatted in January 1995) were used in estimating the blasting emissions. The Proposed Project's blasting activities were assumed to occur approximately 50 times per year (i.e., once a week for 50 weeks per year), and each blast would use a maximum of five tons of ANFO.

The OBODM Model was run for a meteorological condition of neutral stability and 5 meters per second wind speed. This neutral stability value was chosen because blasting would occur during the day, and atmospheric stability is more stable during the day. The OBODM Model has been run for various combinations of conditions, and the neutral, 5-meters-per-second wind condition yields the largest OBODM-modeled concentrations.

The OBODM modeling parameters used for the assessment are shown in detail in Appendix E.

3.2.8 Carbon Monoxide Hot Spot Modeling

On-road vehicles accessing and departing the site at the Otay Mesa Road at Alta Road intersection could create a local air quality impact at congested intersections. The potential for such an impact was evaluated with the CALINE4 Model, which accounts for the vehicles' turning movements at the intersections. The CALINE4 Model runs and input parameters are shown in Appendix F. CALINE4 was run for CO by using traffic conditions of calendar year 2020 when the maximum traffic would occur. CALINE4 calculates a one-hour average concentration, assuming worst-case hypothetical meteorology. The one-hour concentration was converted to an eight-hour concentration by multiplying the one-hour concentration times 0.7. For this report, the background CO concentrations for future years were obtained from the Chula Vista Monitoring Station, which is a more conservative approach.

The CALINE4 modeling parameters used for the assessment are shown in detail in Appendix F.

3.2.9 Health Risk Assessment

An HRA was performed for on-site operation emissions and offsite diesel truck travel up to one mile away. Construction activities would only occur for about one year. It was assumed that the chronic and cancer risks due to construction emissions of diesel PM would be minimal compared with risks from emissions during operations. Therefore, diesel exhaust particulate emissions associated with construction were not added to the other impacts in the HRA analysis.

The CARB-approved Hotspots Analysis and Reporting Program (HARP) Model (Version 2) was used to evaluate the potential health effects from TACs. HARP is a tool that assists with the programmatic requirements of the Air Toxics Hotspots Program. HARP is a single integrated software package that can be used by air quality management districts, facility operators, and other parties to promote statewide consistency, efficiency, and cost-effective development of facility and emission inventories and HRAs. HARP can also be used for other types of HRAs, including facility permitting.

3.2.10 HARP Modeling

Cancer, acute, and chronic health risks due to exposure to TACs were evaluated following the latest guidance outlined in the *Air Toxics Hot Spots Program Risk Assessment Guidelines* (OEHHA 2015). The CARB's HARP, Version 2, was used for HRA modeling. The HARP Risk Module predicts health impacts terms of cancer risk, hazard index acute (HIA), and hazard index chronic (HIC) by factoring AERMOD-predicted pollutant concentrations by pollutant-specific cancer potency values and chronic/acute Reference Exposure Levels (REL) obtained from OEHHA. The HARP average point-estimate was used in the analysis. For residential exposure, it is assumed that the person is exposed continuously to the maximum concentration for 30 years. For workers' health risks, it was assumed that a worker is exposed 250 days per year for 25 years.

HARP modeling was conducted for sensitive receptors near the Proposed Project area, including residents and representative locations of living communities. Nearby residents included in the HRA include the four residential homes located within approximately 2 miles of the Project site. The closest to the Project site are three residences located on Old Otay Mesa Road, directly west of the Project site and approximately midway between Harvest Road and Alta Road. Another house is located between the two prison facilities, accessed via a dirt road off of Alta Road before Alta Road reaches the County East Mesa Detention facility.

If a specific location was not included in the HRA modeling, the health risks were calculated by using the ratio of the TAC emissions and health risk values at other locations. For exposure of off-site workers near the Project boundary, an off-site worker exposure factor was applied to assess the carcinogenic risk. Others who might be on the property boundary of the Proposed Project would not be exposed for 25 years. The health risk assessment are shown in detail in Appendix G.

4.0 PROJECT IMPACT ANALYSIS

The Proposed Project would generate both construction (Phase 1 – Site Development) and operational (Phases 2 and 3 – Quarry and Aggregate Operations, and Phase 4 – Landfill and Reclamation) emissions. Construction emissions include emissions associated with the Phase 1 site development of the Project. Operational emissions include emissions associated with the Project, including truck traffic, during the course of the operation.

4.1 Conformance to the Regional Air Quality Strategy

4.1.1 Guidelines for the Determination of Significance

4.1.1.1 *Guideline*

Would the Proposed Project result in emissions that would conflict with or obstruct implementation of the applicable air quality plan?

4.1.1.2 *Issue Background*

The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for ozone. In addition, the SDAPCD relies on the SIP, which includes the SDAPCD's plans and control measures for attaining the ozone NAAQS. These plans accommodate emissions from all sources, including natural sources, through the implementation of control measures, where feasible, on stationary sources to attain the standards. Mobile sources are regulated by the USEPA and the CARB, and the emissions and reduction strategies related to mobile sources are considered in the RAQS and SIP.

The RAQS relies on information from the CARB and SANDAG, including projected growth in the County, mobile, area, and all other source emissions in order to project future emissions and determine from that the strategies necessary for the reduction of stationary source emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed by the cities and the County. As such, projects that propose development that is consistent with the growth anticipated by the local jurisdictions' general plans would be consistent with the RAQS. In the event that a project proposes development that is less dense than anticipated within the General Plan, the project would likewise be consistent with the RAQS. If a project proposes development that is greater than that anticipated in the County General Plan and SANDAG's growth projections upon which the RAQS is based, the project would be in conflict with the RAQS and SIP and might have a potentially significant impact on air quality. This situation would warrant further analysis to determine whether the Proposed Project and the surrounding projects exceed the growth projections used in the RAQS for the specific subregional area.

4.1.2 Significance of Impacts Prior to Mitigation

The current 2016 RAQS are based on projections for residential, commercial, industrial and recreational land uses contained in the County's General Plan, Otay Subregional Plan (OSP) and

SANDAG's San Diego Forward Regional Plan. In relation to the residential developments, the General Plan, OSP and Regional Plan project greater increases in population (i.e., number of residences and commercial square footages) at buildout than the Proposed Project. The Proposed Project does not include any residential development, therefore, Project implementation would result in fewer residential dwelling units and increased commercial and industrial development than assumed in the County General Plan and East Otay Mesa Specific Plan (EOMSP) for the East Otay Mesa Planning Area.

The Project impact footprint is primarily designated as Mixed Industrial and Rural Residential in the EOMSP. The Mixed Industrial designation applies to approximately 35 percent of the 105-acre Project impact footprint. This designation is intended to accommodate industrial plants that primarily engage in the manufacturing, treatment, warehousing or fabrication of materials or products. The land use designation for the remaining 65 percent of the Project impact footprint is Rural Residential (1 dwelling unit [du] per 20 acres). This designation is intended for very low-density residential use on land generally unsuitable for intensive development (consisting of steeper slopes).

The Project Applicant proposes to extract and process approximately 1,600,000 tons of material per year from the Project site. While potential conflicts with the RAQS may occur when a proposed Project seeks to change the land use designations, the effect of project-related emissions on anticipated population also is important. One of the main air pollution control strategies contained in the RAQS and the Regional Plan is the reduction of vehicle miles traveled (VMT) and the creation of more jobs-producing land uses to create a better jobs-to-housing balance and to reduce commute times and VMT. The Project is consistent with this goal since it would create job opportunities in an area in need of them. Furthermore, because aggregate supply would be consumed with or without the Proposed Project, the Project would not have an effect on overall demand. However, the Project has an effect on the distance that trucks delivering aggregates travel within the region. Project aggregate from the proposed facility would replace materials hauled from farther distances in the south San Diego County region. This rationale is supported by Dr. Peter Berk's — *Working Paper No. 994 – A Note on the Environmental Costs of Aggregate"* (Department of Agricultural and Resource Economics and Policy, Division of Agricultural and Natural Resources, University of California Berkley, January 2005).

SANDAG released their *San Diego Region Aggregate Supply Study* in January 2011, which presented information related to the average miles traveled, and associated GHG emissions produced, by vehicles delivering aggregate to project sites. The document explains that if the aggregate is transported by truck from current local mines to local project sites, the average distance between existing mines and construction sites in the region is 26 miles, which are used as VMT projections in the Regional Plan.

The aggregate produced by the Proposed Project would reduce demand on other aggregate operation currently supplying materials over a longer distance. A market analysis of construction aggregate in San Diego County conducted by EnviroMINE determined the average distance between existing mines and aggregate customers in the region is approximately 29 miles (EnviroMINE 2020). This same study concluded the average distance for aggregate deliveries

from the Proposed Project would be approximately 10 miles (see Appendix H). The difference in trip length between local and regional trips would help reduce emissions from truck trips (see Appendix I).

The Project does not include a residential component; therefore, no direct population growth would result from the Project as compared to what was accounted for in the development of the RAQS. Additionally, and as set forth above, the development would reduce regional VMT and the new employment opportunities resulting from Project would improve the current jobs-to-housing ratio by providing jobs to local residents. While the place of residence of the persons accepting employment provided by the proposed uses is uncertain, it is reasonable that a large percentage of these jobs would be filled by persons already living within the surrounding area; therefore, employment projections would remain consistent with regional growth projections and, therefore, consistent with the RAQS.

Emissions projections used to establish SDAPCD attainment objectives reflect adopted regional and local land use plans. Therefore, the emissions associated with the Proposed Project are within the amounts already accounted for in the RAQS, and no significant inconsistency with the RAQS would occur.

The Proposed Project would not result in a significant impact and the Project would be consistent with the RAQS and SIP.

4.1.3 Mitigation Measures and Design Considerations

Because the Project's activities, when added to the projected land use planning activities in the Otay Subregional Plan Area, would not exceed the regional growth projections included by SANDAG in the RAQS and SIP, no mitigation measures are required.

4.1.4 Conclusions

The Proposed Project would conform with the RAQS and SIP and would result in no impact.

4.2 Conformance to Federal and State Ambient Air Quality Standards

4.2.1 Construction Impacts

The Proposed Project construction activity would have the potential to adversely affect air quality through the generation of criteria pollutants (which includes fugitive dust emissions) and air toxic emissions. The short-term construction activities associated with the Proposed Project would be relatively small for the site development activities. Site development would involve four Project stage components: mass grading, backbone infrastructure (utility installation), vertical building and installation of equipment, and paving. Based on the County Guidelines (2007), construction impacts would be potentially significant if they exceed the quantitative screening-level thresholds for attainment/maintenance pollutants (NO_2, SO_2, and CO), and would result in a significant impact if they exceed the screening-level thresholds for nonattainment pollutants (ozone precursors and PM).

4.2.1.1 *Guidelines for the Determination of Significance*

Guideline

Would the Project construction result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Issue Background

For CEQA purposes, the County has adopted the SLT criteria in Table 7, which can be used as numeric metrics to determine whether the project's construction emissions would or would not result in a significant impact to air quality.

In the event that emissions exceed the screening-level thresholds in Table 5, dispersion modeling analysis would be required to demonstrate that the Project's construction impacts result in ground-level concentrations that are below the NAAQS and CAAQS, including appropriate background levels, or the Project construction impact would be deemed to result in a significant impact on the ambient air quality.

The ambient air quality standards reflect actual concentrations for each criteria pollutant. However, it is not economically feasible for individual CEQA projects to model actual concentrations for ozone based on emissions of its precursors due to the complex regional nature of ozone formation in the atmosphere. Therefore, exceedance of the SLTs for NO_X and VOCs would result in a significant impact unless mitigation is incorporated that would reduce the emissions of these pollutants below the level of the screening thresholds.

Ozone Precursors

- *Would the project result in emissions that exceed 250 pounds per day of NO_X, or 75 pounds per day of VOCs?*

<u>Carbon Monoxide</u>

- *Would the project result in emissions that exceed 550 pounds per day of CO?*

Particulate Matter

- *Would the project result in emissions of $PM_{2.5}$ that exceed 55 pounds per day?*
- *Would the project result in emissions of PM_{10} that exceed 100 pounds per day and increase the ambient PM_{10} concentration by 5.0 $\mu g/m^3$ or greater at any sensitive receptor locations (or maximum exposed individual [MEI], a term commonly used by CARB for sensitive receptors)?*

4.2.1.2 *Significance of Impacts Prior to Mitigation*

The construction activities associated with the Proposed Project would create diesel emissions and would generate dust emissions. During Phase 1 Site Development, construction of the aggregate processing plants, earthmoving vehicles and other diesel-powered construction equipment would generate exhaust emissions of CO, NO_X, VOC, SO_X, and particulate matter. PM_{10} would also be generated in the form of fugitive dust emissions from earth clearing and grading, and vehicle traffic on unpaved surfaces at the Project site and on access roads, thereby resulting in a potentially significant impact. Fugitive dust represents the particles of dust generated and introduced into the atmosphere that do not readily fall back to the ground due to their small size and mass (including PM_{10} and $PM_{2.5}$). Standard construction equipment includes dozers, loaders, scrapers, water truck, and delivery trucks. Emissions associated with construction of the Proposed Project were calculated using the USEPA's Tier 2 emission standards for off-road engines and CARB's OFFROAD equipment horsepower ratings and load factors.

The emission calculations were based on the assumption that equipment would be operating on site between 7:00 a.m. and 4:00 p.m. for an average of 8 hours per day, 5 days per week. It was assumed that the individual construction components would occur sequentially and each component would begin and be completed within the calendar year 2019. The equipment activities and emissions assumptions utilized in this analysis are conservative.

Rule 55 prohibits construction or demolition activity that would discharge into the atmosphere beyond the property line dust emissions of 10 percent opacity or greater for a period of three minutes in any 60-minute period. Rule 55 also requires the minimization of visible roadway dust as a result of active operations that generate fugitive dust. Although it was assumed that dust control measures would be implemented, to calculate the most conservative construction estimates, the application of water during construction activity was taken into consideration when applying a control efficiency on particulate emissions. Based on the SCAQMD's Fugitive Dust Control Measures Handbook, the control efficiency for watering every three hours via water truck yields an emission reduction of up to 75 percent PM_{10}. Other control measures such as the CARB off-road equipment regulations were accounted for in the construction emission calculations.

Table 11 presents a summary of the assumed equipment that would be involved in construction.

Table 11
CONSTRUCTION STAGES AND EQUIPMENT REQUIREMENTS

Off-road Equipment Type	Horsepower	Load Factor	Grading		Backbone Infrastructure		Building Construction		Paving	
			Pieces	Hours	Pieces	Hours	Pieces	Hours	Pieces	Hours
Aerial Lift	63	0.31	-	-	-	-	2	8	-	-
Air Compressors	78	0.48	-	-	-	-	2	8	-	-
Bore/Drill Rigs	221	0.50	-	-	1	8	-	-	-	-
Cement and Mortar Mixers	9	0.56	-	-	-	-	2	8	1	8
Cranes	231	0.29	-	-	-	-	2	4	-	-
Crawler Tractors	212	0.43	2	8	-	-	-	-	4	8
Dumpers/Tenders	16	0.38	4	4	-	-	-	-	2	4
Excavators	158	0.38	-	-	1	8	1	4	-	-
Forklifts	89	0.20	-	-	1	8	4	8	-	-
Generator Sets	84	0.74	-	-	-	-	3	8	-	-
Graders	187	0.41	2	8	-	-	-	-	1	8
Off-Highway Tractors	124	0.44	1	8	1	8	1	8	1	4
Off-Highway Trucks	402	0.38	4	8	2	8	-	-	1	4
Other Construction Equipment	172	0.42	2	4	2	4	2	4	2	4
Other General Industrial Equipment	88	0.34	1	4	1	4	4	4	-	-
Pavers	130	0.42	-	-	-	-	-	-	1	8
Paving Equipment	132	0.36	-	-	-	-	-	-	2	8
Plate Compactors	8	0.43	-	-	-	-	2	8	1	8
Pressure Washers	13	0.30	-	-	-	-	2	8	-	-
Pumps	84	0.74	-	-	-	-	1	8	-	-
Rollers	80	0.38	2	8	-	-	-	-	1	8
Rough Terrain Forklifts	100	0.40	-	-	-	-	2	8	-	-

Table 11 (cont.)
CONSTRUCTION STAGES AND EQUIPMENT REQUIREMENTS

Off-road Equipment Type	Horsepower	Load Factor	Grading		Backbone Infrastructure		Building Construction		Paving	
			Pieces	Hours	Pieces	Hours	Pieces	Hours	Pieces	Hours
Rubber Tired Dozers	247	0.40	4	4	-	-	-	-	1	4
Rubber Tired Loaders	203	0.36	2	8	-	-	-	-	1	8
Scrapers	367	0.48	4	8	-	-	-	-	-	-
Skid Steer Loaders	65	0.37	2	8	-	-	1	8	-	-
Sweepers/Scrubbers	64	0.46	-	-	-	-	1	4	-	-
Tractors/Loaders/Backhoes	97	0.37	2	8	2	8	2	8	-	-
Trenchers	78	0.50	-	-	1	8	-	-	-	-
Welders	46	0.45	-	-	-	-	8	8	-	-

The Project's plan is to use the same equipment for all four construction components. Tables 12 and 13 provide a summary of the emission estimates for the peak daily and annual construction activity for each component, respectively. Mass grading and the installation of backbone infrastructure would occur before, and would not overlap with, building construction and paving. As these activities would never occur on the same day during Phase 1, emissions related to these separate stages of construction are subtotaled in the tables below. As noted above, it was assumed that dust control measures (water application every three hours daily) would be employed to reduce emissions of fugitive dust during on-site construction activities. The resultant emissions from the construction activity are compared to the daily and annual emission thresholds to determine significance.

Table 12
ESTIMATED DAILY CONSTRUCTION EMISSIONS FOR EACH COMPONENT: PHASE 1 (2020)

Daily Emissions (lbs/day)						
Source	**VOC**	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Grading and Backbone Infrastructure						
Mass Grading	13.68	85.12	152.36	0.21	6.30	5.80
Backbone Infrastructure	3.70	29.56	36.98	0.07	1.82	1.67
Employees and Delivery Trucks	0.98	2.99	12.38	0.03	0.41	0.23
Subtotal	**18.36**	**117.67**	**201.71**	**0.31**	**8.52**	**7.70**
Daily Threshold	75	550	250	250	100	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Vertical Construction and Paving						
Building Construction	8.66	68.67	68.17	0.11	3.83	3.67
Paving	5.73	33.74	66.50	0.08	2.75	2.53
Employees and Delivery Trucks	0.98	2.99	12.38	0.03	0.41	0.23
Subtotal	**15.37**	**105.40**	**147.04**	**0.23**	**6.99**	**6.43**
Daily Threshold	75	550	250	250	100	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Note: Fugitive dust measures were applied to control PM_{10} and $PM_{2.5}$ dust emissions.
VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

Table 13 ESTIMATED ANNUAL CONSTRUCTION EMISSIONS FOR EACH COMPONENT: PHASE 1 (2020)						
Annual Emissions (tons/year)						
Source	**VOC**	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Grading and Backbone Infrastructure						
Mass Grading	0.14	0.85	1.52	0.00	0.06	0.06
Backbone Infrastructure	0.03	0.22	0.28	0.00	0.01	0.01
Employees and Delivery Trucks	0.13	0.39	1.61	0.00	0.05	0.03
Subtotal	**0.29**	**1.46**	**3.41**	**0.01**	**0.13**	**0.10**
Annual Threshold	13.7	100	40	40	15	10
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Vertical Construction and Paving						
Building Construction	0.11	0.89	0.89	0.00	0.05	0.05
Paving	0.03	0.17	0.33	0.00	0.01	0.01
Employees and Delivery Trucks	0.13	0.39	1.61	0.00	0.05	0.03
Subtotal	**0.27**	**1.45**	**2.83**	**0.01**	**0.12**	**0.09**
Annual Threshold	13.7	100	40	40	15	10
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Note: Fugitive dust measures were applied to control PM_{10} and $PM_{2.5}$ dust emissions.
VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

As shown in Tables 12 and 13, with the minimum application of the CARB's off-road equipment regulations, SDAPCD Rule 55 and best management practices to control emissions of fugitive dust discussed below, emissions of all criteria pollutants, including PM_{10}, and $PM_{2.5}$, would be below the daily thresholds during construction. The resultant maximum daily construction emissions would be applicable to the following four construction components in a sequential order: mass grading, backbone infrastructure, vertical building/installation, and paving. Therefore, construction of the Proposed Project would not conflict with the NAAQS or CAAQS, and the construction impact is less than significant.

4.2.1.3 *Control Measures and Design Considerations*

In order to estimate the construction impacts, standard construction emission control measures were applied to the Proposed Project. The control measures outlined below were included in the emission calculations in accordance with USEPA AP-42 methodology (USEPA 2013).

The SDAPCD's Rule 55 requires specific reasonably available control measures (RACM) to suppress fugitive dust emissions from any project's construction. The Project's applicant will use RACMs, including CARB's off-road equipment regulations and dust control measures outlined below, to reduce the amount of fugitive dust that would be generated during construction. CARB's Off-road regulations include requiring the off-road construction fleet to use any combination of diesel catalytic converters, diesel oxidation catalysts, and diesel particulate filters.

Control Measure AQ-1: Dust Controls

The following standard fugitive dust control measures required as part of grading are incorporated into the Project design and were taken into account when calculating construction emissions:

- All unpaved construction areas shall be sprinkled with water or other acceptable SDAPCD dust control agents a minimum of every three hours during dust-generating activities to reduce dust emissions. Additional watering or acceptable SDAPCD dust control agents shall be applied during dry weather or windy days until dust emissions are not visible.

- Maintain a minimum soil moisture to limit visible dust emissions to 20 percent opacity for earthmoving by using a movable sprinkler system or a water truck.

- Cover storage piles with tarp during high wind episodes.

- Enforce a 15-mile-per-hour speed limit on unpaved surfaces.

- Dirt and debris spilled onto paved street surfaces shall be swept up immediately to reduce resuspension of particulate matter caused by vehicle movement. Approach routes to construction sites shall be cleaned daily of construction-related dirt in dry weather.

Control Measure AQ-2: Fleet Modernization for On-road Trucks

- Idling of trucks shall be restricted to a maximum of five minutes when not in use.

- All on-road heavy-duty diesel trucks with a gross vehicle weight rating of 19,500 pounds or greater used on site or to transport materials to and from the site shall comply with CARB on-road regulation requirements, where available.

Control Measure AQ-3: Fleet Modernization for Off-road Equipment

- Construction equipment shall incorporate, where feasible based on market availability of the scheduled Tier engine standards, emissions control technology such as diesel catalytic converters, diesel oxidation catalysts, diesel particulate filters, and specific fuel economy standards.

- Idling shall be restricted to a maximum of five minutes when not in use.

- All off-road diesel-powered construction equipment greater than 50 hp shall meet CARB's mobile off-road Tier 2 regulation requirements.

4.2.1.4 *Conclusions*

With design considerations noted above, the results show that construction-related emissions would be below the level of significance. Therefore, the Project's criteria pollutants emissions during construction would constitute a less than significant impact on the ambient air quality.

4.2.2 Operational Impacts

For the air quality requirement affecting the operational emissions, the AQIA thresholds are applied to non-fugitive emissions sources such as the aggregate processing plant, CTB plant, HMA plant, concrete batch plant, and recycle material plant. For all other fugitive emission sources, such as the fugitive dust emission from the off-road equipment activities, on-site heavy duty equipment, on-site vehicle emissions, unpaved road dust, and employee vehicle and delivery truck trips, are compared to the CEQA SLTs.

When project emissions have the potential to approach or exceed the AQIA trigger level or SLTs, additional air quality modeling may need to be prepared to demonstrate that ground-level concentrations resulting from project emissions (with background levels) would be below federal and state ambient air quality standards listed in Table 2.

In the event that project emissions exceed these AQIA or CEQA SLTs, specific modeling would be required for VOC, NOx, CO, PM_{10}, and $PM_{2.5}$ to demonstrate that the project's ground-level concentrations, including appropriate background levels, do not exceed the NAAQS and CAAQS.

4.2.2.1 *Guidelines for the Determination of Significance*

Guidelines

- *Would the project operations result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?*

<u>Ozone Precursors</u>

- *Would the project result in emissions that exceed 250 pounds per day of NO_X, or 75 pounds per day of VOCs? Note: VOC is not applicable for non-fugitive emission sources.*

<u>Carbon Monoxide</u>

- *Would the project result in emissions of CO that exceed 550 pounds per day and that when totaled with the ambient concentrations would exceed a one-hour concentration of 20 ppm or an eight-hour average of 9 ppm?*

Particulate Matter

- *Would the project result in emissions of $PM_{2.5}$ that exceed 55 pounds per day? Note: $PM_{2.5}$ is not applicable for non-fugitive emission sources.*

- *Would the project result in emissions of PM_{10} that exceed 100 pounds per day and increase the ambient PM_{10} concentration by 5.0 $\mu g/m^3$ or greater at any sensitive receptor locations?*

Issue Background

The Proposed Project would result in increased emissions from the operation of the quarry and emissions from the operation of the aggregate processing plant, recycled material processing, cement-treated base plant, asphalt plant, and concrete batch plant. Direct emissions from Project-related on-site activities would result from operation of stationary equipment (aggregate processing equipment, fuel/oil storage tank, and plant production and storage equipment), off-road mobile equipment (exhaust and fugitive dust) at the quarry and aggregate processing plants, and fugitive dust from haul trucks while at the site.

A detailed discussion of the facility processes is provided in Section 3.2, *Methodology*. At full production, the Project proposes to produce up to 1.6 million tons of aggregate per year (approx. 800,000 cy per year), some of which would be used to produce asphalt, cement, concrete, and aggregate sales. In addition, up to approximately 420,000 tons[1] of recyclable materials per year would be processed on site. Table 14 presents a summary of the production data for each plant.

Table 14
ESTIMATED AGGREGATE MATERIAL PROCESS

Activity	High Production		
	Hourly (TPH)	Daily (TPD)	Annual (TPY)
Primary Processing Production	800	8,000	1,600,000
Secondary Processing Production	700	7,000	1,400,000
Recycled Material Production	300	3,000	420,000
Sand Screen Plant	200	2,000	200,000
Concrete Batch Plant	1,000	10,000	1,000,000
Cement-Treated Base Plant	400	4,000	320,000
Hot Mix Asphalt Plant	500	5,000	600,000

Source: Superior Ready Mix 2012
TPH = tons per hour, TPD = tons per day, and TPY = tons per year

Based on the County Guidelines (2007), operational impacts would be potentially significant if they exceed the quantitative screening-level thresholds for attainment/maintenance pollutants (NO_2, SO_2, and CO) and would result in a significant impact if they exceed the screening-level thresholds for nonattainment pollutants (ozone precursors and particulate matter).

[1] Throughout this document, "tons" refers to short tons, i.e., 2,000 pounds.

4.2.2.2 *Significance of Impacts Prior to Mitigation*

Operational emissions were calculated for both criteria and air toxic pollutants. The details of the calculations are shown in Appendix A. Tables 15 through 17 summarize the maximum daily operational emissions of criteria pollutants, and Tables 18 through 20 summarize the maximum annual emissions. Note that although the quarry operates at most 305 days per year, the annual emissions are not the product of the maximum daily emissions times 305 days per year. That is because the quarry normally does not operate at the maximum daily level. If the quarry operated at the maximum daily production rate of 8,000 tpd as shown in Tables 15 through 17, the annual production limit would be reached in 200 working days. For purposes of calculating emissions and analyzing short-term impacts in this AQIA, the worst-case maximum daily production level was used. For purposes of calculating emissions and analyzing annual impacts, the annual production rate was used.

As previously discussed in Section 1.2.3.2, *Phasing*, Phase 2 would occur between 2021 and 2042, and Phase 3 would occur between 2043 and 2110; with the exception of offsite vehicle trips, emissions are essentially identical for Phase 2 and Phase 3 of the quarry mining operation. This is because once the 1.6 million metric tons (MMT) per year extraction rate is reached, it was assumed that the maximum extraction rate would continue for the life of the quarry. There is no difference in maximum extraction rate between Phase 2 and Phase 3. The only difference between Phase 2 and Phase 3 is that the quarry mining would be moved from the hillside to below the natural grade surface (open pit) of the facility. The difference in vehicle emissions is a direct result of emission rates being reduced in 2043 when compared with those for 2021. The emissions shown in Tables 15 and 16 are the maximum of Phases 2 and 3 operations, respectively.

Criteria pollutants from Phases 2 and 3 would be associated with the following activities. For purposes of this AQIA, all emissions from the aggregate plant, cement-treated base plant, hot mix asphalt plant, concrete batch plant, and recycle material plant are considered to be non-fugitive emissions.

- Fugitive Dust from Excavation: Excavating aggregate materials during operations would generate fugitive dust. Frequent watering in the mining area would reduce fugitive dust emissions.

- On-site Vehicle Exhaust: Bulldozers, loaders, and personnel transport vehicles run on internal combustion engines. Internal combustion engines generate NO_X, VOC, CO, PM_{10}, and $PM_{2.5}$ from the combustion of gasoline or diesel fuel. Emissions in this category would include haul truck exhaust while on site but would not include emissions from the haul trucks once off site on public roadways.

- Dust from On-site Vehicle Activity: Various vehicles, such as excavating equipment and pick-up trucks, would traverse unpaved areas and generate dust. Factors affecting dust generation from these sources include: (1) trip length, (2) silt content of road surface material, (3) moisture content of surface, (4) weight of vehicle traveling the road, and (5) number of trips per day. Watering or soil stabilizers would control the dust.

- Delivery Trucks and Employee Vehicle Exhaust: The primary sources of emissions in this category would be: (1) trucks hauling aggregate and asphalt produced at the site to customers, (2) trucks hauling cement, cement supplements, diesel fuels, asphalt oil and other raw material to the site, and (3) employee vehicles.

- Aggregate Processing: Excavated rock would be trucked from the mining area to the processing plant. The stationary sources (i.e., SDAPCD permitted sources) associated primarily with aggregate processing facility are: a feeder hopper, primary Jaw Crusher, secondary cone crushers, screens, conveyors, stacking conveyors, and aggregate wash plant. At the processing plant, rock would be screened and crushed to size. The transfer points between haul trucks, crushing, and screening would generate dust. The screens, crushers, and conveyors associated with those devices would be controlled with a combination of wet material, complete enclosure and/or baghouse filters or similar devices.

- Storage Piles and Product Loading: After aggregate is processed, the material is segregated by product type and stockpiled for future shipment. Some fine material remains on the rock after processing. Wind blowing across the stockpiles releases these fine particles and creates dust. Dust is also released when the rock is picked up and loaded onto haul trucks.

- Cement-treated Base Plant: The cement-treated base plant would be capable of producing a maximum of 400 tph and would be limited to a maximum annual CTB production of 320,000 tons. The plant would generate PM_{10} and $PM_{2.5}$ dust. Emissions from these sources are minimized by use of water spray systems on the aggregate to reduce any fugitive dust generated.

- Hot Mix Asphalt Plant: The asphalt plant would be capable of producing a maximum of 500 tph of asphalt and would be limited to a maximum annual asphalt production of 600,000 tons. The hot mix asphalt plant would generate emissions from the following sources: the dryer, burner-blower, asphalt cement heating and storage, exhaust fan, blue smoke recovery unit, dust collection system, and RAP area. The hot mix asphalt plant would generate VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$ emissions.

- Concrete Batch Plant: The concrete batch plant would be capable of producing a maximum of 500 cy per hour and would be limited to a maximum annual concrete production of 500,000 cy. The concrete batch plant would generate PM_{10} and $PM_{2.5}$ dust. Emissions from these sources are minimized by use of water spray systems on the aggregate to reduce any fugitive dust generated.

SDAPCD Rules 20.2 and 1200 would be required for each permitted sources (i.e., Mining, portable generator, rock crushers, screens, cemented treated based plant, asphalt plant and silos, concrete batch plant and silos, recycled plant, and sand, rock and aggregate primary and secondary plants.).

Tables 15, 16 and 17 include peak daily emissions associated with the Proposed Project.

Table 15 TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 2 (2021 - 2042)						
Source	**Daily Emissions (pounds per day)**					
	VOC	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	9.03	4.97
Blasting and drilling	-	335.00	85.00	10.00	12.97	1.19
Portable sand screen	-	-	-	-	5.92	0.40
Wind erosion of exposed active areas	-	-	-	-	0.17	0.03
Delivery trucks and employee trips	0.95	4.57	9.10	0.02	0.17	0.12
Heavy duty equipment operations	5.05	30.51	50.26	0.09	2.18	2.02
Off-site Truck/Employee Vehicle Trips	12.14	32.62	185.68	0.49	5.99	3.35
Unpaved road dust	-	-	-	-	57.31	5.73
Fuel/oil storage tanks	0.02	-	-	-	-	-
TOTAL	18.15	402.70	330.05	10.60	93.16	19.90
CEQA Significance Thresholds	75	550	250	250	100	55
Exceedance?	**No**	**No**	**Yes**	**No**	**No**	**No**
Permitted Emission Sources						
Rock crushing	-	-	-	-	44.99	8.24
Storage piles	-	-	-	-	1.52	0.45
Cement treated base	-	-	-	-	1.62	0.37
Hot mix asphalt	89.83	138.67	26.90	3.43	19.42	11.01
Concrete batch plant	-	-	-	-	4.71	1.79
Recycled materials	-	-	-	-	7.28	1.04
TOTAL	89.83	138.67	26.90	3.43	79.53	22.89
AQIA Significance Thresholds	N/A	550	250	250	100	N/A
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**

VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

Table 16 TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 3 (2043 - 2110)						
Source	**Daily Emissions (pounds per day)**					
	VOC	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	9.03	4.97
Blasting and drilling	-	335.00	85.00	10.00	12.97	1.19
Portable sand screen	-	-	-	-	5.92	0.40
Wind erosion of exposed active areas	-	-	-	-	0.17	0.03
Delivery trucks and employee trips	0.95	4.57	9.10	0.02	0.17	0.12
Heavy duty equipment operations	5.05	30.51	50.26	0.09	2.18	2.02
Off-site Truck/Employee Vehicle Trips	1.04	12.75	96.61	0.36	3.19	0.68
Unpaved road dust	-	-	-	-	57.31	5.73
Fuel/oil storage tanks	0.02	-	-	-	-	-
TOTAL	7.06	382.83	240.97	10.47	90.36	17.23
CEQA Significance Thresholds	75	550	250	250	100	55
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**

Table 16 (cont.) TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 3 (2043 - 2110)						
Source	**Daily Emissions (pounds per day)**					
	VOC	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Permitted Emission Sources						
Rock crushing	-	-	-	-	44.99	8.24
Storage piles	-	-	-	-	1.52	0.45
Cement treated base	-	-	-	-	1.62	0.37
Hot mix asphalt	89.83	138.67	26.90	3.43	19.42	11.01
Concrete batch plant	-	-	-	-	4.71	1.79
Recycled materials	-	-	-	-	7.28	1.04
TOTAL	89.83	138.67	26.90	3.43	79.53	22.89
AQIA Significance Thresholds	N/A	550	250	250	100	N/A
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**

VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

Table 17 TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 4 (POST 2110)						
Source	**Daily Emissions (pounds per day)**					
	VOC	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
On-site Reclamation	-	-	-	-	25.95	2.66
On-site Bulldozing and overburden	-	-	-	-	9.03	4.97
On-site Delivery trucks and employee trips	0.41	1.70	4.85	0.01	0.13	0.09
On-site Unpaved road dusts	-	-	-	-	4.51	0.45
Heavy duty equipment operations	5.05	30.51	50.26	0.09	2.18	2.02
Off-site Trucks and Employee Trips	0.38	3.62	23.22	0.09	0.79	0.17
TOTAL	**5.84**	**35.83**	**78.34**	**0.19**	**42.59**	**10.35**
CEQA Significant Thresholds	75	550	250	250	100	55
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**

VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

As shown in Table 15, the peak daily operational NO_X emissions during Phase 2 would exceed the daily threshold and, therefore, would result in a potentially significant impact under CEQA. As shown in Tables 15 through 17, emissions of all other criteria pollutants would be below the daily thresholds for all operational phases.

In addition to the daily emission analysis, the County also requires the evaluation of the annual operational emissions. For the purpose of this annual analysis, the operational activities are assumed to operate at the maximum annual production rate presented in Table 14. As previously mentioned, the operational component activities for each phase would occur simultaneously. The results of the emission calculations, in tons/year, are summarized in Tables 18 through 20, along with emissions associated with fugitive dust sources and a comparison with the County significance criteria.

Table 18 TOTAL ANNUAL OPERATIONAL EMISSIONS FOR PHASE 2 (2021 - 2042)						
Source	**Annual Emissions (tons per year)**					
	VOC	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	0.23	0.12
Blasting and drilling	-	8.38	2.13	0.25	0.58	0.08
Portable sand screen					0.59	0.04
Wind erosion of exposed active areas	-	-	-	-	0.17	0.005
Delivery trucks and employee trips	0.09	0.43	0.83	0.00	0.02	0.01
Heavy-duty equipment operations	0.40	2.70	3.95	0.01	0.16	0.15
Off-site Truck/Employee Vehicle Trips	1.58	4.24	24.14	0.06	0.78	0.44
Unpaved road dust	-	-	-	-	4.50	0.45
Fuel/oil storage tanks	0.00	-	-	-	-	-
Total	**2.07**	**15.74**	**31.04**	**0.32**	**7.03**	**1.30**
CEQA Significant Thresholds	13.7	100	40	40	15	10
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**
Permitted Emission Sources						
Rock crushing	-	-	-	-	4.50	0.82
Storage piles	-	-	-	-	0.28	0.08
Cement treated base	-	-	-	-	0.06	0.01
Hot mix asphalt	2.00	7.92	1.61	0.20	0.60	0.42
Concrete batch plant	-	-	-	-	0.02	0.01
Recycled materials	-	-	-	-	1.11	0.16
Total	**2.00**	**7.92**	**1.61**	**0.20**	**6.57**	**1.51**
AQIA Significant Thresholds	N/A	100	40	40	15	10
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**

VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

Table 19 TOTAL ANNUAL OPERATIONAL EMISSIONS FOR PHASE 3 (2043 - 2110)						
Source	**Annual Emissions (tons per year)**					
	VOC	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	0.23	0.12
Blasting and drilling	-	8.38	2.13	0.25	0.58	0.08
Portable sand screen					0.59	0.04
Wind erosion of exposed active areas	-	-	-	-	0.17	0.005
Delivery trucks and employee trips	0.09	0.43	0.83	0.00	0.02	0.01
Heavy-duty equipment operations	0.40	2.70	3.95	0.01	0.16	0.15
Off-site Truck/Employee Vehicle Trips	0.14	1.66	12.56	0.05	0.42	0.09
Unpaved road dust	-	-	-	-	4.50	0.45
Fuel/oil storage tanks	0.00	-	-	-	-	-
Total	**0.63**	**13.16**	**19.46**	**0.31**	**6.67**	**0.95**
CEQA Significant Thresholds	13.7	100	40	40	15	10
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**
Permitted Emission Sources						
Rock crushing	-	-	-	-	4.50	0.82
Storage piles	-	-	-	-	0.28	0.08
Cement treated base	-	-	-	-	0.06	0.01
Hot mix asphalt	2.00	7.92	1.61	0.20	0.60	0.42
Concrete batch plant	-	-	-	-	0.02	0.01
Recycled materials	-	-	-	-	1.11	0.16
Subtotal	**2.00**	**7.92**	**1.61**	**0.20**	**6.57**	**1.51**
AQIA Significant Thresholds	N/A	100	40	40	15	10
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**

VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

Table 20 TOTAL ANNUAL OPERATIONAL EMISSIONS FOR PHASE 4 (POST 2110)						
Source	**Annual Emissions (tons per year)**					
	VOC	**CO**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
On-site Reclamation	-	-	-	-	2.37	0.24
On-site Bulldozing and overburden	-	-	-	-	0.23	0.12
On-site Delivery trucks and employee trips	0.04	0.16	0.44	0.00	0.01	0.01
On-site Unpaved road dust	-	-	-	-	0.66	0.07
Heavy-duty equipment operations	0.40	2.70	3.95	0.01	0.16	0.15
Off-Site Trucks and Employee Trips	0.05	0.47	3.02	0.01	0.10	0.02
TOTAL PHASE 4	**0.49**	**3.34**	**7.41**	**0.02**	**3.55**	**0.61**
CEQA Significant Thresholds	13.7	100	40	40	15	10
Exceedance?	**No**	**No**	**No**	**No**	**No**	**No**

VOC = volatile organic compound; CO = carbon monoxide; NO_X = nitrogen oxides; SO_X = sulfur oxides; PM_{10} = particulate matter 10 microns or less in diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter

The resultant annual emissions would be below the annual threshold for each of the three operational phases and, therefore, would be less than significant under CEQA for all criteria pollutants.

Blasting Impacts

In order to assess the potential impacts on ambient air quality of blasting activities, the USEPA-approved OBODM model was used to assess the impact of gases released during the blast. The OBODM model uses an assumed worst-case meteorological hour to calculate the one-hour average impact of gaseous pollutants created by the explosives, i.e., CO, NO_2, and SO_2. Particulate emissions associated with blasting (i.e., dust created by physical agitation of soil and rock and combustion-related particulates) are already included in the on-site Project activities discussed in the preceding sections of this AQIA. Particulate impacts from blasting were modeled with the AERMOD model as discussed previously.

The OBODM model was run for a meteorological condition of neutral stability and 5 meters per second wind speed. This neutral stability value was chosen because blasting would occur only during the day and atmospheric stability more stable than neutral does not occur during the day. (Turner 1994). In addition, it has been found that neutral, low wind speed conditions tend to yield the largest ambient impacts. The OBODM model has been run for various combinations of unstable and neutral conditions at various wind speeds, and the neutral, 5 meters per second condition yields the largest OBODM modeled concentrations. The OBODM Model results are contained in Appendix E.

Blasting at the site would be conducted using an ANFO mixture. The USEPA has published emission factors for ANFO explosives in AP-42, Chapter 13.3 (USEPA 1980). The emission factors are 67 pounds CO per ton ANFO, 17 pounds NO_X (assumed NO_2) per ton ANFO, and two pounds SO_2 per ton ANFO exploded. The Proposed Project's blasting activities would occur approximately four times per month and each blast will use five tons of ANFO. (The value of

four blasts per month is the maximum; on average there will be 50 blasts per year maximum). The maximum one-hour average ambient air quality impacts of the blasting are as shown in Table 21. Also shown in Table 21 are the impacts for AAQS averaging times. The standard CAPCOA persistence factors were used to convert one-hour averages to standard averaging times. The 1-hour average was multiplied by 0.9 to convert it to 3-hour, 0.7 for eight-hour, 0.4 for 24-hour, and 0.1 for annual averages (CAPCOA 1989). The blasting impacts were added to the background concentrations in order to compare the total impact to standards. The blasting impacts were not added to the point of maximum impacts (PMIs) of operational activities because they occur at different locations. The OBODM model indicates that the maximum impact point for blasting gases is about 800 meters (2,600 feet) downwind of the blast location, not at the Proposed Project's property boundary as occurs for other emissions such as PM_{10}.

Table 21
MAXIMUM IMPACT OF BLASTING

Pollutant	Maximum 1-hour Impact (µg/m^3)	AAQS Averaging Time	Maximum Blasting Impact for AAQS Averaging Time (µg/m^3)	Background (µg/m^3)	Total of Background, Blasting Maximum, and PMI Maximum (µg/m^3)	Most Stringent AAQS (µg/m^3)	Exceeds CAAQS?
CO	92	1-hour	92	3,565	3,657	23,000	**No**
		8-hour	64	2,489	2,553	10,000	**No**
NO_2	23	1-hour	23	15	38	339	**No**
		Annual	2	3	5	57	**No**
SO_2	3	1-hour	3	21	24	196	**No**
		24-hour	1	11	12	105	**No**
		Annual	1	8	9	80	**No**

Note: OBODM dispersion model output sheets and USEPA AP-42 emission factors are provided in Appendix E.
µg/m^3 = micrograms per cubic meter

The OBODM model evaluates the potential impact of gases released to the atmosphere as the result of the blast. There is also the possibility that some gases could be trapped below the surface and migrate through cracks or fissures below ground. Carefully designed blasting patterns would minimize the potential for trapped gases. In addition, the geology of the proposed quarry is not conducive to such migration. Finally, the blasting would occur at a considerable distance from any residences or other structures that could be impacted. Thus, there would not be potential adverse effects from potential underground migration of blasting gases.

In addition to the CO, NO_2, and SO_2 emissions identified by the USEPA in AP-42, Chapter 13.3, there is a possibility that some of the ANFO would not be completely combusted in the blast. However, neither ammonium nitrate nor fuel oil are listed as air toxics in California or by the USEPA. Furthermore, carefully designed blasts would consume all of the ANFO. Therefore, potential adverse impacts related to blasting combustion are considered to be less than significant.

Traffic-related CO Concentrations (CO Hot Spot Analysis)

Project-generated vehicle trips would increase traffic volumes at roadway intersections in the Project site vicinity once the Project became operational. During periods of near-calm winds, heavily congested intersections can produce elevated levels of CO that could potentially impact nearby sensitive receptors. CO transport is extremely limited and disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors such as residents, school children, hospital patients, and the elderly. Therefore, a CO "hot spot" analysis was conducted to determine whether the Proposed Project would contribute to a violation of the ambient air quality standards for CO at any local intersections.

The *Transportation Project-level Carbon Monoxide Protocol* (Caltrans 1998) was followed to determine whether a CO hot spot is likely to form due to Project-generated traffic. In accordance with the Protocol, CO hot spots are typically evaluated when (a) the level of service (LOS) of an intersection decreases to a LOS E or worse; (b) signalization and/or channelization is added to an intersection; and (c) sensitive receptors such as residences, commercial developments, schools, hospitals, etc., are located in the vicinity of the affected intersection. In general, CO "hot spots" would be anticipated near affected intersections because the operation of vehicles in the vicinity of congested intersections involves vehicle stopping and idling for extended periods.

To verify that the Project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO "hot spots" was conducted. The Traffic Impact Study (Darnell & Associates 2017) evaluated whether or not there would be a decrease in the LOS at the roadways and/or intersections affected by the Project. The potential for CO "hot spots" was evaluated based on the results of the Traffic Impact Study.

The Traffic Impact Study evaluated 10 intersections, 5 roadway segments, and 1 freeway segment in the Project vicinity to evaluate the LOS for Existing, Opening Year 2019, and Cumulative Year 2050. CO "hot spots" would be possible at intersections because intersection traffic is subject to congestion and idling. Based on the traffic analysis, the Project would result in a direct significant impact at the Otay Mesa Road and Alta Road intersection during the AM peak hour under the Opening Year 2019 Plus Project Scenario.

All other intersections operate at an acceptable LOS D or better. California Line Source Dispersion Model (Version 4) (CALINE4) modeling was conducted for the intersection with poor LOS ratings identified above. Modeling was conducted based on the guidance in Appendix F of the Protocol to calculate maximum predicted one-hour CO concentrations. As recommended in the Protocol, predicted one-hour CO concentrations were then scaled to evaluate maximum predicted eight-hour CO concentrations using the recommended scaling factor of 0.7 for urban locations.

Traffic volume inputs to the CALINE4 model were obtained from the Traffic Impact Study. As recommended in the Protocol, receptors were located at sites that were approximately 3 meters from the mixing zone, and at a height of 1.8 meters. For conservative purposes, emission factors from the EMFAC2017 model for the year 2020 were used in the CALINE4 model.

In accordance with the Protocol, it is also necessary to estimate future background CO concentrations in the Project vicinity to determine the potential impact plus background and evaluate the potential for CO "hot spots" caused by the Project. The existing maximum one-hour and eight-hour background concentrations of CO that was measured at the Chula Vista monitoring station of 1.6 and 1.3 ppm were used to represent future maximum background one-hour and eight-hour CO concentrations, respectively. CO concentrations in the future may be lower as inspection and maintenance programs and more stringent emission controls are placed on vehicles.

The CALINE4 model outputs are provided in Appendix F of this report. Table 22 presents a summary of the predicted CO concentrations (impact plus background) for the intersection evaluated for the Opening Year Plus Project traffic for the affected intersection. As shown in Table 22, the predicted CO concentrations would be substantially below the one-hour and eight-hour NAAQS and CAAQS for CO shown in Table 2 of this report. Therefore, no exceedances of the CO standard are predicted, and the Project would not cause or contribute to a violation of the air quality standard. As shown in Table 22, all impacts, when added to background CO concentrations, would be below the CAAQS (and therefore, NAAQS) for both the one-hour and eight-hour averaging periods; therefore, the Project would not result in a significant impact for CO.

Table 22
CO "HOT SPOTS" MODELING RESULTS –
HORIZON YEAR CONDITIONS WITH PROJECT (2020)

Intersection	Maximum 1-hour CO Concentration Plus Background (ppm)		Maximum 8-hour CO Concentration Plus Background (ppm)
	a.m.	p.m.	
Otay Mesa Road/Alta Road	2.2	2.1	1.7
AAQS Standard	20	20	9
Exceedance?	**No**	**No**	**No**

CALINE4 dispersion model output sheets and EMFAC2011 emission factors are provided in Appendix F.
Peak hour traffic volumes are based on the Traffic Impact Study prepared for the Project by Darnell & Associates (2017).
Highest three years APCD (2014-2016) 1-hour ambient background concentration (1.6 ppm) + 2020 modeled CO 1-hour contribution.
Highest three years APCD 8-hour ambient background concentration (1.3 ppm) + 2020 modeled CO 8-hour contribution.
CO = carbon monoxide; ppm = parts per million

4.2.2.3 *Control Measures and Design Considerations*

The Proposed Project would employ the CARB off-road equipment regulation and dust control measures specified in Section 1.2.3.5 above. In accordance with CARB's requirements, the Project would require the on-road trucks to meet the CARB Truck and Bus regulations and off-road equipment fleet to use CARB off-road equipment regulation.

The standard fugitive dust control measures listed in Section 4.2.1.3 are required as part of aggregate mining operation are incorporated into the Project design and were taken into account when calculating construction emissions.

4.2.2.4 *Conclusions*

As shown in Table 15, the peak daily operational NO_X emissions during Phase 2 would exceed the daily threshold and, therefore, would result in a significant impact under CEQA. The majority of the Phase 2 emissions are a direct result of off-site truck trips. As described previously, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. An independent market analysis has estimated that the total distance from the other distant quarries to south is approximately 29 miles (see Appendix H). The average distance for the Proposed Project site is 10 miles. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a significant and unavoidable operational impact to related to emissions of NO_X during Phase 2. Emissions of all other criteria pollutants would be below the screening-level and significant thresholds for Project operations and, therefore, would be less than significant under CEQA.

4.3 <u>Cumulatively Considerable Net Increase of Criteria Pollutants</u>

4.3.1 Construction Impacts

4.3.1.1 *Guidelines for the Determination of Significance*

Guidelines

- *Would the project construction result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?*
- *Would the project result in emissions that exceed 250 pounds per day of NO_X, or 75 pounds per day of VOCs?*
- *Would the project result in emissions of $PM_{2.5}$ that exceed 55 pounds per day?*

Issue Background

Based on the County Guidelines (2007), a project would result in a cumulatively significant impact if the project results in a significant contribution to the cumulative increase in pollutants for which the SDAB is listed as nonattainment for the CAAQS and NAAQS. As discussed in Section 2.0, the SDAB is considered a nonattainment area for the NAAQS for ozone and the CAAQS for ozone, PM_{10}, and $PM_{2.5}$.

Cumulatively considerable net increases during the construction phase would typically happen if two or more projects near each other are simultaneously constructing projects. A project that has a significant direct impact on air quality with regard to emissions of CO, PM_{10}, $PM_{2.5}$, NO_X, or VOCs during construction would also have a significant cumulatively considerable net increase. In the event direct impacts from a proposed project are less than significant, a project may still have a cumulatively considerable impact on air quality if the emissions of concern from the proposed project, in combination with the emissions of concern from other proposed or

reasonably foreseeable future projects within a proximity relevant to the pollutants of concern, are in excess of the guidelines identified in Section 3.0.

4.3.1.2 *Significance of Impacts Prior to Mitigation*

Although the environmental effects of an individual project may not be significant when that project is considered independently, the combined effects of several projects may be significant when considered collectively. Section 15130(a) of the State CEQA Guidelines requires that an EIR address significant cumulative impacts. According to this section of CEQA, the discussion of cumulative impacts "...need not provide as great a detail as is provided for the effects attributable to the project alone. The discussion should be guided by the standards of practicality and reasonableness." The discussion should also focus only on significant effects resulting from the project's incremental effects and the effects of other projects. If the environmental conditions would essentially be the same with or without the proposed project's contribution, then it may be concluded that the effect is not significant. According to Section 15130(a)(1), "an EIR should not discuss impacts which do not result in part from the project evaluated in the EIR." The basis for the analysis of cumulative impacts is dependent on the nature of the issue.

Cumulative impact analysis may be conducted and presented by either of two methods: (1) a list of past, present, and probable activities producing related or cumulative impacts; or (2) a summary of projections contained in an adopted general plan or related planning document. The summary approach was utilized for the near-term analysis presented below. The cumulative impacts of past, present, and probable future projects that have occurred or will likely occur in the Project site's proximity (known as "cumulative projects") are addressed below.

As discussed in Section 4.2.1.4, Project emissions of VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$ during construction would be below the screening-level thresholds and would result in a less than significant air quality impact. Based on the information from Table 5-1 of the Draft Environmental Impact Report/Draft Environmental Impact Statement for the Project, there are 71 cumulative projects expected to contribute to the overall growth in the OSP area.

The SDAB has been designated as a federal nonattainment area for O_3, and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. PM_{10} and $PM_{2.5}$ emissions associated with construction generally result in near-field impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the SDAB. As discussed above, the emissions of all criteria pollutants, including PM_{10} and $PM_{2.5}$, would be well below the significance levels. Construction would be temporary and consistent with the size and scale of the Proposed Project. Construction activities required for the implementation of the Proposed Project would not result in significant impacts to air quality. While it is likely that construction associated with several other projects would occur in the general vicinity of the Proposed Project, the Project's contribution to the net cumulative emissions would be minimal due to construction practices that would keep emissions well below the significance thresholds for these pollutants. Therefore, the Project's contribution to cumulative construction emissions would be less than significant.

4.3.1.3 *Mitigation Measures and Design Considerations*

No mitigation measure is required. Control measures for construction are discussed in Section 4.2.1.3. As discussed in that section, implementation of standard construction mitigation measures controlling fugitive dust emissions would minimize the Project's contribution to cumulative air quality impacts from construction activities.

4.3.1.4 *Conclusions*

It is anticipated that the construction of the Proposed Project would not result in a cumulatively considerable net increase in emissions of CO, VOC, NO_X, PM_{10} and $PM_{2.5}$. Impacts would be less than significant.

4.3.2 <u>Operational Impacts</u>

4.3.2.1 *Guidelines for the Determination of Significance*

Guidelines

- *Would the project conform to the RAQS and/or have a significant direct impact on air quality with regard to operational emissions of PM_{10}, $PM_{2.5}$, NO_X, and/or VOCs, which would also have a significant cumulatively considerable net increase in these emissions?*

- *Would the project cause road intersections or roadway segments to operate at or below LOS E and create a CO hot spot that would result in a cumulatively considerable net increase of CO?*

Issue Background

As discussed above, based on the County Guidelines (2007), a project would result in a cumulatively significant impact if the project results in a significant contribution to the cumulative increase in NO_X, VOCs, PM_{10}, and $PM_{2.5}$. In accordance with the guidelines, a project that does not conform to the RAQS and/or has a significant direct impact on air quality with regard to operational emissions of nonattainment pollutants would also have a cumulatively considerable net increase.

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

4.3.2.2 *Significance of Impacts Prior to Mitigation*

As stated in Section 4.1.2, the RAQS relies on SANDAG's growth projections based on population, vehicle trends, and land use plans developed by the cities and by the County as part of the development of their general plans. As such, projects that propose quarry that is consistent with the growth anticipated by local plans would be consistent with the RAQS. Because the Proposed Project is located within San Diego County, the transportation required to move the aggregate would largely be affected by regional truck trips. There are approximately nine active quarry mines located within San Diego County; a number of these facilities will be closing in the near future due to the depletion of the aggregate material. Any quarry installed outside of San Diego County would require longer truck trips, and thereby increasing the cost of aggregate supply. The truck trips from the Project site would consist of reallocated truck trips from other closed mines that are no longer producing material to be transported. As these newly allocated trips would still be from a location within the County to project sites within the County, the average miles traveled per truck trip should remain fairly constant.

The Project does not include a residential component; therefore, no direct population growth would result from the Project as compared to what was accounted for in the development of the RAQS. Additionally, and as set forth above, the development would reduce regional VMT and the new employment opportunities resulting from Project would improve the current jobs-to-housing ratio by providing jobs to local residents. While the place of residence of the persons accepting employment provided by the proposed uses is uncertain, it is reasonable that a large percentage of these jobs would be filled by persons already living within the surrounding area; therefore, employment projections would remain consistent with regional growth projections and, therefore, consistent with the RAQS.

As shown in Table 22 in the previous Section 4.2.2.2, the predicted CO concentrations would be substantially below the one-hour and eight-hour NAAQS and CAAQS for CO. Therefore, no exceedance of the CO standard at any intersections are predicted to occur under the cumulative year 2020 conditions, and the Project would not cause or contribute to a violation of the air quality standard.

As discussed in Section 4.2.2.2, Phase 2 operational NO_X emissions would exceed the screening-level threshold. Based on the analysis presented in Section 4.1, the Project would be consistent with the RAQS and SIP. It was demonstrated in Section 4.2.2.2 that operational emissions would result in a significant and unavoidable impact during Phase 2 operations. Therefore, the Proposed Project would contribute to a cumulatively considerable net increase in emissions.

4.3.2.3 *Mitigation Measures and Design Considerations*

No additional mitigation is available.

4.3.2.4 *Conclusions*

As shown in Table 15, the peak daily operational NO_X emissions during Phase 2 would exceed the daily threshold and, therefore, would contribute to a cumulatively considerable net increase in emissions. The majority of the Phase 2 emissions are a direct result of onsite blasting and

off-site truck trips. Due to the nature of operations of the Project, no feasible mitigation is available. It is important to note this impact would be temporary and only occur during Phase 2. Furthermore, as described previously, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. An independent market analysis has estimated that the total distance from other quarries in San Diego County to the Otay Hills Quarry market area is approximately 29 miles (see Appendix H). The average distance to the market area from the Proposed Project site is 10 miles. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a significant and unavoidable cumulatively considerable impact to related to emissions of NO_X during Phase 2.

4.4 Impacts to Sensitive Receptors

4.4.1 Guidelines for the Determination of Significance

4.4.1.1 *Guidelines*

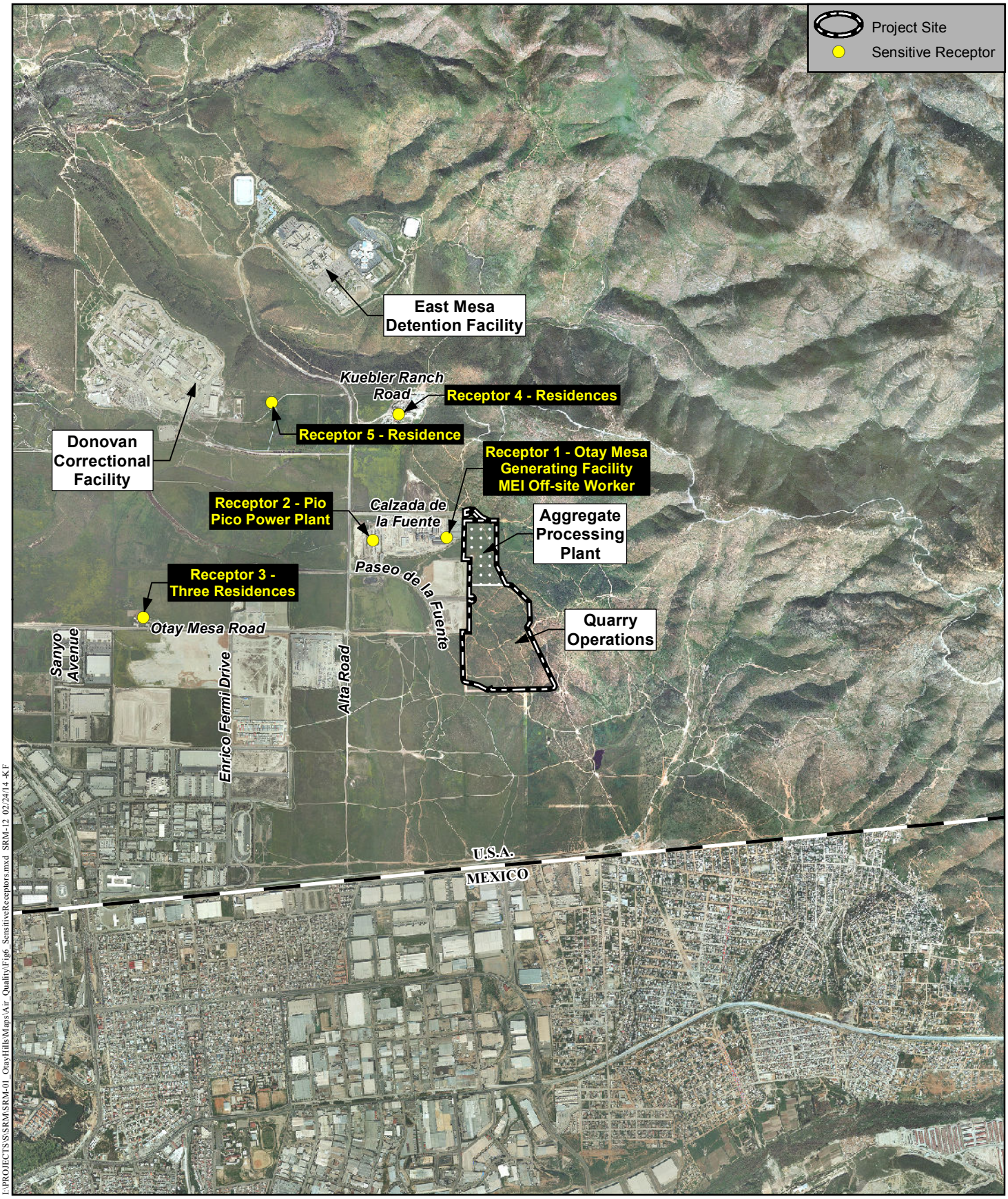
The project places sensitive receptors near CO "hot spots" or creates CO "hot spots" near sensitive receptors.

Project implementation will result in exposure to TACs resulting in a maximum incremental cancer risk greater than 10 in 1 million with application of T-BACT or a health hazard index greater than one would be deemed as having a potentially significant impact.

4.4.1.2 *Issue Background*

Air quality regulators typically define "sensitive receptors" as schools, hospitals, resident care facilities, day-care centers, or other facilities that may house individuals with health conditions that would be adversely impacted by changes in air quality. However, for the purpose of CEQA analysis, the County definition of "sensitive receptors" also includes residences (County 2007). Figure 6 presents the location of the sensitive receptors (residences). Approximately one-half mile southwest of the Project site, three existing houses are adjacent to each other on Otay Mesa Road. The primary emission of concern for impacts to sensitive receptors is DPM. Other TACs includes arsenic, beryllium, cadmium, hexavalent chromium, chromium, copper, lead, manganese, mercury, nickel, and selenium.

The CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is comprised of two phases (gas and particulate) and both contribute to the risk. The gas phase is composed of many of the urban hazardous air pollutants such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size of composition. The size of diesel particulates of greatest health concern is fine and ultra-fine



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Location of Sensitive Receptors

OTAY HILLS

HELIX Environmental Planning

0 3,000 Feet

Figure 6

particles. These particulates may be composed of elemental carbon with absorbed compounds such as organic, sulfates, nitrates, metals, and other trace elements.

Diesel exhaust is likely to be carcinogenic to humans by inhalation from environmental exposures. Diesel exhaust, as reviewed in this document, is the combination of DPM and diesel exhaust organic gases. Diesel exhaust also results in chronic respiratory effects, possibly the primary noncancer hazard. Prolonged exposures may impair pulmonary function and could produce symptoms such as cough, phlegm, and chronic bronchitis. Exposure relationships have not been developed from these studies.

Cancer risk is the probability or chance of contracting cancer. Carcinogens are not assumed to have a threshold below which there would be no human health impact. In other words, any exposure to a carcinogen is assumed to have some probability of causing cancer; the lower the exposure, the lower the cancer risk. Under various state and local regulations, an incremental cancer risk greater than 10 in 1 million due to a project is considered to be a significant impact on public health. For example, the 10 in 1 million risk level is used by the Air Toxics Hot Spots (Assembly Bill [AB] 2588) program and California's Proposition 65 as the public notification level for air toxic emissions from existing sources. The SDAPCD also uses the 10 in 1 million criteria in evaluating the significance of potential increased cancer risk from a project.

Non-cancer health effects can be either acute (short term) or chronic (long term). In determining potential non-cancer health risks (chronic and acute) from air toxics, it is assumed there is a dose of the chemical of concern below which there would be no impact on human health. The air concentration corresponding to this dose is called the REL. Non-cancer health risks are measured in terms of an HI, which is the calculated exposure of each contaminant divided by its REL.

Hazard indices for pollutants affecting the same target organ are typically summed with the resulting totals expressed as an total HI for each organ system. An HI of less than 1.0 is considered to be a less-than-significant health risk. In evaluating non-cancer health effects, the SDAPCD uses a significance threshold 1.0 for the HI, with a HI of greater than 1.0 being considered as having a significant impact.

Chronic toxicity is defined as adverse health effects from prolonged chemical exposure, caused by chemicals accumulating in the body. Because chemical accumulation to toxic levels typically occurs slowly, symptoms of chronic effects usually do not appear until long after exposure commences. The lowest no-effect chronic exposure level for a non-carcinogenic air toxic is the chronic REL. Below this threshold, the body is capable of eliminating or detoxifying the chemical rapidly enough to prevent its accumulation. The chronic HI is calculated as the exposure of each contaminant (annual concentration) divided by its REL.

Acute toxicity is defined as adverse health effects caused by a brief chemical exposure of no more than 24 hours. For most chemicals, the air concentration required to produce acute effects is higher than the level required to produce chronic effects because the duration of exposure is shorter. Maximum one-hour average concentrations are divided by acute RELs to obtain an HI for health effects caused by relatively high, short-term exposure to air toxics.

The USEPA's air dispersion model AERMOD, version 18081, was used to predict the dispersion of toxic emissions from the Proposed Project. All regulatory default options and the rural dispersion algorithm of the AERMOD model were conservatively used in this analysis. SDAPCD approved meteorological data for the nearest meteorological station for the latest years available (2015-2017) was used in AERMOD. Special discrete receptors were placed within 3 kilometers (1.86 miles) around the project boundary to represent the actual nearest residences.

AERMOD output files were pre-processed in Harp-on-Ramp model to create XOQ and SRC files. In assessing potential cancer and non-cancer health effects for operation of the Proposed Project, the CARB's HARP computer program and associated OEHHA health risk evaluation guidance (OEHHA 2015) were used. The HARP model was used to evaluate multi-pathway exposure to toxic substances from the Proposed Project. The potential exposure pathways included inhalation, dermal (skin) exposure, soil ingestion, ingestion of homegrown produce, and mother's milk, as appropriate for an individual chemical. Because of the conservatism (over prediction) built into the established risk analysis methodology, the actual risks are expected to be lower than those estimated.

The cancer and non-cancer health risks from the Project were estimated by conducting dispersion modeling of the TAC emissions and calculating health risks with the HARP model following OEHHA health risk guidance. Details of the modeling methodology and health risk calculations are contained in Appendix G.

4.4.2 Significance of Impacts Prior to Mitigation

4.4.2.1 *Construction-related Diesel Particulate Matter*

Health risk assessments for diesel engine particulate matter are typically conducted for areas that would expose sensitive receptors to high concentrations of diesel engine particulate over a long period of time. Per guidelines of the OEHHA and the CAPCOA, estimating the cancer risk from diesel engine particulate is typically not required for construction activities, as they occur for a short period of time (i.e., less than one year) and, therefore, would not measurably increase cancer risk (e.g., less than 9 years for school children, 25 years for off-site workers, and 30 years for residences).

Therefore, construction of the Proposed Project is not anticipated to result in an elevated health risk to exposed persons given the one-year temporary and transitory nature of construction-related diesel exposure. Consequently, the human health impact of diesel risks associated with construction activities is considered to be less than significant.

4.4.2.2 *Operation-related TAC Health Risk*

Toxic Air Contaminant Emissions

Sources of TACs from existing and future quarry operation include diesel-fueled off-road mobile equipment, diesel generators, and diesel-fueled haul trucks traveling on and off site. DPM is emitted from all these sources. At the asphalt plant, the drum dryer and hot oil heater would emit

DPM because they would combust diesel fuel. Other sources of DPM at the asphalt plant would include diesel-fueled mobile equipment and haul trucks. Other TACS, in the form of metals and organic hydrocarbons, would be emitted from the drum dryer, hot oil heater, asphalt oil storage tanks, asphalt storage silos, from load out of asphalt into trucks, and from fugitive dust sources such as open storage piles, travel on unpaved roads, and rock crushing.

The CARB-approved HARP model (Version 2) was used to evaluate the potential health effects from TACs. The HARP average point-estimate was used in the analysis. The HARP model runs are included in Appendix G.

HRA Analysis

All known TACs such as arsenic, beryllium, cadmium, hexavalent chromium, chromium, copper, DPM, lead, manganese, mercury, nickel, and selenium were evaluated following the latest guidance outlined in the *Air Toxics Hot Spots Program Risk Assessment Guidelines* (OEHHA, 2015). Following detailed dispersion modeling utilizing the U.S. EPA's AERMOD dispersion model, the CARB Hotspots Analysis and Reporting Program (HARP), Version 2 was used for HRA modeling to determine health risks associated with exposure to TACs.

To evaluate air impact from the facility operation, AERMOD was run assuming a variety of area, volume, and point sources. Fugitive emissions from each of the storage piles, the diesel storage tank, and recycled materials plant, along with diesel exhaust emission associated with heavy duty off road equipment were modeled as individual area sources. Exhaust emissions associated with aggregate delivery trucks traveling offsite along with exhaust and fugitive emissions associated with onsite haul road equipment and truck travel were modeled as line volume sources. Individual point sources were assigned to various sources including the hot mix asphalt dryer and hot oil heater. Aggregate screens, conveyor transfer points, and crushers, were modeled as volume sources.

The HARP Risk Module predicts health impacts in terms of cancer risk, hazard index for acute, and hazard index for chronic by factoring AERMOD-predicted pollutant concentrations by pollutant-specific cancer potency values and chronic/ acute REL obtained from OEHHA. Acute and chronic RELs and cancer URFs have been published by OEHHA for many of the chemicals. If the Risk Score for each is less than 1.0, then the chemical is deemed not to pose a potential for acute or noncancer chronic health effects.

The acute, chronic, and cancer risk modeling were applied to the air toxics that could be emitted from the Proposed Project for which RELs and URFs were published by the OEHHA. The modeling was done for Phases 2 and 3 operations, because the Phases 2 and 3 emissions are generally higher than Phases 1 and 4.

Potential chronic health effects from construction are of short duration (on the order of one to two years), so the exposure is one to three percent of that assumed in the REL and URF factors. However, a health risk assessment for construction was not necessary for this study.

The potential for health effects at actual receptors where there is a potential for exposure is termed an MEI analysis. For noncancer effects, the HI is calculated, and if the HI is less than 1.0,

then there is not a potential for non-cancer health effects. The HI is normally calculated assuming that both workers and residences are exposed continuously for a lifetime. Thus, the annual average concentration is divided by the REL to calculate a chronic HI, with no adjustment for worker versus residential exposure. Because the HI is the ratio of the exposed concentration to the REL, the HI is can be converted to a percent of the REL by multiplying by 100. That is, an HI of 0.02 is 2 percent of the REL.

For potential carcinogenic effects, the incremental cancer risk as the result of the exposure is calculated. For residential exposure, it is assumed that the person is exposed continuously to the maximum concentration for 30 years. In actuality, people rarely reside at the same location for 30 years and are never continuously exposed to the maximum concentration. To calculate the incremental cancer risk, the URF is multiplied by the chronic (annual) concentration. The URF expresses the probability that a person could contract cancer if the person were exposed to one microgram per cubic meter of the pollutant continuously for a lifetime. The URFs are based on a 70-year exposure applicable to residences. In addition, workers do not work in the same place for 70 years.

There are various systems to account for worker versus residential exposure. Two components that determine the worker exposure to facility emissions include the estimated concentration the worker is exposed to during the work shift and the amount of time the worker's schedule overlaps with the facility's emission schedule. To estimate the modeled concentration the worker is breathing during the work shift, a worker adjustment factor is used to approximate what the worker is breathing based on the modeling run used for residential receptors. The HARP software uses a worker adjustment factor in calculating worker impacts.

Cancer risk probability is often expressed as the number of cases of cancer that could occur if one million persons were exposed. This is calculated by multiplying the cancer risk times one million. Cancer risks less than 1 in 1 million or 10 in 1 million with T-BACT are considered acceptable by the SDAPCD under Rule 1201. The results for Phases 2 and 3 operational activities are shown in Table 23 for HI and for cancer risk. The chronic and acute HIs are less than 1.0 and the cancer risk is less than 10 in 1 million. The results in Table 23 for the MEI off-site worker are overstated by a very large margin, as the maximum impacted receptor, Otay Mesa Power Plant, which is a peaking power plant, is not continuously operated. Therefore, the worker exposure adjustment factor is much less than 0.20.

Table 23 CANCER RISK AND HAZARD INDEX AT THE MAXIMUM EXPOSED INDIVIDUALS FOR PHASES 2 AND 3 OPERATIONAL ACTIVITIES		
	MEI Off-site Worker	**MEI Residence**
Location of MEI	Otay Mesa Generating Project	Kuebler Ranch Residence
Cancer Risk per 1 Million Persons Exposed	4.42	5.92
Exceed 10 in 1 Million Threshold?	**No**	**No**
Chronic Hazard Index	**0.38**	**0.06**
Exceed HI of 1?	**No**	**No**
Acute Hazard Index	**0.29**	**0.15**
Exceed HI of 1?	**No**	**No**

4.4.3 Mitigation Measures and Design Considerations

Because the screening health risk modeling showed that operations-period TAC emissions would result in emissions leading to a health risk factor of less than 10 in 1 million, no additional design consideration or mitigation is required.

4.4.4 Conclusions

Impacts to nearby sensitive receptors would be less than significant.

4.5 Odor Impacts

4.5.1 Guidelines for the Determination of Significance

Based on the County Guidelines (2007), a project would have a significant impact if it would generate objectionable odors or place sensitive receptors next to existing objectionable odors that would affect a considerable number of persons or the public. While offensive odors rarely cause any physical harm, they can be very unpleasant, leading to considerable distress among the public and often generating citizen complaints to local governments and air districts. Any project with the potential to frequently expose the public to objectionable odors would be deemed as one having a significant impact. Odor impacts on residential areas and other sensitive receptors warrant the closest scrutiny; but consideration should also be given to other land uses where people may congregate, such as recreational parks, etc.

The Environmental Checklist (Appendix G) of the California Environmental Quality Act (CEQA) Guidelines indicates that a project would have a significant air quality impact if it would create objectionable odors affecting a substantial number of people. Potential impacts associated with odor nuisance were determined through consideration of the Project's potential odor sources and proximity of residences or other land uses where individuals could be sensitive to odors.

4.5.2 Significance of Impacts Prior to Mitigation

According to the County's Zoning Ordinance, Section 6318, "all commercial and industrial uses shall be so operated as to not emit matter causing unpleasant odors which are perceptible by the average person at or beyond any lot line of the lot containing said uses." In general, this ordinance applies to industrial land uses. The mining operation itself would not be a source of odor impacts. According to the SCAQMD's CEQA Air Quality Handbook, land uses associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting activities, refineries, landfills, dairies, and fiberglass molding operations. These objectionable odors-related land uses are not proposed for the Project.

Minor odors would be generated from vehicles and/or equipment exhaust emissions during construction of the Proposed Project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of heavy-duty equipment and vehicles. Such odors are temporary and may create an occasional "whiff" of diesel exhaust that would not affect substantial numbers of people.

The Project would generate potential odors and gaseous fumes by evaporative emissions and tailpipe emissions from vehicles and diesel-powered equipment during operations. Odor impacts would be limited to the traffic circulation routes and unloading/loading areas. Odors associated with diesel exhaust may be detectable for a short period, but would not be located in a singular area and would quickly disperse.

Operation of the asphalt plant, the only major odor source for the Proposed Project, would emit a number of hydrocarbon compounds that are considered by many people to be objectionable. Hydrogen sulfide (H_2S) is the most emissive hydrocarbon compound from hot mix asphalt operation. Emissions of odorous H_2S compounds would be reduced by implementation of BACT such as fiber bed mist collectors, as required by the SDAPCD. However, odors would still be emitted from the facility even with these controls.

Odor produced from a project that creates an odor nuisance pursuant to SDAPCD Rule 51 is considered a potential significant impact. The nearest residence to the proposed asphalt plant site is located approximately two miles away. Although odor has been associated with asphalt plants in the past, modern emission control techniques required by SDAPCD regulations and silo storage vented through a baghouse greatly reduce the potential for odors. The facility would practice a "blue smoke" program whereby routine visual inspection of the plant is conducted to ensure that there are not significant sources of fugitive emissions; the facility operators also would practice other nationally accepted practices that reduce the potential for odor from asphalt production.

It is also noted that the asphalt plant would have to obtain an authority to construct and permit to operate from the SDAPCD. As part of the permitting process, the Applicant would need to demonstrate to the satisfaction of the SDAPCD permitting staff that the plant would be equipped with BACT for controlling air emissions. Although the odors from the asphalt plant are not likely to cause a nuisance, the wind direction is favorable to nearby residents, and the asphalt plant design would reduce odor to insubstantial levels.

A blue smoke control method would apply to all plant components which would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system must all work together to form a scavenger system. This involves:

- Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
- Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,
- Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
- Installing dampers within the ductwork to control airflow.

Blue smoke systems are likely to become a standard pollution control device for the hot-mix asphalt facility.

Because odor-producing operations are monitored, impacts to adjacent sensitive receptors (the nearest of which is located about two miles away) are not anticipated. Because of truck travel associated with the asphalt oil that is delivered to the Project site and the asphalt product that is transported from the Project site to a construction site is essentially all on the freeway, the trucks are traveling at relatively high speeds. At freeway speeds, odor is not detected because of the rapid dispersion of any potential odor-causing chemicals. When the asphalt trucks are traveling at low speed on local arterial thoroughfares, there may be a brief detectable local asphalt odor.

During Phase 4 of the Proposed Project, the open pit would be backfilled with inert fill dirt material. The rate of backfill is estimated at 500,000 cy per year. All fill material would be inspected upon arrival to ensure that contaminated soils or garbage are not present. Only clean demolition materials from redevelopment projects would be considered as an inert fill material.

No sanitary waste would be disposed at the Project site, as all sanitary waste must be disposed at other local sanitary landfills or hauled to locations where sanitary waste receiver sites are available. The inert dirt fill materials would not generate any odors at the Proposed Project site.

Neither on-site diesel exhaust nor diesel exhaust odors from local arterial is anticipated to occur on the nearest residence located approximately two miles from the Project site.

In summary, based on the temporary and de-localized nature of odorific emissions during construction and from mobile equipment, odor impacts associated with construction and operation of the Project would not be adverse. Further, best management practices and Project features such as fiber bed mist collectors and blue smoke control systems would reduce odors associated with quarry operation to a less than significant level.

4.5.3 Mitigation Measures and Design Considerations

Blue smoke system would be a standard pollution control device for the hot-mix asphalt facility, which will help control hydrocarbon emissions, including hydrogen sulfide. The blue smoke control system would include but not limited to:

- Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
- Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,
- Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
- Installing dampers within the ductwork to control airflow.

Because the Project would not generate objectionable odors or place sensitive receptors near existing odor sources that would affect a considerable number of persons or the public, no mitigation measures or additional design considerations are required.

4.5.4 Conclusions

Due to the nature of the Project, there are no significant odorous air emissions anticipated from normal operations at the Project site. Impacts associated with the Project construction and operation would be less than significant.

5.0 SUMMARY OF RECOMMENDED DESIGN FEATURES, IMPACTS AND MITIGATION

In summary, the Proposed Project would result in the emission of air pollutants during the construction and operational phases of the Project. The AQIA evaluated the potential for adverse impacts to the ambient air quality due to construction and operational emissions. Operational emissions would include emissions associated with fugitive dust, heavy equipment, workers commuting to and from the site, and haul truck trips.

The Proposed Project would comply with the SDAPCD Rules and Regulations. According to the SDAPCD Rule 55 – Fugitive Dust Control, it states that no dust and/or dirt shall leave the property line, as follows:

(1) Airborne Dust Beyond the Property Line: No person shall engage in construction or demolition activity subject to this rule in a manner that discharges visible dust emissions into the atmosphere beyond the property line for a period or periods aggregating more than 3 minutes in any 60-minute period.

(2) Track-Out/Carry-Out: Visible roadway dust as a result of active operations, spillage from transport trucks, erosion, or track-out/carry-out shall:

(i) be minimized by the use of any of the following or equally effective track-out/ carry-out and erosion control measures that apply to the project or operation:

(a) track-out grates or gravel beds at each egress point,

(b) wheel-washing at each egress during muddy conditions, soil binders, chemical soil stabilizers, geotextiles, mulching, or seeding; and for outbound transport trucks:

(c) using secured tarps or cargo covering, watering, or treating of transported material; and

(ii) be removed at the conclusion of each work day when active operations cease, or every 24 hours for continuous operations. If a street sweeper is used on public roads to remove any track-out/carry-out, only PM_{10}-efficient street sweepers certified to meet the most current SCAQMD Rule 1186 requirements shall be used. The use of blowers for removal of track-out/carry-out is prohibited under any circumstances.

Being consistent with the Rule 55 requirements, the measures that are incorporated into the Project design to reduce emissions associated with construction include the following:

- A minimum of three applications of water during grading between dozer/scraper passes – reduces PM_{10} emissions by 61 percent;
- Use of sweepers or water trucks to remove "track-out" at any point of public street access – reduces PM_{10} emissions by 25 percent; and
- Stabilization of storage piles by sprinkling watering, tarps, fencing or other erosion control – reduces PM_{10} emissions by 30 percent.

The measures listed above constitute BMPs for dust control, diesel particulate, and construction equipment emissions. With the implementation of the fugitive dust control measures, the phased operational impacts are less than significant.

Superior's design for the operation of the Proposed Project includes the implementation of the following measures, some of which fall under the required BACT guidelines. These designs were included in the air quality modeling and assessment discussed below.

- Installation of baghouse emission control on cone crusher and impact crushers with the potential for emissions. This reduces PM_{10} emissions by estimated between 95 and 99 percent (NIOSH 2012).
- Installation of water spray emission controls on transfer points with the potential for emissions that are associated with the conveyors and screens. This reduces emissions by estimated 75 percent (NIOSH 2012).

- Paved access roads for the majority of the haul routes used by on-road delivery vehicles. Limited on-site haul roads will be unpaved, and those will be chemically stabilized and/or routinely watered.

- Installation of an efficient material loading system to minimize the amount of product delivery trucks idling time.

- Utilization of material load-out chutes to minimize the potential for dust generation during product loading.

- Use of off-road equipment (such as off-road quarry haul trucks, loaders, graders, etc.) that meet required, stringent emission controls under USEPA and CARB off-road diesel vehicle regulations.

- Installation of emission controls on drilling equipment to minimize dust generation.

    - Hot Mix Asphalt Plant: Compliance with APCD permits would require the use of BACT, such as fiber bed mist collectors, which would ensure a relatively emission- and dust-free operation. A blue smoke control method would apply to all plant components which would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system must all work together to form a scavenger system. This involves sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),

    - Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,

    - Utilizing separate scavenger fan to convey captured emissions through the ductwork, and

    - Installing dampers within the ductwork to control airflow.

    Blue smoke systems are likely to become a standard pollution control device for the hot-mix asphalt facility.

- Concrete Batch Plant: Compliance with APCD permits would require the use of BACT, such as baghouse dust collectors, which would ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags.

    - 90 percent efficient Fabric or Cartridge type vent filters on silos.

    - Enclosed aggregate and cement weigh hoppers, screw conveyors and concrete batcher vented to a 90 percent efficient fabric filter baghouse.

    - Flexible shroud which seals to the truck along with a water sprinkler system used when dry products are mixed.

- Shroud vented to 90 percent efficient fabric filter baghouse

All heavy duty off-road equipment operating on the Project site should meet CARB's Off-road Vehicle Regulations with a minimum of Tier 2 engines for Phases 1 and 2 and a minimum of Tier 4 engines for Phases 3 and 4. In addition, all off-road equipment shall be outfitted with BACT devices certified by the CARB. Any emissions control device used by the contractor and/or operator shall achieve emissions reductions that are no less than what could be achieved by a Level 2 diesel emissions control strategy for a similarly sized engine as defined by the CARB regulations.

The On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation requires diesel trucks that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks will need to have 2010 model year engines or equivalent. The regulation applies to nearly all privately and federally owned diesel fueled trucks with a gross vehicle weight rating (GVWR) greater than 14,000 pounds.

Portable engines such as generator sets are regulated by an air toxic control measure that limits diesel particulate matter and must be registered under the Portable Equipment Registration Program (PERP) or comply with local air district permit.

Also, because the Project is consistent with the General Plan and would not exceed the growth projections in the SANDAG growth forecasts for the OSP Area, impacts associated with Project potential interference with the RAQS would be less than significant.

The peak daily operational NO_X emissions during Phase 2 would exceed the daily threshold and would, therefore, result in a significant impact under CEQA. The majority of the Phase 2 emissions are a direct result of off-site truck trips. As described previously, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. An independent market analysis has estimated that the total distance from the distant quarries in San Diego County to the Otay Hills Quarry market area is approximately 29 miles (see Appendix H). The average distance to the market area from the Proposed Project site is 10 miles per trip. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a direct and cumulative significant and unavoidable operational impact to related to emissions of NO_X during Phase 2. Emissions of all other criteria pollutants would be below the screening-level and significant thresholds for Project construction and operations and, therefore, would be less than significant under CEQA.

Both construction-period and operational health risk effects related to DPM would be less than significant.

An evaluation of odors indicated that odor impacts would be less than significant.

6.0 REFERENCES

California Air Pollution Control Officers Association (CAPCOA)

2009. Health Risk Assessments for Proposed Land Use Projects Guidelines.

1990. Air Toxics Hot Spots Program Facility Prioritization Guidelines.

1989. Air Toxics Assessment Manual.

California Air Resources Board (CARB)

2019. Top 4 Measurements and Days Above the Standard. Available at: http://www.arb.ca.gov/adam/welcome.html.

2016. Ambient Air Quality Standards. Available at: https://www.arb.ca.gov/research/aaqs/aaqs2.pdf. May.

2013c. California State Implementation Plans. Available at: http://www.arb.ca.gov/planning/sip/sip.htm.

2013d. Area Designations and Maps – 2012.

2009a. CARB Fact Sheet: Air Pollution and Health. Available at: http://www.arb.ca.gov/research/health/fs/fs1/fs1.htm. December 2.

2009b. Almanac Emissions Projection Data (published in 2010). Available at: http://www.arb.ca.gov/app/emsinv.

2008. Regulation for On-road Heavy-duty Diesel-fueled (In-use) Vehicles. December 12.

2007a. EMFAC2007 Emissions Model.

2007b. OFFROAD Emission Factors.

2007c. Regulation for In-use Off-road Diesel-fueled Fleets. December 8.

2005. Air Quality and Land Use Handbook: A Community Health Perspective. April.

2003. Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk. October 9.

2001. Asbestos Airborne Toxic Control Measure (ATCM) for Construction, Grading, Quarrying, and Surface Mining Operations. July.

2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles.

California Air Resources Board (CARB) (cont.)

1998. Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant, Appendix III, Part A, Exposure Assessment.

1984. Report of the committee regarding the review of the AAQS for hydrogen sulfide. Memorandum from CARB to G. Duffy.

California Department of Transportation (Caltrans)

1998. Caltrans ITS Transportation Project-level Carbon Monoxide Protocol.

California Division of Mines and Geology, 2000. *General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos*.

California Office of Environmental Health Hazard Assessment (OEHHA)

20015. The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February.

County of San Diego

2011. San Diego County General Plan. August 3. Available at: http://www.sdcounty.ca.gov/dplu/gpupdate.html.

2007. Guidelines for Determining Significance and Report Format and Content Requirements – Air Quality. March 19.

Darnell & Associates

2017. Traffic Impact Study for the Otay Hills Project. December.

Department of Finance

2011. E-5 City/County Population and Housing Estimates, 1/1/2011. Available at: http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php.

DeSiena, Ralph

2015. Personal communication between Mr. Ralph DeSiena at the San Diego Air Pollution Control District and Mr. Victor Ortiz at HELIX Environmental Planning, Inc. March 26.

EnviroMINE Inc.

2020. San Diego County Construction Aggregate Market Study. May.

Mojave Desert Air Quality Management District and Antelope Valley Air Pollution Control District

2000. Emissions Inventory Guidance. Minerals Handling and Processing Industries. April.

National Institute for Occupational Safety and Health (NIOSH) 2012. *Dust Control Measures for Industrial Minerals Mining and Processing*. Report of Investigations 9689. Office of Mine Safety and Research. January.

San Diego Association of Governments (SANDAG)

2011a. SANDAG Data Warehouse. Available at: http://datawarehouse.sandag.org.

2011b. San Diego Region Aggregate Supply Study. January.

2011c. 2050 Regional Transportation Plan. October.

San Diego County Air Pollution Control District (SDAPCD)

2017a. Attainment Status. Available at: http://www.sandiegocounty.gov/content/sdc/apcd/en/air-quality-planning/attainment-status.html. Accessed December 6, 2017.

2017b 2015 Air Toxics "Hot Spots" Information and Assessment Act (AB 2588). January 25. Available at: http://www.sdapcd.org/content/dam/sdc/apcd/PDF/Toxics_Program/2015_THS_Program_Rpt.pdf.

2013. 2012 Air Toxics Hot Spot Program Report for San Diego County. December. Available at: http://www.sdapcd.org/toxics/toxics_12_rpt.pdf

2012. Ozone Redesignation Request and Maintenance Plan. September. Available at: http://www.sdapcd.org/homepage/public_part/AttB-Ozone_Plan.pdf.

2010. Fact Sheet: Attainment Status and Smog in San Diego County. January. Available at: http://www.sdapcd.org/info/facts/attain.pdf.

2009a. National Core Monitoring Workplan – El Cajon. November 16.

2009b. Regional Air Quality Strategy Revisions. Available at: http://www.sdapcd.org/planning/2009-RAQS.pdf.

2008. Five Year Air Quality Summary. Available at: http://www.sdapcd.org/air/reports/smog.pdf.

2007. Eight-hour Ozone Attainment Plan for San Diego County. May.

2004. 2004 Triennial Revision of the Regional Air Quality Strategy for San Diego County. July 28.

1999. Mineral Products Industry, District Engineering Estimate. August 25. Available at: https://www.sandiegocounty.gov/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Mineral_Products_Calc.html

Sacramento Metropolitan Air Quality Management District (SMAQMD)
2008. Aggregate & Rock Crushing Operations Manual. November 24.

South Coast Air Quality Management District (SCAQMD)
2007a. SCAQMD EMFAC2007 Emissions Factors.

2007b. SCAQMD OFFROAD Emission Factors.

2002. Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions.

1993. CEQA Air Quality Handbook.

Sutton, Catherine
2002. Hot Mix Blue Smoke Emissions. ASTEC Technical Paper T-143. November.

Turner, D. Bruce
1994. Workbook of Atmospheric Dispersion Estimates. Page 2-7.

U.S. Environmental Protection Agency (USEPA)
2011. Compilation of Air Pollutant Emission Factors, Volume I, Miscellaneous Sources, AP-42, Section 13.2.1, Paved Roads. January. Available at: https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s0201.pdf

2010a. Fact Sheet: Proposal to revise the National Ambient Air Quality Standards for Ozone. January 19. Available at: http://www.epa.gov/air/oaqps/eog/course422/ap7a.html#table.

2010b. Fact Sheet: Final Revisions to the National Ambient Air Quality Standards for Nitrogen Dioxide. January 22. Available at: http://www.epa.gov/air/oaqps/eog/course422/ap7a.html#table.

2010c. Monitor Values Report. Available at: http://www.epa.gov/air/data/monvals.html.

2007. The Effects of Air Pollutants – Health Effects. Available at: http://www.epa.gov/air/oaqps/eog/course422/ap7a.html#table.

2006. Compilation of Air Pollutant Emission Factors, Volume I, Stationary Point and Area Sources, AP-42, Section 11.12, Concrete Batching. June. Available at: http://www.epa.gov/ttn/chief/ap42/ch11/final/c11s12.pdf.

2004a. Compilation of Air Pollutant Emission Factors, Volume I, Stationary Point and Area Sources, AP-42, Section 11.1, Hot Mix Asphalt Plants. April. Available at: http://www.epa.gov/ttn/chief/ap42/ch11/final/c11s01.pdf.

U.S. Environmental Protection Agency (USEPA) (cont.)

2004b. Compilation of Air Pollutant Emission Factors, Volume I, Stationary Point and Area Sources, AP-42, Section 11.19.2, Crushed Stone Processing and Pulverized Minerals Processing. August. Available at: http://www.epa.gov/ttn/chief/ap42/ch11/final/c11s1902.pdf.

2002. Industrial Source Complex Short Term Air Dispersion Model.

1998. Compilation of Air Pollutant Emission Factors, Volume I, Stationary Point and Area Sources, AP-42, Section 11.9, Western Surface Coal Mining, Blasting and Active Storage Piles. October. Available at: http://www.epa.gov/ttn/chief/ap42/ch11/final/c11s09.pdf.

1996. Compilation of Air Pollutant Emission Factors (AP-42), Section 3.1, Gasoline and Diesel Industrial Engines. October.

1980. Compilation of Air Pollutant Emission Factors, Volume I, Stationary Point and Area Sources, AP-42, Section 13.3, Explosives Detonation. February.

University of California Berkeley.

2005. Berk, Peter *Working Paper No. 994 – A Note on the Environmental Costs of Aggregate* Department of Agricultural and Resource Economics and Policy, Division of Agricultural and Natural Resources.

University of California, Davis (UCD)

1997. Transportation Project-level Carbon Monoxide Protocol (CO Protocol). Institute of Transportation Studies.

Western Regional Climate Center

2012. Western U.S. Climate Historical Summaries. http://www.wrcc.dri.edu/Climsum.html.

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Appendix A

Emission Calculation Spreadsheets

Otay Hills Construction Aggregate and IDEFO Operations Data

Production Data

Activity	High Production		
	Annual (TPY)	Daily (TPD)	Hourly (TPH)
Total Aggregate Throughput			
Primary Processing Production	1,600,000	8,000	800
Secondary Processing Production	1,400,000	7,000	700
Recycled Material Production	420,000	3,000	300
Sand Screen Plant	200,000	2,000	200
Concrete Batch Plant	1,000,000	10,000	1,000
Cement-Treated Base Plant	320,000	4,000	400
Hot Mix Asphalt Batch Plant	600,000	5,000	500
Note: Total aggregate thorughput will be 2,020,000 and may include up to 420,000 TPY of recycle aggregate, asphalt, and concrete materials			

Production Schedule

Activity	Daily Schedule at Maximum Production Rate (hrs/day)	Annual Schedule at Maximum Production Rate (hrs/year)
Aggregate Plant Schedule		
Primary Processing Schedule	10	2,000
Secondary Processing Schedule	10	2,000
Recycled Material Schedule	10	1,400
Sand Screen Plant Schedule	10	1,000
Concrete Batch Plant Schedule	10	1,000
Cement-Treated Base Plant Schedule	10	800
Hot Mix Asphalt Batch Plant Schedule	10	1,200
Note: Typical hours of operation are 6am to 4pm. 2,400 - 2,500 hrs/yr		

Aggregate Material Transfer Rates

Activity	Percent of Products as Aggregate (%)	Aggregate Transferred for Trip Generation		Transfer Method
		Annual Production (TPY)	Daily Max Production (TPD)	
Rock to Primary Plant	100	1,600,000	8,000	Loader to on-site/off-road haul truck to plant
Rock to Secondary Plant	100	1,400,000	7,000	Conveyor
Aggregates to On-Road Product Haul Truck	100	549,000	3,000	Loader to overhead bins
Aggregates to Concrete Batch Plant	80	305,000	1,500	Conveyor
Aggregates to Cement-Treated Base Plant	90	61,000	1,000	Loader operations
Aggregates to Hot Mix Asphalt Batch Plant	80	305,000	2,000	Conveyor

Notes:
1. Aggregate transfer data obtained from Table 4 of the TIS (Darnell and Associates 2017)
2. Aggregate to On-Road Haul Truck represents the loading of product that will be transported off-site. The amount of aggregate product is based on the balance of total aggregate minus the aggregate sent to the concrete and asphalt plants.
3. The concrete, cement treated base, and asphalt plants are fed by the aggregate secondary plant and product stockpiles.

Haul Rates

Activity	Material Transferred			Method
	Annual (TPY)	Daily Max Production (TPD)	Truck Capacity (Tons)	
Aggregate Product	549,000	3,000	27	Truck
Concrete Product	1,000,000	10,000	20	Truck
CTB Product	320,000	4,000	27	Truck
Asphalt Product	600,000	5,000	27	Truck
Cement Delivery	140,000	1,400	27	Truck
Asphalt Oil Delivery	30,000	250	27	Truck

Notes:
1. Cement and Cement Supplement delivery represents the amount of cement and supplements (fly-ash) brought on-site to be used for concrete production and is based on a mixing ratio of approximately 14% cement, as shown in average concrete composition, AP-42, Table 11.12-2
2. The asphalt oil delivery represents the amount of oil brought on-site to be used for asphalt production and is based on a mixing ratio of approximately 5% oil with 95% aggregate.

Off-Road Diesel Engine Emission Factors

PHASE 1 - CONSTRUCTION EQUIPMENT REQUIREMENTS

Off-Road Equipment Type	Horsepower	Load Factors	Output (hp)	Grading			Backbone Infrastructure			Building Construction			Paving		
				Pieces	Hrs/Day	Hrs/Yr	Pieces	Hrs/Day	Hrs/Yr	Pieces	Hrs/Day	Hrs/Yr	Pieces	Hrs/Day	Hrs/Yr
Aerial Lift	63	0.31	19.53	-	-	-	-	-	-	2	8	208	-	-	-
Air Compressors	78	0.48	37.44	-	-	-	-	-	-	2	8	208	-	-	-
Bore/Drill Rigs	221	0.50	110.50	-	-	-	1	8	120	-	-	-	-	-	-
Cement and Mortar Mixers	9	0.56	5.04	-	-	-	-	-	-	2	8	208	1	8	80
Cranes	231	0.29	66.99	-	-	-	-	-	-	2	4	104	-	-	-
Crawler Tractors	212	0.43	91.16	2	8	160	-	-	-	-	-	-	4	8	80
Dumpers/Tenders	16	0.38	6.08	4	4	80	-	-	-	-	-	-	2	4	40
Excavators	158	0.38	60.04	-	-	-	1	8	120	1	4	104	-	-	-
Forklifts	89	0.20	17.80	-	-	-	1	8	120	4	8	208	-	-	-
Generator Sets	84	0.74	62.16	-	-	-	-	-	-	3	8	208	-	-	-
Graders	187	0.41	76.67	2	8	160	-	-	-	-	-	-	1	8	80
Off-Highway Tractors	124	0.44	54.56	1	8	160	1	8	120	1	8	208	1	4	40
Off-Highway Trucks	402	0.38	152.76	4	8	160	2	8	120	-	-	-	1	4	40
Other Construction Equipment	172	0.42	72.24	2	4	80	2	4	60	2	4	104	2	4	40
Other General Industrial Equipment	88	0.34	29.92	1	4	80	1	4	60	4	4	104	-	-	-
Pavers	130	0.42	54.60	-	-	-	-	-	-	-	-	-	1	8	80
Paving Equipment	132	0.36	47.52	-	-	-	-	-	-	-	-	-	2	8	80
Plate Compactors	8	0.43	3.44	-	-	-	-	-	-	2	8	208	1	8	80
Pressure Washers	13	0.30	3.90	-	-	-	-	-	-	2	8	208	-	-	-
Pumps	84	0.74	62.16	-	-	-	-	-	-	1	8	208	-	-	-
Rollers	80	0.38	30.40	2	8	160	-	-	-	-	-	-	1	8	80
Rough Terrain Forklifts	100	0.40	40.00	-	-	-	-	-	-	2	8	208	-	-	-
Rubber Tired Dozers	247	0.40	98.80	4	4	80	-	-	-	-	-	-	1	4	40
Rubber Tired Loaders	203	0.36	73.08	2	8	160	-	-	-	-	-	-	1	8	80
Scrapers	367	0.48	176.16	4	8	160	-	-	-	-	-	-	-	-	-
Skid Steer Loaders	65	0.37	24.05	2	8	160	-	-	-	1	8	208	-	-	-
Sweepers/Scrubbers	64	0.46	29.44	-	-	-	-	-	-	1	4	104	-	-	-
Tractors/Loaders/Backhoes	97	0.37	35.89	2	8	160	2	8	120	2	8	208	-	-	-
Trenchers	78	0.50	39.00	-	-	-	1	8	120	-	-	-	-	-	-
Welders	46	0.45	20.70	-	-	-	-	-	-	8	8	208	-	-	-

Note: List of equipment, horsepower ratings, and emission factors were obtained from the Air Resources Board's 2011 OFFROAD emission factor inventory.
Number of equipment pieces and hours of operations are estimated for Phase 1 of the Otay Hills Project (grading 20 days, backbone infrastructure 15 days, building 26 days, and paving 10 days)

Off-Road Diesel Engine Emission Factors

Off-Road Equipment Type	Emission Factors (g/hp-hr)					
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Aerial Lift	0.1150	3.1768	1.8686	0.0050	0.0420	0.0380
Air Compressors	0.4890	3.6980	3.4000	0.0060	0.2240	0.2240
Bore/Drill Rigs	0.1420	1.0677	1.8073	0.0050	0.0520	0.0480
Cement and Mortar Mixers	0.6610	3.4700	4.1420	0.0080	0.1610	0.1610
Cranes	0.3840	1.7904	4.5633	0.0050	0.1880	0.1730
Crawler Tractors	0.3600	1.5549	4.6323	0.0050	0.1750	0.1610
Dumpers/Tenders	0.6850	2.3390	4.3360	0.0070	0.1650	0.1650
Excavators	0.2310	3.0860	2.2784	0.0050	0.1100	0.1020
Forklifts	0.4590	3.7595	4.1330	0.0050	0.3080	0.2830
Generator Sets	0.3640	3.3800	3.1730	0.0060	0.1790	0.1790
Graders	0.3600	1.3593	4.8658	0.0050	0.1560	0.1440
Off-Highway Tractors	0.2710	3.2151	2.8903	0.0050	0.1400	0.1290
Off-Highway Trucks	0.2460	1.4142	2.3468	0.0050	0.0860	0.0790
Other Construction Equipment	0.3880	3.2353	4.1120	0.0050	0.2170	0.2000
Other General Industrial Equipment	0.4460	3.7707	4.0608	0.0050	0.2960	0.2720
Pavers	0.2730	3.0097	2.9183	0.0050	0.1420	0.1310
Paving Equipment	0.2480	3.0239	2.5550	0.0050	0.1280	0.1180
Plate Compactors	0.6610	3.4690	4.1420	0.0080	0.1610	0.1610
Pressure Washers	0.7210	2.4730	4.5380	0.0070	0.2050	0.2050
Pumps	0.3860	3.4320	3.2190	0.0060	0.1890	0.1890
Rollers	0.3880	3.5314	3.8815	0.0050	0.2470	0.2280
Rough Terrain Forklifts	0.1890	3.2558	2.4522	0.0050	0.1030	0.0940
Rubber Tired Dozers	0.6190	2.3710	6.5033	0.0050	0.3180	0.2930
Rubber Tired Loaders	0.2900	1.2689	3.4212	0.0050	0.1140	0.1040
Scrapers	0.3200	2.4006	3.7825	0.0050	0.1480	0.1360
Skid Steer Loaders	0.1880	3.2771	2.5046	0.0050	0.1080	0.1000
Sweepers/Scrubbers	0.5200	3.8275	4.4821	0.0050	0.3600	0.3310
Tractors/Loaders/Backhoes	0.3310	3.6015	3.3257	0.0050	0.2100	0.1930
Trenchers	0.6100	3.8327	5.5195	0.0050	0.4130	0.3800
Welders	0.9370	4.8400	4.3040	0.0070	0.2380	0.2380

Daily Emissions

Off-Road Equipment Type	Emissions (lbs/day)					
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Grading						
Crawler Tractors	1.1576	4.9999	14.8954	0.0161	0.5627	0.5177
Dumpers/Tenders	0.1469	0.5016	0.9299	0.0015	0.0354	0.0354
Graders	0.9736	3.6761	13.1592	0.0135	0.4219	0.3894
Off-Highway Tractors	0.2608	3.0938	2.7813	0.0048	0.1347	0.1241
Off-Highway Trucks	2.6511	15.2404	25.2909	0.0539	0.9268	0.8514
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Other General Industrial Equipment	0.1177	0.9949	1.0714	0.0013	0.0781	0.0718
Rollers	0.4161	3.7868	4.1623	0.0054	0.2649	0.2445
Rubber Tired Dozers	2.1573	8.2632	22.6645	0.0174	1.1083	1.0211
Rubber Tired Loaders	0.7476	3.2709	8.8191	0.0129	0.2939	0.2681
Scrapers	3.9769	29.8344	47.0084	0.0621	1.8393	1.6902
Skid Steer Loaders	0.1595	2.7801	2.1248	0.0042	0.0916	0.0848
Tractors/Loaders/Backhoes	0.4190	4.5594	4.2103	0.0063	0.2659	0.2443
Grading Total	**13.6783**	**85.1236**	**152.3567**	**0.2059**	**6.2999**	**5.7977**
Backbone Infrastructure						
Bore/Drill Rigs	0.2767	2.0807	3.5223	0.0097	0.1013	0.0935
Excavators	0.2446	3.2678	2.4126	0.0053	0.1165	0.1080
Forklifts	0.1441	1.1803	1.2975	0.0016	0.0967	0.0888
Off-Highway Tractors	0.2608	3.0938	2.7813	0.0048	0.1347	0.1241
Off-Highway Trucks	1.3256	7.6202	12.6455	0.0269	0.4634	0.4257
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Other General Industrial Equipment	0.1177	0.9949	1.0714	0.0013	0.0781	0.0718
Tractors/Loaders/Backhoes	0.4190	4.5594	4.2103	0.0063	0.2659	0.2443
Trenchers	0.4196	2.6363	3.7966	0.0034	0.2841	0.2614
Backbone Infrastructure Total	**3.7024**	**29.5555**	**36.9766**	**0.0658**	**1.8172**	**1.6725**
Building Construction						
Aerial Lift	0.0792	2.1885	1.2873	0.0034	0.0289	0.0262
Air Compressors	0.6458	4.8838	4.4902	0.0079	0.2958	0.2958
Cement and Mortar Mixers	0.1175	0.6169	0.7364	0.0014	0.0286	0.0286
Cranes	0.4537	2.1154	5.3915	0.0059	0.2221	0.2044
Excavators	0.1223	1.6339	1.2063	0.0026	0.0582	0.0540
Forklifts	0.5764	4.7211	5.1900	0.0063	0.3868	0.3554
Generator Sets	1.1972	11.1166	10.4358	0.0197	0.5887	0.5887
Off-Highway Tractors	0.2608	3.0938	2.7813	0.0048	0.1347	0.1241
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Other General Industrial Equipment	0.4707	3.9796	4.2857	0.0053	0.3124	0.2871
Plate Compactors	0.0802	0.4209	0.5026	0.0010	0.0195	0.0195
Pressure Washers	0.0992	0.3402	0.6243	0.0010	0.0282	0.0282
Pumps	0.4232	3.7626	3.5290	0.0066	0.2072	0.2072
Rough Terrain Forklifts	0.2667	4.5937	3.4599	0.0071	0.1453	0.1326
Skid Steer Loaders	0.0797	1.3900	1.0624	0.0021	0.0458	0.0424
Sweepers/Scrubbers	0.1350	0.9937	1.1636	0.0013	0.0935	0.0859
Tractors/Loaders/Backhoes	0.4190	4.5594	4.2103	0.0063	0.2659	0.2443
Welders	2.7367	14.1361	12.5706	0.0204	0.6951	0.6951
Building Construction Total	**8.6577**	**68.6683**	**68.1665**	**0.1096**	**3.8334**	**3.6745**
Paving						
Cement and Mortar Mixers	0.0588	0.3084	0.3682	0.0007	0.0143	0.0143
Crawler Tractors	2.3152	9.9999	29.7907	0.0322	1.1255	1.0354
Dumpers/Tenders	0.0735	0.2508	0.4650	0.0008	0.0177	0.0177
Graders	0.4868	1.8380	6.5796	0.0068	0.2109	0.1947
Off-Highway Tractors	0.1304	1.5469	1.3906	0.0024	0.0674	0.0621
Off-Highway Trucks	0.3314	1.9050	3.1614	0.0067	0.1159	0.1064
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Pavers	0.2629	2.8983	2.8103	0.0048	0.1367	0.1262
Paving Equipment	0.4157	5.0688	4.2827	0.0084	0.2146	0.1978
Plate Compactors	0.0401	0.2105	0.2513	0.0005	0.0098	0.0098
Rollers	0.2080	1.8934	2.0811	0.0027	0.1324	0.1222
Rubber Tired Dozers	0.5393	2.0658	5.6661	0.0044	0.2771	0.2553
Rubber Tired Loaders	0.3738	1.6354	4.4096	0.0064	0.1469	0.1340
Paving Total	**5.7302**	**33.7433**	**66.4957**	**0.0831**	**2.7456**	**2.5307**

Annual Emissions

Off-Road Equipment Type	Emissions (tons/year)					
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Grading						
Crawler Tractors	0.0116	0.0500	0.1490	0.0002	0.0056	0.0052
Dumpers/Tenders	0.0015	0.0050	0.0093	0.0000	0.0004	0.0004
Graders	0.0097	0.0368	0.1316	0.0001	0.0042	0.0039
Off-Highway Tractors	0.0026	0.0309	0.0278	0.0000	0.0013	0.0012
Off-Highway Trucks	0.0265	0.1524	0.2529	0.0005	0.0093	0.0085
Other Construction Equipment	0.0049	0.0412	0.0524	0.0001	0.0028	0.0025
Other General Industrial Equipment	0.0012	0.0099	0.0107	0.0000	0.0008	0.0007
Rollers	0.0042	0.0379	0.0416	0.0001	0.0026	0.0024
Rubber Tired Dozers	0.0216	0.0826	0.2266	0.0002	0.0111	0.0102
Rubber Tired Loaders	0.0075	0.0327	0.0882	0.0001	0.0029	0.0027
Scrapers	0.0398	0.2983	0.4701	0.0006	0.0184	0.0169
Skid Steer Loaders	0.0016	0.0278	0.0212	0.0000	0.0009	0.0008
Tractors/Loaders/Backhoes	0.0042	0.0456	0.0421	0.0001	0.0027	0.0024
Grading Total	**0.1368**	**0.8512**	**1.5236**	**0.0021**	**0.0630**	**0.0580**
Backbone Infrastructure						
Bore/Drill Rigs	0.0021	0.0156	0.0264	0.0001	0.0008	0.0007
Excavators	0.0018	0.0245	0.0181	0.0000	0.0009	0.0008
Forklifts	0.0011	0.0089	0.0097	0.0000	0.0007	0.0007
Off-Highway Tractors	0.0020	0.0232	0.0209	0.0000	0.0010	0.0009
Off-Highway Trucks	0.0099	0.0572	0.0948	0.0002	0.0035	0.0032
Other Construction Equipment	0.0037	0.0309	0.0393	0.0000	0.0021	0.0019
Other General Industrial Equipment	0.0009	0.0075	0.0080	0.0000	0.0006	0.0005
Tractors/Loaders/Backhoes	0.0031	0.0342	0.0316	0.0000	0.0020	0.0018
Trenchers	0.0031	0.0198	0.0285	0.0000	0.0021	0.0020
Backbone Infrastructure Total	**0.0278**	**0.2217**	**0.2773**	**0.0005**	**0.0136**	**0.0125**
Building Construction						
Aerial Lift	0.0010	0.0285	0.0167	0.0000	0.0004	0.0003
Air Compressors	0.0084	0.0635	0.0584	0.0001	0.0038	0.0038
Cement and Mortar Mixers	0.0015	0.0080	0.0096	0.0000	0.0004	0.0004
Cranes	0.0059	0.0275	0.0701	0.0001	0.0029	0.0027
Excavators	0.0016	0.0212	0.0157	0.0000	0.0008	0.0007
Forklifts	0.0075	0.0614	0.0675	0.0001	0.0050	0.0046
Generator Sets	0.0156	0.1445	0.1357	0.0003	0.0077	0.0077
Off-Highway Tractors	0.0034	0.0402	0.0362	0.0001	0.0018	0.0016
Other Construction Equipment	0.0064	0.0536	0.0681	0.0001	0.0036	0.0033
Other General Industrial Equipment	0.0061	0.0517	0.0557	0.0001	0.0041	0.0037
Plate Compactors	0.0010	0.0055	0.0065	0.0000	0.0003	0.0003
Pressure Washers	0.0013	0.0044	0.0081	0.0000	0.0004	0.0004
Pumps	0.0055	0.0489	0.0459	0.0001	0.0027	0.0027
Rough Terrain Forklifts	0.0035	0.0597	0.0450	0.0001	0.0019	0.0017
Skid Steer Loaders	0.0010	0.0181	0.0138	0.0000	0.0006	0.0006
Sweepers/Scrubbers	0.0018	0.0129	0.0151	0.0000	0.0012	0.0011
Tractors/Loaders/Backhoes	0.0054	0.0593	0.0547	0.0001	0.0035	0.0032
Welders	0.0356	0.1838	0.1634	0.0003	0.0090	0.0090
Building Construction Total	**0.1125**	**0.8927**	**0.8862**	**0.0014**	**0.0498**	**0.0478**
Paving						
Cement and Mortar Mixers	0.0003	0.0015	0.0018	0.0000	0.0001	0.0001
Crawler Tractors	0.0116	0.0500	0.1490	0.0002	0.0056	0.0052
Dumpers/Tenders	0.0004	0.0013	0.0023	0.0000	0.0001	0.0001
Graders	0.0024	0.0092	0.0329	0.0000	0.0011	0.0010
Off-Highway Tractors	0.0007	0.0077	0.0070	0.0000	0.0003	0.0003
Off-Highway Trucks	0.0017	0.0095	0.0158	0.0000	0.0006	0.0005
Other Construction Equipment	0.0025	0.0206	0.0262	0.0000	0.0014	0.0013
Pavers	0.0013	0.0145	0.0141	0.0000	0.0007	0.0006
Paving Equipment	0.0021	0.0253	0.0214	0.0000	0.0011	0.0010
Plate Compactors	0.0002	0.0011	0.0013	0.0000	0.0000	0.0000
Rollers	0.0010	0.0095	0.0104	0.0000	0.0007	0.0006
Rubber Tired Dozers	0.0027	0.0103	0.0283	0.0000	0.0014	0.0013
Rubber Tired Loaders	0.0019	0.0082	0.0220	0.0000	0.0007	0.0007
Paving Total	**0.0287**	**0.1687**	**0.3325**	**0.0004**	**0.0137**	**0.0127**

Product Delivery Trucks/Employee Vehicle On-Site Emissions

Product Delivery Truck Activity

Haul Truck Type	Average Daily Truck Trips (trucks/day)	Maximum Daily Truck Trips (trucks/day)	Unloaded Truck Weight (tons)	Loaded Truck Weight (tons)	Avg Truck Weight (tons)	Delivery Days (days/year)	Truck Idling Time (min/truck)	Total Travel Distance (miles)
Phase 1								
Equipment/Plant Deliveries	20	20	12	38	25	260	5	2
Phase 2 and Phase 3								
Quarry Production								
Aggregate Rock Sales Product Truck	68	112	12	40	26	305	5	0.73
Asphalt Product Truck	37	74	12	39	25.5	305	5	0.6
Concrete Product Truck	119	179	12	32	22	305	5	0.39
CTB Product Truck	8	37	12	39	25.5	305	5	0.77
Sand Import								
Concrete Product Truck	14	14	12	39	25.5	305	5	0.39
Asphalt Product Truck	4	7	12	40	26	305	5	0.6
Cement Import								
Cement & Supp Delivery Truck	11	11	12	40	26	305	5	0.77
Oil Import								
Asphalt Oil Delivery Truck	2	4	12	40	26	305	5	0.6
Recycle								
Recycle Production	23	37	12	37	24.5	305	5	0.84
Recycle Import	28	45	12	37	24.5	305	5	0.84
Fuel Import								
Fuel Truck	1	2	12	38	25	305	5	2
Phase 4								
Landfill								
Infill Material Truck	78	130	12	37	24.5	305	5	2
Total HHD Trucks	413	672						

Number of trips based on TIS Table 5 (Darnell & Associates, 2017)

Employee Vehicles

Source	Vehicle Trips (trips/day)	Operating Days (days/year)	Vehicle Weight (tons)	Travel Distance (total miles)
Phase 1				
Construction Workers	38	260	2.38	0.5
Vendors	30	260	2.38	0.75
Phase 2, Phase 3, and Phase 4				
Processing Plant	38	305	2.38	0.25
Truck Drivers	40	305	2.38	1.5

Number of trips based on TIS Table 5 (Darnell & Associates, 2017)

Idling Tailpipe Emissions

	Emission Factors (lbs/min)						
Vehicle Type	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
T7 single construction	0.000247779	0.001393233	0.001746435	2.46942E-06	4.43893E-06	4.08382E-06	0.232952856

Idling emission factors from EMFAC2011 for operational year 2020.

Driving Tailpipe Emissions

	Emission Factors (lbs/mile)						
Vehicle Type	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Light Duty Trucks	4.03531E-05	0.002033677	0.00019656	7.74433E-06	0.000102206	4.23954E-05	0.782586757
T7 single construction	0.000939251	0.002507285	0.014251387	3.87359E-05	0.000469583	0.000321286	4.100122257

Running emission factors from EMFAC2017 for operational year 2020

Re-Entrained Dust

Source	k(PM10) (lb/VMT)	k(PM2.5) (lb/VMT)	sL (g/m^2)	W (tons)	PM10 Emissions (lbs/VMT)	PM2.5 Emissions (lbs/VMT)	Precipitation (days)	Control Efficiency (%)	PM10 EF (lbs/VMT)	PM2.5 EF (lbs/VMT)
Phase 1										
Equipment/Plant Deliveries	0.0022	0.00054	0.22	25	0.001478857	0.000362992	42	90%	4.12847E-06	1.55875E-06
Light Duty Trucks	0.0022	0.00054	0.22	2.38	0.000134318	3.29691E-05	42	90%	3.74972E-07	1.41575E-07
Phase 2 and Phase 3										
Quarry Production										
Aggregate Rock Sales Product Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
Asphalt Product Truck	0.0022	0.00054	0.22	25.5	0.001509031	0.000370399	42	90%	4.21271E-06	1.59056E-06
Concrete Product Truck	0.0022	0.00054	0.22	22	0.001298071	0.000318617	42	90%	3.62378E-06	1.3682E-06
CTB Product Truck	0.0022	0.00054	0.22	25.5	0.001509031	0.000370399	42	90%	4.21271E-06	1.59056E-06
Light Duty Trucks	0.0022	0.00054	0.22	2.38	0.000134318	3.29691E-05	42	90%	3.74972E-07	1.41575E-07
Sand Import										
Concrete Product Truck	0.0022	0.00054	0.22	25.5	0.001509031	0.000370399	42	90%	4.21271E-06	1.59056E-06
Asphalt Product Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
Cement Import										
Cement & Supp Delivery Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
Oil Import										
Asphalt Oil Delivery Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
Recycle										
Recycle Production	0.0022	0.00054	0.22	24.5	0.001448694	0.000355589	42	90%	4.04427E-06	1.52696E-06
Recycle Import	0.0022	0.00054	0.22	24.5	0.001448694	0.000355589	42	90%	4.04427E-06	1.52696E-06
Fuel Import										
Fuel Truck	0.0022	0.00054	0.22	25	0.001478857	0.000362992	42	90%	4.12847E-06	1.55875E-06
Phase 4										
Landfill										
Infill Material Truck	0.0022	0.00054	0.22	24.5	0.001448694	0.000355589	42	90%	4.04427E-06	1.52696E-06
Light Duty Trucks	0.0022	0.00054	0.22	2.38	0.000134318	3.29691E-05	42	90%	3.74972E-07	1.41575E-07

Particle size multiplier (k) is based on values for PM10 and PM2.5 shown in January 2011 AP-42 Section 13.2.1, Table 13.1.1-1.
Silt loading (sL) value is based on SCAQMD CEQA Air Quality Handbook page A9-96.
Based on January 2011 AP-42 Section 13.2.1.3, predictive emission factor equation.
Number of wet days with precipitation of at least 0.254 mm (0.01in), average 42 days per year in San Diego County from http://www.met.utah.edu/jhorel/html/wx/climate/days/rain.html.
SDAPCD Rule 55 requires no dirt track out on paved surface street, all roads must be swept each shift, resulting in 70% control efficiency.
Emission factors include contorl efficiency for sweeping and excludes wet days.

Daily Emissions

Vehicle Type	Emission Source	Emissions (lbs/day)						
		ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Phase 1								
Equipment/Plant Deliveries	Idling	0.024777919	0.139323277	0.174643526	0.000246942	0.000443893	0.000408382	23.29528563
	Driving	0.03757002	0.100291404	0.570055495	0.001549437	0.018783307	0.01285145	164.0048903
	Re-entrained Dust					0.000165139	6.235E-05	
Light Duty Trucks	Driving	0.001674654	0.084397585	0.008157239	0.00032139	0.004241549	0.001759409	32.47735042
	Re-entrained Dust					1.55613E-05	5.87536E-06	
Phase 1 Total		0.064022593	0.324012266	0.75285626	0.002117769	0.023649449	0.015087466	219.7775263
Phase 2 and Phase 3								
Quarry Production								
Aggregate Rock Sales Product Truck	Idling	0.138756347	0.780210352	0.978003747	0.001382876	0.002485802	0.002286937	130.4535995
	Driving	0.076793121	0.20499563	1.165193432	0.003167049	0.038393079	0.026268364	335.2259957
	Re-entrained Dust					0.000351321	0.000132645	
Asphalt Product Truck	Idling	0.091678301	0.515496125	0.646181047	0.000913686	0.001642405	0.001511012	86.19255683
	Driving	0.041702722	0.111323458	0.6327616	0.001719875	0.02084947	0.014265109	182.0454282
	Re-entrained Dust					0.000187044	7.06207E-05	
Concrete Product Truck	Idling	0.221762376	1.24694333	1.563059559	0.002210132	0.003972843	0.003655016	208.4928064
	Driving	0.065569077	0.175033573	0.994889353	0.002704155	0.032781566	0.022428993	286.2295348
	Re-entrained Dust					0.000252976	3.898E-05	
CTB Product Truck	Idling	0.04583915	0.257748063	0.323090523	0.000456843	0.000821202	0.000755506	43.09627841
	Driving	0.026759247	0.071432553	0.406022027	0.001103586	0.01337841	0.009153445	116.8124831
	Re-entrained Dust					0.00012002	4.53149E-05	
Sand Import								
Concrete Product Truck	Idling	0.017344543	0.097526294	0.122250468	0.000172859	0.000310725	0.000285867	16.30669994
	Driving	0.005128308	0.013689777	0.077812575	0.000211498	0.002563921	0.001754223	22.38666752
	Re-entrained Dust					2.30014E-05	8.68443E-06	
Asphalt Product Truck	Idling	0.008672272	0.048763147	0.061125234	8.64297E-05	0.000155363	0.000142934	8.15334997
	Driving	0.003944852	0.010530597	0.059855827	0.000162691	0.001972247	0.001349402	17.22051348
	Re-entrained Dust					1.80473E-05	6.81397E-06	
Cement Import								
Cement & Supp Delivery Truck	Idling	0.013627856	0.076627802	0.096053939	0.000135818	0.000244141	0.00022461	12.8124071
	Driving	0.007955452	0.021236705	0.120709251	0.000328093	0.003977365	0.002721295	34.72803552
	Re-entrained Dust					3.63954E-05	1.37415E-05	
Oil Import								
Asphalt Oil Delivery Truck	Idling	0.004955584	0.027864655	0.034928705	4.93884E-05	8.87786E-05	8.16763E-05	4.659057126
	Driving	0.002254201	0.006017484	0.03420333	9.29662E-05	0.001126998	0.000771087	9.840293417
	Re-entrained Dust					1.03128E-05	3.8937E-06	
Recycle								
Recycle Production	Idling	0.04583915	0.257748063	0.323090523	0.000456843	0.000821202	0.000755506	43.09627841
	Driving	0.029191906	0.077926421	0.44293312	0.001203912	0.014594629	0.009985577	127.4317998
	Re-entrained Dust					0.000125696	4.74579E-05	
Recycle Import	Idling	0.055750318	0.313477373	0.392947934	0.00055562	0.00099876	0.000918859	52.41439266
	Driving	0.035503669	0.094775377	0.538702443	0.001464218	0.017750225	0.01214462	154.9846213
	Re-entrained Dust					0.000152873	5.7719E-05	
Fuel Import								
Fuel Truck	Idling	0.002477792	0.013932328	0.017464353	2.46942E-05	4.43893E-05	4.08382E-05	2.329528563
	Driving	0.003757002	0.01002914	0.05700555	0.000154944	0.001878331	0.001285145	16.40048903
	Re-entrained Dust					1.65139E-05	6.235E-06	
Combined Phase 2 and Phase 3								
Light Duty Trucks	Driving	0.00280454	0.141340534	0.013660918	0.000538231	0.007103316	0.00294648	54.38977962
	Re-entrained Dust					2.60606E-05	9.83946E-06	
Phase 2 and Phase 3 Total		0.948067785	4.574668781	9.101945458	0.019296408	0.16927543	0.116174447	1965.702596
Phase 4								
Landfill								
Infill Material Truck	Idling	0.161056474	0.905601301	1.13518292	0.001605124	0.002885305	0.002654481	151.4193566
	Driving	0.24420513	0.651894126	3.70536072	0.01007134	0.122091492	0.083534425	1066.031787
	Re-entrained Dust					0.00105151	0.000397009	
Light Duty Trucks	Driving	0.00280454	0.141340534	0.013660918	0.000538231	0.007103316	0.00294648	54.38977962
	Re-entrained Dust					2.60606E-05	9.83946E-06	
Phase 4 Total		0.408066145	1.698835962	4.854204558	0.012214695	0.133157684	0.089542234	1271.840923

Annual Emission

Vehicle Type	Emission Source	Emissions (tons/year)						
		ROG	CO	NOX	SOX	PM10	PM2.5	CO2 (MT)
Phase 1								
Equipment/Plant Deliveries	Idling	0.003221129	0.018112026	0.022703658	3.21025E-05	5.77061E-05	5.30896E-05	2.74730986
	Driving	0.004884103	0.013037883	0.074107214	0.000201427	0.00244183	0.001670688	19.34177839
	Re-entrained Dust					2.14681E-05	8.10551E-06	
Light Duty Trucks	Driving	0.000217705	0.010971686	0.001060441	4.17807E-05	0.000551401	0.000228723	3.830188926
	Re-entrained Dust					2.02297E-06	7.63797E-07	
Phase 1 Total		0.008322937	0.042121595	0.097871314	0.00027531	0.003074428	0.001961371	25.91927718
Phase 2 and Phase 3								
Quarry Production								
Aggregate Rock Sales Product Truck	Idling	0.012847351	0.072239119	0.090552668	0.000128039	0.000230159	0.000211746	10.95753971
	Driving	0.00711022	0.018980399	0.107884428	0.000293235	0.003554788	0.002432169	28.15753781
	Re-entrained Dust					3.25286E-05	1.22815E-05	
Asphalt Product Truck	Idling	0.00699047	0.03930658	0.049271305	6.96685E-05	0.000125233	0.000115215	5.962190725
	Driving	0.003179833	0.008488414	0.048248072	0.00013114	0.001589772	0.001087715	12.5926136
	Re-entrained Dust					1.42621E-05	5.38483E-06	
Concrete Product Truck	Idling	0.022482864	0.126418459	0.15846717	0.000224069	0.000402778	0.000370555	19.17569449
	Driving	0.006647569	0.017745373	0.10086455	0.000274154	0.003323483	0.002273911	26.32536925
	Re-entrained Dust					2.56474E-05	3.95189E-06	
CTB Product Truck	Idling	0.001511453	0.00849872	0.010653255	1.50635E-05	2.70775E-05	2.49113E-05	1.289122319
	Driving	0.000882332	0.002355344	0.013387753	3.63885E-05	0.000441126	0.000301816	3.494166658
	Re-entrained Dust					3.95742E-06	1.49417E-06	
Sand Import								
Concrete Product Truck	Idling	0.002645043	0.01487276	0.018643196	2.63611E-05	4.73856E-05	4.35947E-05	2.255964058
	Driving	0.000782067	0.002087691	0.011866418	3.22535E-05	0.000390998	0.000267519	3.097102265
	Re-entrained Dust					3.50771E-06	1.32438E-06	
Asphalt Product Truck	Idling	0.000755727	0.00424936	0.005326628	7.53173E-06	1.35387E-05	1.24556E-05	0.644561159
	Driving	0.000343766	0.000917666	0.005216008	1.41773E-05	0.000171867	0.000117591	1.361363633
	Re-entrained Dust					1.57269E-06	5.93789E-07	
Cement Import								
Cement & Supp Delivery Truck	Idling	0.002078248	0.01168574	0.014648226	2.07123E-05	3.72315E-05	3.4253E-05	1.772543188
	Driving	0.001213206	0.003238597	0.018408161	5.00342E-05	0.000606548	0.000414997	4.804479154
	Re-entrained Dust					5.5503E-06	2.09558E-06	
Oil Import								
Asphalt Oil Delivery Truck	Idling	0.000377863	0.00212468	0.002663314	3.76587E-06	6.76937E-06	6.22782E-06	0.32228058
	Driving	0.000171883	0.000458833	0.002608004	7.08867E-06	8.59336E-05	5.87954E-05	0.680681816
	Re-entrained Dust					7.86347E-07	2.96894E-07	
Recycle								
Recycle Production	Idling	0.004345428	0.02443382	0.030628108	4.33075E-05	7.78478E-05	7.16199E-05	3.706226667
	Driving	0.002767314	0.007387214	0.041988863	0.000114128	0.001383531	0.000946606	10.95897724
	Re-entrained Dust					1.19156E-05	4.49888E-06	
Recycle Import	Idling	0.005290086	0.02974552	0.037286393	5.27221E-05	9.47712E-05	8.71895E-05	4.511928116
	Driving	0.003368904	0.00899313	0.051116876	0.000138938	0.001684299	0.00115239	13.3413636
	Re-entrained Dust					1.4506E-05	5.4769E-06	
Fuel Import								
Fuel Truck	Idling	0.000188932	0.00106234	0.001331657	1.88293E-06	3.38469E-06	3.11391E-06	0.16114029
	Driving	0.000286471	0.000764722	0.004346673	1.18145E-05	0.000143223	9.79923E-05	1.134469694
	Re-entrained Dust					1.25918E-06	4.75419E-07	
Combined Phase 2 and Phase 3								
Light Duty Trucks	Driving	0.000427692	0.021554431	0.00208329	8.20802E-05	0.001083256	0.000449338	7.524599606
	Re-entrained Dust					3.97424E-06	1.50052E-06	
Phase 2 and Phase 3 Total		0.086694721	0.427608911	0.827491015	0.001778556	0.015644468	0.010621096	164.2319156
Phase 4								
Landfill								
Infill Material Truck	Idling	0.014736667	0.082862519	0.103869237	0.000146869	0.000264005	0.000242885	12.56894261
	Driving	0.022344769	0.059648313	0.339040506	0.000921528	0.011171372	0.0076434	88.48863613
	Re-entrained Dust					9.62131E-05	3.63264E-05	
Light Duty Trucks	Driving	0.000427692	0.021554431	0.00208329	8.20802E-05	0.001083256	0.000449338	7.524599606
	Re-entrained Dust					3.97424E-06	1.50052E-06	
Phase 4 Total		0.037509129	0.164065263	0.444993033	0.001150477	0.01261882	0.00837345	108.5821784

Phase 1 Trip Characteristics				
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled	Working Days Per Year
Deliveries	20	40.00	800	260

Emissions are calculated using the equations described below:

For running emissions

$$Emissions_{pollutant} = VMT * EF_{pollutant}$$

Where:

$Emissions_{pollutant}$ = emissions for each pollutant

VMT = vehicle miles traveled

$EF_{pollutant}$ = emission factor for each pollutant

Other emission types are calculated from trip rates as follows

$$Emissions_{pollutant} = Trip * EF_{pollutant}$$

Where:

$Emissions_{pollutant}$ = emissions for each pollutant

Trip = number of vehicle trips

$EF_{pollutant}$ = emission factor for each pollutant

	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Grams per Trip Emission Factors						
	0.00142	0.01799	3.53695	0.00003	0.00003	0.00003
Grams per Mile Emission Factors						
	0.42604	1.13728	6.46432	0.01757	0.21300	0.11927
Total Trip Emissions (lbs/day)						
	0.0001	0.0008	0.1560	0.0000	0.0000	0.0000
Total VMT Emissions (lbs/day)						
	0.7514	2.0058	11.4011	0.0310	0.3757	0.2104
Total Delivery Truck-Related Emissions						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Pounds per Day	0.7515	2.0066	11.5571	0.0310	0.3757	0.2104
Tons per Year	0.0977	0.2609	1.5024	0.0040	0.0488	0.0273

Phase 2 Trip Characteristics			
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled
Quarry Production	401	20.00	8,020
Sand Import	21	40.00	840
Cement Import	11	40.00	440
Oil Import	4	40.00	160
Recycle	82	40.00	3,280
TOTAL	519		12,740
Working Days	260		
Annual Trips	134,940		
Annual VMT	3,312,400		

Grams per Trip Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.00142	0.01799	3.53695	0.00003	0.00003	0.00003
Grams per Mile Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.42604	1.13728	6.46432	0.01757	0.21300	0.11927
Total Trip Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.001620423	0.020580992	4.046981418	3.80078E-05	3.32237E-05	3.17865E-05
Total VMT Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	11.97	31.94	181.56	0.49	5.98	3.35
Total Delivery Truck-Related Emissions						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Pounds per Day	11.97	31.96	185.61	0.49	5.98	3.35
Tons per Year	1.56	4.16	24.13	0.06	0.78	0.44

Phase 3 Trip Characteristics			
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled
Quarry Production	401	20.00	8,020
Sand Import	21	40.00	840
Cement Import	11	40.00	440
Oil Import	4	40.00	160
Recycle	82	40.00	3,280
TOTAL	519		12,740

Working Days	260
Annual Trips	134,940
Annual VMT	3,312,400

Grams per Trip Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.00090	0.01326	4.56740	0.00002	0.00000	0.00000
Grams per Mile Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.03116	0.42997	3.25107	0.01287	0.11338	0.02397
Total Trip Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.001026797	0.015170476	5.226021948	1.9082E-05	4.38026E-06	4.19077E-06
Total VMT Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.88	12.08	91.31	0.36	3.18	0.67
Total Delivery Truck-Related Emissions						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Pounds per Day	0.88	12.09	96.54	0.36	3.18	0.67
Tons per Year	0.11	1.57	12.55	0.05	0.41	0.09

Phase 4 Trip Characteristics				
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled	Working Days Per Year
Infill Opreation	78	40.00	3,120	260

Grams per Trip Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.00090	0.01326	4.56740	0.00002	0.00000	0.00000
Grams per Mile Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.03116	0.42997	3.25107	0.01287	0.11338	0.02397
Total Trip Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.0002	0.0023	0.7854	0.0000	0.0000	0.0000
Total VMT Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.2143	2.9575	22.3622	0.0885	0.7799	0.1648
Total Delivery Truck-Related Emissions						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Pounds per Day	0.2145	2.9598	23.1476	0.0885	0.7799	0.1648
Tons per Year	0.0279	0.3848	3.0092	0.0115	0.1014	0.0214

Phase 1, 2, 3, and 4 Trip Characteristics				
Trip Purpose	Average Daily Worker Trips	Average Trip Length	Daily Vehicle Miles Traveled	Working Days Per Year
Worker Commute	78	40.00	3,120	260

Emissions are calculated using the equations described below:

For running emissions

$$Emissions_{pollutant} = VMT * EF_{pollutant}$$

Where:

$Emissions_{pollutant}$ = emissions for each pollutant

VMT = vehicle miles traveled

$EF_{pollutant}$ = emission factor for each pollutant

Other emission types are calculated from trip rates as follows

$$Emissions_{pollutant} = Trip * EF_{pollutant}$$

Where:

$Emissions_{pollutant}$ = emissions for each pollutant

Trip = number of vehicle trips

$EF_{pollutant}$ = emission factor for each pollutant

Grams per Trip Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.95650	2.89297	0.32628	0.00073	0.00188	0.00173
Grams per Mile Emission Factors						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.01830	0.92246	0.08916	0.00351	0.04636	0.01923
Total Trip Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.16448	0.49748	0.05611	0.00013	0.00032	0.00030
Total VMT Emissions (lbs/day)						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
	0.00315	0.15863	0.01533	0.00060	0.00797	0.00331
Total Worker Commute Related Emissions						
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Pounds per Day	0.17	0.66	0.07	0.00	0.01	0.00
Tons per Year	0.02	0.09	0.01	0.00	0.00	0.00

	PHASE 2 THROUGH 4 - OFFROAD EQUIPMENT REQUIREMENTS					
Off-road Equipment Type	Horsepower	Load Factors	Output (hp)	Pieces	Hrs/day	Hrs/yr
Bore/Drill Rigs	221	0.50	110.50	1	10	2,000
Generator Sets	84	0.74	62.16	1	10	2,000
Off-Highway Trucks	402	0.38	152.76	2	10	2,000
Other General Industrial Equipment	88	0.34	29.92	1	10	2,000
Rubber Tired Dozers	247	0.40	98.80	1	12	600
Rubber Tired Loaders	203	0.36	73.08	2	10	2,000
Tractors/Loaders/Backhoes	97	0.37	35.89	1	10	2,000

Note: List of equipment, horsepower ratings, and emission factors were obtained from the Air Resources Board's 2011 OFFROAD emission factor inventory.

	PHASE 2 THROUGH 4 EMISSION FACTORS (2021)								
Off-road	Emission Factors (g/hp-hr)								
Equipment Type	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$	CO_2	CH_4	N_2O
Bore/Drill Rigs	0.1320	1.0642	1.5510	0.0050	0.0470	0.0430	#######	0.1510	-
Generator Sets	0.3260	3.3610	2.8880	0.0060	0.1530	0.1530	#######	0.0290	-
Off-Highway Trucks	0.2250	1.3378	1.9536	0.0050	0.0720	0.0660	#######	0.1530	-
Other General Industrial Equipment	0.4040	3.7403	3.7177	0.0050	0.2560	0.2350	#######	0.1520	-
Rubber Tired Dozers	0.6000	2.3172	6.2962	0.0050	0.3060	0.2810	#######	0.1540	-
Rubber Tired Loaders	0.2660	1.2403	2.9977	0.0050	0.1000	0.0920	#######	0.1520	-
Tractors/Loaders/Backhoes	0.2960	3.5707	2.9950	0.0050	0.1770	0.1620	#######	0.1540	-

Note: List of equipment, horsepower ratings, and emission factors were obtained from the Air Resources Board's 2011 OFFROAD emission factor inventory.

	PHASE 2 THROUGH 4 EMISSIONS (2021)									
Off-road	Emissions (lbs/day)									
Equipment Type	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$	CO_2	CH_4	N_2O	CO_2e
Bore/Drill Rigs	0.31	2.46	3.59	0.01	0.11	0.10	1,083.08	0.35	-	1,090.41
Generator Sets	0.45	4.61	3.96	0.01	0.21	0.21	778.79	0.04	-	779.63
Off-Highway Trucks	1.44	8.56	12.50	0.03	0.46	0.42	3,036.49	0.98	-	3,057.05
Other General Industrial Equipment	0.25	2.34	2.33	0.00	0.16	0.15	294.52	0.10	-	296.52
Rubber Tired Dozers	1.57	6.06	16.46	0.01	0.80	0.73	1,241.03	0.40	-	1,249.48
Rubber Tired Loaders	0.81	3.80	9.18	0.02	0.31	0.28	1,437.41	0.47	-	1,447.18
Tractors/Loaders/Backhoes	0.22	2.68	2.25	0.00	0.13	0.12	357.32	0.12	-	359.75
Total	**5.05**	**30.51**	**50.26**	**0.09**	**2.18**	**2.02**	**8,228.65**	**2.45**	**-**	**8,280.04**

	PHASE 2 THROUGH 4 EMISSIONS (2021)									
Off-road	Emissions (tons/year)						(metric tons/year)			
Equipment Type	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$	CO_2	CH_4	N_2O	CO_2e
Bore/Drill Rigs	0.03	0.26	0.38	0.00	0.01	0.01	103.43	0.03	-	104.13
Generator Sets	0.04	0.46	0.40	0.00	0.02	0.02	70.65	0.00	-	70.73
Off-Highway Trucks	0.15	0.90	1.32	0.00	0.05	0.04	289.96	0.09	-	291.93
Other General Industrial Equipment	0.03	0.25	0.25	0.00	0.02	0.02	28.12	0.01	-	28.32
Rubber Tired Dozers	0.04	0.15	0.41	0.00	0.02	0.02	28.15	0.01	-	28.34
Rubber Tired Loaders	0.09	0.40	0.97	0.00	0.03	0.03	137.26	0.04	-	138.20
Tractors/Loaders/Backhoes	0.02	0.28	0.24	0.00	0.01	0.01	34.12	0.01	-	34.35
Total	**0.40**	**2.70**	**3.95**	**0.01**	**0.16**	**0.15**	**691.70**	**0.2042**	**-**	**695.98**

Bulldozing, Overburden, and Wind Erosion - Fugitive PM Emissions

Bulldozing and Overburden - Partulcate Matter Emissions

ID	Source	hrs/day	hrs/year	s%	M%	PM10 Scale	PM2.5 Scale	PM10 EF (lb/hr)	PM2.5 EF (lb/hr)	PM10 Emissions		PM2.5 Emissions	
										lb/day	TPY	lb/day	TPY
DZ-1	Bulldozer - Excavation and Overburden	12	600	6.9	7.9	0.75	0.105	0.753	0.414	9.03	0.23	4.97	0.12
LD-1	Loader	12	600	6.9	7.9	0.75	0.105	0.753	0.414	9.03	0.23	4.97	0.12

Notes:

1. Emission Factor Source: AP-42 5th Edition Section 11.9 (Western Surface Mining) Final Section, July 1998, Tables 11.9-1 and 11.9-3.

PM10 (lb/hr) = $(1.0*s^{1.5}/M^{1.4})$*scaling factor

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.75

PM10 (lb/hr) = 0.753 lb/hr

PM2.5 (lb/hr) = $(5.7*s^{1.2}/M^{1.3})$*scaling factor

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.105

PM2.5 (lb/hr) = 0.414 lb/hr

2. SDAPCD Rule 55 requires routine watering of excavated areas
3. Silt and moisture content is geometric means for overburden reported in Table 11.9-3 of AP-42
4. Dozer emissions will be split 98% for excavation/site prep and 2% for overburden rock based on the quantity of overburden.

Portable Sand Screen in Quarry

ID	Source	Throughput per Hour		Description	Control Efficiency	Emission Multiplier	PM10 Controlled Factor (lb/ton)	PM2.5 Controlled	PM10 Emissions			PM2.5 Emissions		
									lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
SP-1	Portable Sand Screen #S-3	800		Quarry Screening	0	1	7.40E-04	5.00E-05	5.92E-01	5.92E+00	5.90E-01	4.00E-02	4.00E-01	4.00E-02

1. The emission factors for the portable sand screen are calculated using the controlled emission factor for screening provided the on-site watering control factor is applied as stated in Table 11.19.2-2 (Crushed Stone Processing and Pulverized Mineral Processing), AP-42 5th Ed., Final Section, updated August 2004. The controlled emission factors were used since carry over of the moisture rquried to obtain wet suppression in previous process steps will result in a higher moisture content of the materials being processed. The PM10 and PM2.5 emission factors for the screens are 0.00074 lbs/ton and 0.00005 lbs/ton, respectively.

Wint Erosion of Exposed Active Areas - Particulate Matter Emissions

ID	Source	PM10 EF (ton/acre/year)	PM2.5 EF (ton/acre/year)	Control Method	Control Efficiency	Exp Area Acres	PM10 Emissions			PM2.5 Emissions		
							lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
WE-1	Exposed Active Areas	0.19	0.03	Dust Suppressant	0.84	1.04	0.0066	0.17	0.166	0.001	0.03	0.005

Notes:

1. Emission factor obtained from AP-42, Table 11.9-4 for TSP. It is assumed that PM10 is 50% of TSP, so 0.38 ton/acre/yr x 50% = 0.19 ton/acre/yr
2. Since there is no PM2.5 emission factor data available from Table 11.19.2-2, the emission factor for PM10 was scaled to PM2.5, based on particle size ratio 0.053 to 0.35, as defined in AP-42 5th Edition Final Section 13.2.4, dated November 2006.
3. Control measures for open area wind erosion are designed to stablized the exposed surface. Applying dust suppressants or gravel to stablized disturbed areas after cessation of the disturbance is estimated to yield 84% control efficiency, as defined in the Western Regional Air Partnership (Wrap) Fugitive Dust handbook, Open Area Wind Blown Dust, Section 8.0, Table 8-7.
4. Exposed area is assumed to be the proposed aggregate processing area, but not the drilling and blasting area consisting of rock surface. Exposed areas are assumed to be the area of the pit that are exposed over a two-week duration, where topsoils are removed and drilling and blasting occur. Since 10,800 sq ft (0.23 acres) are disturbed for each blast and there are about 1 blast per week (~50 blasts per year), then 1.04 acres is assumed to be disturbed at any given time during the two weeks period. Areas that are not disturbed consist of hard rock and have negligible potential for wind erosion.

Bulldozing Operations - Toxic Particulate Emissions

Source ID	Source	hr/day	hr/yr	s%	M%	AB2588 Toxic Air Contaminant	Ci (lbs/lb)	EF[2] (lbs/hr)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
DZ1	Bulldozer - excavation & overburden	10	600	6.9	7.9	Arsenic	1.70E-05	1.28E-05	1.28E-05	1.28E-04	3.84E-06
						Beryllium	1.00E-06	7.53E-07	7.53E-07	7.53E-06	2.26E-07
						Cadmium	1.00E-06	7.53E-07	7.53E-07	7.53E-06	2.26E-07
						Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Chromium	4.60E-05	3.46E-05	3.46E-05	3.46E-04	1.04E-05
						Copper	2.60E-05	1.96E-05	1.96E-05	1.96E-04	5.87E-06
						Lead	2.20E-05	1.66E-05	1.66E-05	1.66E-04	4.97E-06
						Manganese	4.25E-04	3.20E-04	3.20E-04	3.20E-03	9.60E-05
						Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Nickel	4.70E-05	3.54E-05	3.54E-05	3.54E-04	1.06E-05
						Selenium	1.00E-06	7.53E-07	7.53E-07	7.53E-06	2.26E-07

Notes:

1. Emission Factor Source: AP-42 5th Edition Section 11.9 (Western Surface Mining) Final Section, July 1998, Tables 11.9-1 and 11.9-3.

PM10 (lb/hr) = $(1.0*s^{1.5}/M^{1.4})$*scaling factor

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.75

PM10 (lb/hr) = 0.753 lb/hr

2. The following methods are used by the San Diego Air Pollution Control District to estimate emissions from "Quarry Operations", modified September 1, 1998. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Quarry Operations, Dozer Mining", updated August 25, 1999.

Toxic Eh = PM10EF x Ci

Where:

Ci = Concentration of each listed toxic substance in bulldozer particulate (lbs/lb)

Example Calculation:

Arsenic Eh (lb/hr) = 0.753 (lb/hr) x 1.70E-05 (lb/lb)

1.28E-05 lb/hr

Wind Erosion of Exposed Active Areas - Particulate Matter Emissions

Source ID	Source	PM10 EF[1] (t/ac/yr)	Control Method	Control Efficiency[2]	Exp Area[3] (acres)	AB2588 Toxic Air Contaminant	Ci (lbs/lb)	EF[2] (t/ac/yr)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
WE1	Exposed Active Areas	0.19	Dust Suppressants	0.84	1.04	Arsenic	1.70E-05	3.23E-06	1.23E-07	2.95E-06	5.37E-07
						Beryllium	1.00E-06	1.90E-07	7.22E-09	1.73E-07	3.16E-08
						Cadmium	1.00E-06	1.90E-07	7.22E-09	1.73E-07	3.16E-08
						Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Chromium	4.60E-05	8.74E-06	3.32E-07	7.97E-06	1.45E-06
						Copper	2.60E-05	4.94E-06	1.88E-07	4.50E-06	8.22E-07
						Lead	2.20E-05	4.18E-06	1.59E-07	3.81E-06	6.96E-07
						Manganese	4.25E-04	8.08E-05	3.07E-06	7.36E-05	1.34E-05
						Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Nickel	4.70E-05	8.93E-06	3.39E-07	8.14E-06	1.49E-06
						Selenium	1.00E-06	1.90E-07	7.22E-09	1.73E-07	3.16E-08

Notes:

1. Emission factor obtained from AP-42, Table 11.9-4, for TSP. It is assumed that PM10 is 50% of TSP, so 0.38 T/acre/yr x 50% = 0.19 T/acre/yr.

2. Control measures for open area wind erosion are designed to stabilize the exposed surface. Applying dust suppressants or gravel tostabilize disturbed areas after cessation of the disturbance is estimated to yield 84% control efficiency, as defined in the Western RegionalAir Partnership (WRAP) Fugitive Dust Handbook, Open Area Wind Blown Dust, Section 8.0, Table 8-7.

3. Exposed area is assumed to be the proposed aggregate processing area, but not the drilling and blasting area consisting of rock surface. Exposed areas are assumed to be the areas of the pit that are exposed over a two-week duration, where topsoils are removed and drilling and blasting occur, as well asberms and benchs prior to stablization. Since 3,600 ft2 (0.083 acres) are disturbed for each blast and there are 25 blasts per month, then 1.04 acres is assumed to bedisturbed at any given time during the two week period. Areas that are not disturbed consist of hard rock and have negligible potential for wind erosion.

4. Toxic air contaminant emissions are defined in the San Diego Air Pollution Control District to estimate emissions from "Quarry Operations", modified September 1, 1998. Winderosion emissions are assumed similar to dozer emissions, therefore the trace metal values were obtained from San Diego Air Pollution Control District Emission FactorGuidance, "Quarry Operations, Dozer Mining", updated August 25, 1999.

Toxic Eh = PM10EF x Ci

Where:

Ci = Concentration of each listed toxic substance in bulldozer particulate (lbs/lb)

Example Calculation:

Arsenic EF (lb/hr) = 0.19 (t/ac/yr) x 1.70E-05 (lb/lb)

3.23E-06 t/ac/yr

Bulldozing Operations - Crystalline Silica Emissions

Particulate Emission Factors

ID	Source	hrs/day	hrs/year	s%	M%	PM10 Scale	PM2.5 Scale	PM10 EF (lb/hr)	PM2.5 EF (lb/hr)	PM4 EF (lb/hr)	Cr. Silica EF (lb/hr)
DZ-1	Bulldozer - Excavation and Overburden	10	600	6.9	7.9	0.75	0.105	0.753	0.414	0.482	0.049
LD-1	Loader	10	600	6.9	7.9	0.75	0.105	0.753	0.414	0.482	0.049

Notes:

1. Emission Factor Source: AP-42 5th Edition Section 11.9 (Western Surface Mining) Final Section, July 1998, Tables 11.9-1 and 11.9-3.

PM10 (lb/hr) = $(1.0*s^{1.5}/M^{1.4})$*scaling factor

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.75

PM10 (lb/hr) = 0.753 lb/hr

PM2.5 (lb/hr) = $(5.7*s^{1.2}/M^{1.3})$*scaling factor

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.105

PM2.5 (lb/hr) = 0.414 lb/hr

2. SDAPCD Rule 55 requires routine watering of excavated areas

3. Silt and moisture content is geometric means for overburden reported in Table 11.9-3 of AP-42

4. There are no published emission factors for PM4 provided in AP-42 5th Ed., Section 11.9. Initially, the PM10 scaling factor was used and scaled to PM4 using the ratio 0.14/0.35; however, this resulted in a PM4 emission factor that falls outside the range of PM10 and PM2.5 emission factors. Finally, linear interpolation between the two emission factors was used to obtain a PM4 emission factor as follows:

(PM10 EF - PM2.5 EF) / (10 - 2.5) = (PM10 EF - PM4 EF) / (10 - 4)

Solving for PM4 EF = -((PM10 EF - PM2.5 EF) / (7.5 * 6)) - PM10 EF

PM4 EF = 0.482 lb/hr

5. In a recent study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results at Liberty Quarry indicate 23% crystalline silica. Therefore, crystalline silica emission factors were calculated based on site-specific testing data and are estimated at 10.1% (0.44 x 0.23 = 0.101) of the PM4 emissions.

ID	Source	PM10 Emissions		PM2.5 Emissions		PM4 Emissions		Crystalline Silica Emissions	
		lb/day	TPY	lb/day	TPY	lb/day	TPY	lb/day	TPY
DZ-1	Bulldozer - Excavation and Overburden[6]	7.53	0.23	4.14	0.12	4.82	0.14	0.49	0.01
LD-1	Loader	7.53	0.23	4.14	0.12	4.82	0.14	0.49	0.01

Example Calculation: Dozer PM10 = 10 hrs/day x 0.753 lb/hr = 7.53 lb/day

6. Dozer emissions will be split 98% for Excavation/Site Prep and 2% for overburden rock based on the quantity of overburden (49,800 cu yd x 1.8 ton/yd = 89,640 tons per year moved = 89,640/5,000,000 = 1.8% ot total material handled in the mine).

Wind Erosion of Exposed Active Areas - Particulate Matter Emissions

ID	Source	PM10 EF[1] (t/ac/yr)	PM2.5 EF[2] (t/ac/yr)	PM4 EF[2] (t/ac/yr)	Control Method	Control Efficiency[3]	Exp Area[4] (ac)	PM10 Emissions			PM2.5 Emissions			PM4 Emissions			Crystalline Silica Emissions		
								lb/hr	lb/day	TPY	lb/hr	lb/day	TPY	lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
WE1	Exposed Active Areas	0.19	0.03	0.08	Dust Suppressants	84%	1.04	0.007	0.173	0.032	0.001	0.027	0.005	0.003	0.073	0.013	0.000	0.007	0.001

Notes:

1. Emission factor obtained from AP-42, Table 11.9-4, for TSP. It is assumed that PM10 is 50% of TSP, so 0.38 T/acre/yr x 50% = 0.19 T/acre/yr.

2. Since there is no PM2.5 emission factor data available from Table 11.19.2-2, the emission factor for PM10 was scaled to PM2.5, based on particle size ratio 0.053 to 0.35, as defined in AP-42 5th Ed., Final Section 13.2.4, dated November 2006.

3. Control measures for open area wind erosion are designed to stabilize the exposed surface. Applying dust suppressants or gravel tostabilize disturbed areas after cessation of the disturbance is estimated to yield 84% control efficiency, as defined in the Western RegionalAir Partnership (WRAP) Fugitive Dust Handbook, Open Area Wind Blown Dust, Section 8.0, Table 8-7.

4. Exposed area is assumed to be the proposed aggregate processing area, but not the drilling and blasting area consisting of rock surface. Exposed areas are assumed to be the areas of the pit that are exposed over a two-week duration, where topsoils are removed and drilling and blasting occur, as well as berms and benchs prior to stablization. Since 3,600 ft2 (0.083 acres) are disturbed for each blast and there are 25 blasts per month, then 1.04 acres is assumed to be disturbed at any given time during the two week period. Areas that are not disturbed consist of hard rock and have negligible potential for wind erosion.

5. Since there was no data for PM4, the emission factor for PM10 was used and scaled to PM4 with the ratio 0.14/0.35, using linear interpolation from PM2.5 and PM5 k values, provided in AP-42, Section 13.2.4, dated November 2006. In a recent study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results at Liberty Quarry indicate 23% crystalline silica. Therefore, crystalline silica emission factors were calculated based on site-specific testing data and are estimated at 10.1% (0.44 x 0.23 = 0.101) of the PM4 emissions.

Drilling and Blasting - Parameters

ID	Source	Area (ft2)	holes/blast	Blast Frequency			Tons
				blasts/day	blasts/month	blasts/year	ANFO/Blast
B-1	Blasting Activity	10,800	90	1	4	50	5

Blasting Dust - Emission Factors

ID	Source	Drilling (lb/hole)[1, 2]		Blasting (lb/blast)[3]	
		PM_{10}	$PM_{2.5}$	PM_{10}	$PM_{2.5}$
B-1	Blasting	-	-	8.171	0.471
D-1	Drilling	0.169	0.031	-	-

Notes:

1. Emissions Factor Source: AP-42 5th Edition, Section 11.9, Table 11.9-4, October 1998. Assumes 75% Control Efficiency based on drill rotoclone or similar dust shroud device (estimated to be between 63% and 88%, midpoint assumed).
PM10 = TSPx0.52x(1-75%) = 1.3 lbs/hole x 0.52 x 0.25 = 0.169 lb/hole.

2. Emissions factor for PM2.5 is calculated based on a similar mechanical process for aggreagte roock crushing. The emission factors for tertiary rock crushing will be used, based on AP-42 11.19.2, Table 11.19.2-2, Final Section, updated August 2004. The tertiary crushing emission factor for PM10 is 0.00054 lb/ton and the emissions factor for PM2.5 us 0.00010 lb/ton. The ratio of PM2.5 to PM10 is 0.00010/0.00054 = 0.185. Since the PM10 emission

3. AP-42 5th Edition, Section 11.9, Table 11.9-1:

PM_{10} EF = $0.000014(A)^{1.5}(0.52)$, where A = horizontal area in ft^2 with a scaling factor for $\leq$10um of 0.52

$PM_{2.5}$ EF = $0.000014(A)^{1.5}(0.03)$, where A = horizontal area in ft^2 with a scaling factor for $\leq$2.5um of 0.03

4. Drill goes 40 feet deep. Total of 3,000 ft drilling (for 90 holes). Assumes up to 1,000 ft/day drilling

Blasting Dust - Emission Rates

ID	Source	PM10 Emissions		PM2.5 Emissions	
		lb/day	TPY	lb/day	TPY
B-1	Blasting	8.1708	0.20427114	0.4714	0.0118
D-1	Drilling	4.2250	0.38025	2.8139	0.0703
	Total	12.3958	0.5845	3.2852	0.0821

Blasting Gases - ANFO Emission Factors

ID	Source	Pounds of Pollutant per Ton ANFO[1]					
		CO	NO_X	SO_X	CO_2	CH_4	N_2O
B-1	Blasting Activity	67	17	2	566	0.02	0.005

Notes:

1. Emission Factor Source: AP-42 5th Edition, Section 13.3, Table 13.3-1, February 1980.

Blasting Gases - ANFO Emission Rates Criteria Pollutants

ID	Emissions	CO Emissions		NO_X Emissions		SO_X Emissions	
		lb/day	TPY	lb/day	TPY	lb/day	TPY
B-1	Blasting Activity	335.00	8.38	85.00	2.125	10	0.25

Blasting Gases - ANFO Emission Rates Greenhouse Gases

ID	Emissions	Metric Tons per Year			
		CO_2	CH_4	N_2O	CO_2e
B-1	Blasting Activity	64.18	0.00227	0.00057	64.41

Drilling and Blasting Toxic Air Contaminants

ID	Source	holes/blast	Blast Frequency			Tons ANFO/Blast
			blasts/day	blasts/month	blasts/year	
B1	Blasting Activity	90	1	25	50	5

Dust - PM10

ID	Source	Area (sqft)	PM10 EF Drilling[1] (lb/hole)	Drilling Control Efficiency[2] (%)	PM10 EF Blasting[3] (lb/blast)
B1	Blasting	10800	0	0	8.170845762
Drill1	Drilling4	10800	0.65	75%	0

Notes:

1. Emission Factor Source: AP-42 5th Ed., Section 11.9.2, Table 11.9-4, October 1998. Assumes TSP/PM10 = 2.
2. Control efficiency estimated to be between 63% and 88%, based on drill rotoclone or similar dust shroud device. Assumed midpoint of range reported.
3. AP-42 5th Ed., Section 11.9.2, Table 11.9-1, Also Ref. Appendix E.2 of Background document to AP-42 5th Ed, Section 11.9. PM10 EF = 0.000014(A)1.5(0.52) , where A = horizontal area in ft2 with a scaling factor for <10um of 0.52

ID	Source	Area (sqft)	AB2588 Toxic Air Contaminant	Ci (lbs/lb)	EF[1] (lbs/blast) or (lb/hole)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
B1	Blasting	10,800	Arsenic	1.50E-05	1.23E-04	1.23E-04	1.23E-04	3.06E-06
			Beryllium	1.00E-06	8.17E-06	8.17E-06	8.17E-06	2.04E-07
			Cadmium	1.00E-06	8.17E-06	8.17E-06	8.17E-06	2.04E-07
			Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Chromium	4.60E-05	3.76E-04	3.76E-04	3.76E-04	9.40E-06
			Copper	9.40E-05	7.68E-04	7.68E-04	7.68E-04	1.92E-05
			Lead	3.00E-05	2.45E-04	2.45E-04	2.45E-04	6.13E-06
			Manganese	5.65E-04	4.62E-03	4.62E-03	4.62E-03	1.15E-04
			Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Nickle	3.00E-05	2.45E-04	2.45E-04	2.45E-04	6.13E-06
			Selenium	1.00E-06	8.17E-06	8.17E-06	8.17E-06	2.04E-07
Drill1	Drilling[2]	10,800	Arsenic	1.50E-05	9.75E-06	2.44E-06	1.60E-05	5.48E-06
			Beryllium	1.00E-06	6.50E-07	1.63E-07	1.07E-06	3.66E-07
			Cadmium	1.00E-06	6.50E-07	1.63E-07	1.07E-06	3.66E-07
			Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Chromium	4.60E-05	2.99E-05	7.48E-06	4.90E-05	1.68E-05
			Copper	9.40E-05	6.11E-05	1.53E-05	1.00E-04	3.44E-05
			Lead	3.00E-05	1.95E-05	4.88E-06	3.20E-05	1.10E-05
			Manganese	5.65E-04	3.67E-04	9.18E-05	6.02E-04	2.07E-04
			Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Nickle	3.00E-05	1.95E-05	4.88E-06	3.20E-05	1.10E-05
			Selenium	1.00E-06	6.50E-07	1.63E-07	1.07E-06	3.66E-07

Notes:

1. Calculation procedures to estimate Drilling and Blasting toxic emissions is based on AP-42 5th Ed., Section 11.9.2 , Table 11.9-4 and Table 11.9-1, October 1998. Assumes TSP/PM10 = 2. Also Ref. Appendix E.2 of Background document to AP-42 5th Ed, Section 11.9. This equation has been modified by the San Diego Air Pollution Control District to incorporate toxic emissions, based on trace metal concentrations in Drilling and Blasting operations at Mineral Industry sites, based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996.
2. Daily drilling emissions based on ability to drill one hole per hour per drill rig for 6.56 hour sper day with two drill rigs.

Drilling and Blasting Crystalline Silica

ID	Source	holes/blast	Blast Frequency blasts/day	blasts/month	blasts/year	Tons ANFO/Blast
B1	Blasting Activity	90	1	25	50	5

ID	Source	Area (sqft)	PM10 EF Drilling[1] (lb/hole)	PM2.5 EF Drilling[2] (lb/hole)	PM4 EF Drilling[6] (lb/hole)	Drilling Control Efficiency[3] (%)	PM10 EF Blasting[4] (lb/blast)	PM2.5 EF Blasting[4] (lb/blast)	PM4 EF Blasting[6] (lb/blast)	PM10 Emissions (lb/hr)	(lb/day)	(TPY)	PM2.5 Emissions (lb/hr)	(lb/day)	(TPY)	PM4 Emissions (lb/hr)	(lb/day)	(TPY)	Crystalline Silica Emissions (lb/hr)	(lb/day)	(TPY)
B1	Blasting	10800	-	-	-	-	8.17	0.47	2.01	8.17	8.17	0.20	0.47	0.47	0.01	2.01	2.01	0.05	0.20	0.20	0.01
Drill1	Drilling[5]	10800	0.65	0.12	0.26	0.75	-	-	-	0.16	1.07	0.37	0.03	0.20	0.07	0.07	0.43	0.15	0.01	0.04	0.01
									Total	8.33	9.24	0.57	0.50	0.67	0.08	2.08	2.44	0.20	0.21	0.25	0.02

Notes:

1. Emission Factor Source: AP-42 5th Ed., Section 11.9.2, Table 11.9-4, October 1998. Assumes TSP/PM10 = 2.

2.Emission factor for PM2.5 is calculated based on a similar mechanical process, for aggregate rock crushing. The emission factors for tertiary rock crushing will be used, based on AP-42 11.19.2, Table 11.19.2-2, Final Section, updated August 2004. The tertiary crushing emission factor for PM10 is 0.00054 lb/ton and the emission factor for PM2.5 is 0.00010 lb/ton. The ratio of PM2.5 to PM10 is 0.00010/0.00054 = 0.185. Since the PM10 emission factor is estimated to be 0.65 lb/hole (see note 1), the emission factor for PM2.5 is estimated to be 0.65 lb/hole x 0.185 = 0.12 lb/hole.

3. Control efficiency estimated to be between 63% and 88%, based on drill rotoclone or similar dust shroud device. Assumed midpoint of range reported.

4. AP-42 5th Ed., Section 11.9.2, Table 11.9-1, Also Ref. Appendix E.2 of Background document to AP-42 5th Ed, Section 11.9.

PM10 EF = 0.000014(A)1.5(0.52) , where A = horizontal area in ft2 with a scaling factor for <10um of 0.52

PM2.5 EF = 0.000014(A)1.5(0.03) , where A = horizontal area in ft2 with a scaling factor for <2.5um of 0.03

PM4 EF = 0.000014(A)1.5(0.128) , where A = horizontal area in ft2 with a scaling factor for <4um of 0.128 (Based on linear interpolation of PM2.5 and PM10).

5. Daily drilling emissions based on ability to drill one hole per hour per drill rig for 6.56 hour sper day with two drill rigs.

6. Since there are no emission factors for PM4 provided in AP-42 5th Ed., Section 11.9, the PM10 scaling factor was used and scaled to PM4 using the ratio 0.14/0.35.

7. In a recent study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results at Liberty Quarry indicate 23% crystalline silica. Therefore, crystalline silica emission factors were calculated based on site-specific testing data and are estimated at 10.1% (0.44 x 0.23 = 0.101) of the PM4 emissions.

SUPERIOR READY MIX - PRIMARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - PM10 EMISSIONS
800 TON/HOUR 8,000 TON/DAY 1,600,000 TON/YEAR

							PM10 Emission Factors		PM10 Emission Rates - Controlled		
ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	Uncontrolled Factor (lb/ton)	Controlled Factor (lb/ton)	lbs/hr	lbs/day	ton/year
TP-1	TRANSFER POINT # 1	800	QUARRY TRUCK TO FEEDER	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.80E-01	2.80E+00	2.80E-01
TP-2	TRANSFER POINT # 2	300	GRIZZLY TO CONV. #1	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	1.05E-01	1.05E+00	1.05E-01
TP-3	TRANSFER POINT # 3	800	CONV. #1 TO CONV. #2	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.80E-01	2.80E+00	2.80E-01
TP-4	TRANSFER POINT # 4	700	CONV. #3 TO CONV. #4	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-5	TRANSFER POINT # 5	700	CONV. #4 TO CONV. #5	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-6	TRANSFER POINT # 6	100	CONV. #6 TO CONV. #7	WET	0%	1	4.80E-05	4.80E-05	4.80E-03	4.80E-02	4.80E-03
TP-7	TRANSFER POINT # 7	100	CONV. #7 TO CONV. #8	WET	0%	1	4.80E-05	4.80E-05	4.80E-03	4.80E-02	4.80E-03
	SUBTOTAL TRANSFER								**1.16E+00**	**1.16E+01**	**1.16E+00**
CR-1	JAW CRUSHER	500	PRIMARY CRUSHING	DRY	0	1	7.00E-04	7.00E-04	3.50E-01	3.50E+00	3.50E-01
CR-2	CONE CRUSHER #1	500	PROCESS CRUSHING	DRY, WITH BAGHOUSE	95%	0.05	2.40E-03	1.20E-04	6.00E-02	6.00E-01	6.00E-02
	SUBTOTAL CRUSHING								**4.10E-01**	**4.10E+00**	**4.10E-01**
SC-1	TRIPLE DECK SCREEN #1	800	PROCESS SCREENING	WET	0	1	8.40E-04	8.40E-04	6.72E-01	6.72E+00	6.72E-01
	SUBTOTAL SCREENING								**6.72E-01**	**6.72E+00**	**6.72E-01**
TOTAL EMISSIONS PRIMARY PLANT									**2.25E+00**	**2.25E+01**	**2.25E+00**

SUPERIOR READY MIX - SECONDARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - PM10 EMISSIONS
700 TON/HOUR 7,000 TON/DAY 1,400,000 TON/YEAR

							PM10 Emission Factors		PM10 Emission Rates - Controlled		
ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	Uncontrolled Factor (lb/ton)	Controlled Factor (lb/ton)	lbs/hr	lbs/day	ton/year
TP-8	TRANSFER POINT # 8	700	BELT FEEDERS TO CONV. # 9	DRY, WATER SPRAY,TUNNEL	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-9	TRANSFER POINT # 9	700	CONV. # 9 TO CONV. # 10	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-10	TRANSFER POINT # 10	200	CONV. # 11 TO SURGE BIN	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-11	TRANSFER POINT # 11	200	CONV. # 12 TO CONV. # 10	WET	0%	1	4.80E-05	4.80E-05	9.60E-03	9.60E-02	9.60E-03
TP-12	TRANSFER POINT # 12	700	CONV. # 13 TO CONV. # 14	WET	0%	1	4.80E-05	4.80E-05	3.36E-02	3.36E-01	3.36E-02
TP-13	TRANSFER POINT # 13	700	CONV. # 14 TO FEED BINS	WET	0%	1	4.80E-05	4.80E-05	3.36E-02	3.36E-01	3.36E-02
TP-14	TRANSFER POINT # 14	400	FEED BIN #1 TO CONV #15	WET	0%	1	4.80E-05	4.80E-05	1.92E-02	1.92E-01	1.92E-02
TP-15	TRANSFER POINT # 15	400	FEED BIN #2 TO CONV #16	WET	0%	1	4.80E-05	4.80E-05	1.92E-02	1.92E-01	1.92E-02
TP-16	TRANSFER POINT # 16	800	CONV. # 17 TO CONV. # 18	WET	0%	1	4.80E-05	4.80E-05	3.84E-02	3.84E-01	3.84E-02
TP-17	TRANSFER POINT # 17	500	CONV. # 20TO CONV. # 29	WET	0%	1	4.80E-05	4.80E-05	2.40E-02	2.40E-01	2.40E-02
TP-18	TRANSFER POINT # 18	175	CONV. # 21 TO CONV. # 22	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	6.13E-02	6.13E-01	6.13E-02
TP-19	TRANSFER POINT # 19	175	CONV # 22 TO CONV # 23	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	6.13E-02	6.13E-01	6.13E-02
TP-20	TRANSFER POINT # 20	0	CONV. # 26 TO CONV #13	WET	0%	1	4.80E-05	4.80E-05	0.00E+00	0.00E+00	0.00E+00
TP-21	TRANSFER POINT # 21	100	CONV. # 27 TO CONV #28	WET	0%	1	4.80E-05	4.80E-05	4.80E-03	4.80E-02	4.80E-03
TP-22	TRANSFER POINT # 22	100	CONV. #30 TO CONV #31	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-23	TRANSFER POINT # 23	100	CONV. #31 TO FEED BINS	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	SUBTOTAL TRANSFER								**7.95E-01**	**7.95E+00**	**7.95E-01**
CR-3	CONE CRUSHER #2	200	PROCESS CRUSHING	WET	0	1	5.90E-04	5.90E-04	1.18E-01	1.18E+00	1.18E-01
CR-4	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	1.50E-02	3.75E-04	1.50E-01	1.50E+00	1.50E-01
CR-5	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	1.50E-02	3.75E-04	1.50E-01	1.50E+00	1.50E-01
	SUBTOTAL CRUSHING								**4.18E-01**	**4.18E+00**	**4.18E-01**
SC-2	TRIPLE DECK SCREEN #2	700	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-3	DOUBLE DECK SCREEN #3	200	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-4	TRIPLE DECK SCREEN #4	800	PROCESS SCREENING	WET	0	1	8.40E-04	8.40E-04	6.72E-01	6.72E+00	6.72E-01
SC-5	DOUBLE DECK SCREEN #5	175	FINES SCREENING	WET	0	1	2.10E-03	2.10E-03	3.68E-01	3.68E+00	3.68E-01
SC-6	TRIPLE DECK SCREEN #6	500	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-7	SINGLE DECK SCREEN #7	250	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	SUBTOTAL SCREENING								**1.04E+00**	**1.04E+01**	**1.04E+00**
TOTAL EMISSIONS SECONDARY PLANT									**2.25E+00**	**2.25E+01**	**2.25E+00**
TOTAL ROCK PLANT EMISSIONS									**4.50E+00**	**4.50E+01**	**4.50E+00**

SUPERIOR READY MIX - PRIMARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - PM2.5 EMISSIONS
800 TON/HOUR 8,000 TON/DAY 1,600,000 TON/YEAR

							PM2.5 Emission Factors		PM2.5 Emission Rates - Controlled		
ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	Controlled PM10 EF (lb/ton)	Ratio PM2.5/PM10	lbs/hr	lbs/day	ton/year
TP-1	TRANSFER POINT # 1	800	QUARRY TRUCK TO FEEDER	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	7.92E-02	7.92E-01	7.92E-02
TP-2	TRANSFER POINT # 2	300	GRIZZLY TO CONV. #1	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	2.97E-02	2.97E-01	2.97E-02
TP-3	TRANSFER POINT # 3	800	CONV. #1 TO CONV. #2	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	7.92E-02	7.92E-01	7.92E-02
TP-4	TRANSFER POINT # 4	700	CONV. #3 TO CONV. #4	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-5	TRANSFER POINT # 5	700	CONV. #4 TO CONV. #5	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-6	TRANSFER POINT # 6	100	CONV. #6 TO CONV. #7	WET	0%	1	4.80E-05	2.83E-01	1.36E-03	1.36E-02	1.36E-03
TP-7	TRANSFER POINT # 7	100	CONV. #7 TO CONV. #8	WET	0%	1	4.80E-05	2.83E-01	1.36E-03	1.36E-02	1.36E-03
	SUBTOTAL TRANSFER								**3.30E-01**	**3.30E+00**	**3.30E-01**
CR-1	JAW CRUSHER	500	PRIMARY CRUSHING	DRY	0	1	7.00E-04	1.85E-01	6.48E-02	6.48E-01	6.48E-02
CR-2	CONE CRUSHER #1	500	PROCESS CRUSHING	DRY, WITH BAGHOUSE	95%	0.05	1.20E-04	1.85E-01	1.11E-02	1.11E-01	1.11E-02
	SUBTOTAL CRUSHING								**7.59E-02**	**7.59E-01**	**7.59E-02**
SC-1	TRIPLE DECK SCREEN #1	800	PROCESS SCREENING	WET	0	1	8.40E-04	6.80E-02	4.57E-02	4.57E-01	4.57E-02
	SUBTOTAL SCREENING								**4.57E-02**	**4.57E-01**	**4.57E-02**
TOTAL EMISSIONS PRIMARY PLANT									**4.51E-01**	**4.51E+00**	**4.51E-01**

SUPERIOR READY MIX - SECONDARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - PM2.5 EMISSIONS
700 TON/HOUR 7,000 TON/DAY 1,400,000 TON/YEAR

							PM2.5 Emission Factors		PM2.5 Emission Rates - Controlled		
ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	Controlled PM10 EF (lb/ton)	Ratio PM2.5/PM10	lbs/hr	lbs/day	ton/year
TP-8	TRANSFER POINT # 8	700	BELT FEEDERS TO CONV. # 9	DRY, WATER SPRAY,TUNNEL	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-9	TRANSFER POINT # 9	700	CONV. # 9 TO CONV. # 10	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-10	TRANSFER POINT # 10	200	CONV. # 11 TO SURGE BIN	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00
TP-11	TRANSFER POINT # 11	200	CONV. # 12 TO CONV. # 10	WET	0%	1	4.80E-05	2.83E-01	2.72E-03	2.72E-02	2.72E-03
TP-12	TRANSFER POINT # 12	700	CONV. # 13 TO CONV. # 14	WET	0%	1	4.80E-05	2.83E-01	9.51E-03	9.51E-02	9.51E-03
TP-13	TRANSFER POINT # 13	700	CONV. # 14 TO FEED BINS	WET	0%	1	4.80E-05	2.83E-01	9.51E-03	9.51E-02	9.51E-03
TP-14	TRANSFER POINT # 14	400	FEED BIN #1 TO CONV #15	WET	0%	1	4.80E-05	2.83E-01	5.43E-03	5.43E-02	5.43E-03
TP-15	TRANSFER POINT # 15	400	FEED BIN #2 TO CONV #16	WET	0%	1	4.80E-05	2.83E-01	5.43E-03	5.43E-02	5.43E-03
TP-16	TRANSFER POINT # 16	800	CONV. # 17 TO CONV. # 18	DRY, WATER SPRAY	50%	0.5	4.80E-05	2.83E-01	1.09E-02	1.09E-01	1.09E-02
TP-17	TRANSFER POINT # 17	500	CONV. # 20TO CONV. # 29	WET	0%	1	4.80E-05	2.83E-01	6.79E-03	6.79E-02	6.79E-03
TP-18	TRANSFER POINT # 18	175	CONV. # 21 TO CONV. # 22	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	1.73E-02	1.73E-01	1.73E-02
TP-19	TRANSFER POINT # 19	175	CONV # 22 TO CONV # 23	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	1.73E-02	1.73E-01	1.73E-02
TP-20	TRANSFER POINT # 20	0	CONV. # 26 TO CONV #13	DRY, WATER SPRAY	50%	0.5	4.80E-05	2.83E-01	0.00E+00	0.00E+00	0.00E+00
TP-21	TRANSFER POINT # 21	100	CONV. # 27 TO CONV #28	WET	0%	1	4.80E-05	2.83E-01	1.36E-03	1.36E-02	1.36E-03
TP-22	TRANSFER POINT # 22	100	CONV. #30 TO CONV #31	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00
TP-23	TRANSFER POINT # 23	100	CONV. #31 TO FEED BINS	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00
	SUBTOTAL TRANSFER								**2.25E-01**	**2.25E+00**	**2.25E-01**
CR-3	CONE CRUSHER #2	200	PROCESS CRUSHING	WET	0	1	5.90E-04	1.85E-01	2.18E-02	2.18E-01	2.18E-02
CR-4	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	3.75E-04	1.85E-01	2.78E-02	2.78E-01	2.78E-02
CR-5	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	3.75E-04	1.85E-01	2.78E-02	2.78E-01	2.78E-02
	SUBTOTAL CRUSHING								**7.73E-02**	**7.73E-01**	**7.73E-02**
SC-2	TRIPLE DECK SCREEN #2	700	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
SC-3	DOUBLE DECK SCREEN #3	200	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
SC-4	TRIPLE DECK SCREEN #4	800	PROCESS SCREENING	WET	0	1	8.40E-04	6.80E-02	4.57E-02	4.57E-01	4.57E-02
SC-5	DOUBLE DECK SCREEN #5	175	FINES SCREENING	WET	0	1	2.10E-03	6.80E-02	2.50E-02	2.50E-01	2.50E-02
SC-6	TRIPLE DECK SCREEN #6	500	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
SC-7	SINGLE DECK SCREEN #7	250	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
	SUBTOTAL SCREENING								**7.07E-02**	**7.07E-01**	**7.07E-02**
TOTAL EMISSIONS SECONDARY PLANT									**3.73E-01**	**3.73E+00**	**3.73E-01**
TOTAL ROCK PLANT EMISSIONS									**8.24E-01**	**8.24E+00**	**8.24E-01**

SUPERIOR READY MIX - PRIMARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	ARSENIC		BERYLLIUM		CADMIUM		HEX-CHROMIUM		COPPER	
	22	PPM	1	PPM	1	PPM	0	PPM	37	PPM
SOURCE	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**
TP-1	1.23E-02	1.77E-07	5.60E-04	8.05E-09	5.60E-04	8.05E-09	0.00E+00	0.00E+00	2.07E-02	2.98E-07
TP-2	4.62E-03	6.65E-08	2.10E-04	3.02E-09	2.10E-04	3.02E-09	0.00E+00	0.00E+00	7.77E-03	1.12E-07
TP-3	1.23E-02	1.77E-07	5.60E-04	8.05E-09	5.60E-04	8.05E-09	0.00E+00	0.00E+00	2.07E-02	2.98E-07
TP-4	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-5	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-6	2.11E-04	3.04E-09	9.60E-06	1.38E-10	9.60E-06	1.38E-10	0.00E+00	0.00E+00	3.55E-04	5.11E-09
TP-7	2.11E-04	3.04E-09	9.60E-06	1.38E-10	9.60E-06	1.38E-10	0.00E+00	0.00E+00	3.55E-04	5.11E-09
CR-1	1.54E-02	2.22E-07	7.00E-04	1.01E-08	7.00E-04	1.01E-08	0.00E+00	0.00E+00	2.59E-02	3.73E-07
CR-2	2.64E-03	3.80E-08	1.20E-04	1.73E-09	1.20E-04	1.73E-09	0.00E+00	0.00E+00	4.44E-03	6.39E-08
SC-1	2.96E-02	4.25E-07	1.34E-03	1.93E-08	1.34E-03	1.93E-08	0.00E+00	0.00E+00	4.97E-02	7.15E-07
SUBTOTAL	**9.89E-02**		**4.49E-03**		**4.49E-03**		**0.00E+00**		**1.66E-01**	

SUPERIOR READY MIX - SECONDARY PLANT

OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	ARSENIC		BERYLLIUM		CADMIUM		HEX-CHROMIUM		COPPER	
	22	PPM	1	PPM	1	PPM	0	PPM	37	PPM
SOURCE	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**
TP-8	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-9	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-11	4.22E-04	6.08E-09	1.92E-05	2.76E-10	1.92E-05	2.76E-10	0.00E+00	0.00E+00	7.10E-04	1.02E-08
TP-12	1.48E-03	2.13E-08	6.72E-05	9.67E-10	6.72E-05	9.67E-10	0.00E+00	0.00E+00	2.49E-03	3.58E-08
TP-13	1.48E-03	2.13E-08	6.72E-05	9.67E-10	6.72E-05	9.67E-10	0.00E+00	0.00E+00	2.49E-03	3.58E-08
TP-14	8.45E-04	1.22E-08	3.84E-05	5.52E-10	3.84E-05	5.52E-10	0.00E+00	0.00E+00	1.42E-03	2.04E-08
TP-15	8.45E-04	1.22E-08	3.84E-05	5.52E-10	3.84E-05	5.52E-10	0.00E+00	0.00E+00	1.42E-03	2.04E-08
TP-16	1.69E-03	2.43E-08	7.68E-05	1.10E-09	7.68E-05	1.10E-09	0.00E+00	0.00E+00	2.84E-03	4.09E-08
TP-17	1.06E-03	1.52E-08	4.80E-05	6.90E-10	4.80E-05	6.90E-10	0.00E+00	0.00E+00	1.78E-03	2.55E-08
TP-18	2.70E-03	3.88E-08	1.23E-04	1.76E-09	1.23E-04	1.76E-09	0.00E+00	0.00E+00	4.53E-03	6.52E-08
TP-19	2.70E-03	3.88E-08	1.23E-04	1.76E-09	1.23E-04	1.76E-09	0.00E+00	0.00E+00	4.53E-03	6.52E-08
TP-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-21	2.11E-04	3.04E-09	9.60E-06	1.38E-10	9.60E-06	1.38E-10	0.00E+00	0.00E+00	3.55E-04	5.11E-09
TP-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CR-3	5.19E-03	7.47E-08	2.36E-04	3.39E-09	2.36E-04	3.39E-09	0.00E+00	0.00E+00	8.73E-03	1.26E-07
CR-4	6.60E-03	9.49E-08	3.00E-04	4.31E-09	3.00E-04	4.31E-09	0.00E+00	0.00E+00	1.11E-02	1.60E-07
CR-5	6.60E-03	9.49E-08	3.00E-04	4.31E-09	3.00E-04	4.31E-09	0.00E+00	0.00E+00	1.11E-02	1.60E-07
SC-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-4	2.96E-02	4.25E-07	1.34E-03	1.93E-08	1.34E-03	1.93E-08	0.00E+00	0.00E+00	4.97E-02	7.15E-07
SC-5	1.62E-02	2.33E-07	7.35E-04	1.06E-08	7.35E-04	1.06E-08	0.00E+00	0.00E+00	2.72E-02	3.91E-07
SC-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL	**9.91E-02**		**4.50E-03**		**4.50E-03**		**0.00E+00**		**1.67E-01**	
TOTAL	**1.98E-01**		**9.00E-03**		**9.00E-03**		**0.00E+00**		**3.33E-01**	

SUPERIOR READY MIX - PRIMARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	LEAD		MANGANESE		NICKLE		SELENIUM		ZINC		C. SILLICA	
	50	PPM	530	PPM	28	PPM	1	PPM	99	PPM	100,000	PPM
SOURCE	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**
TP-1	2.80E-02	4.03E-07	2.97E-01	4.27E-06	1.57E-02	2.26E-07	5.60E-04	8.05E-09	5.54E-02	7.97E-07	5.60E+01	8.05E-04
TP-2	1.05E-02	1.51E-07	1.11E-01	1.60E-06	5.88E-03	8.46E-08	2.10E-04	3.02E-09	2.08E-02	2.99E-07	2.10E+01	3.02E-04
TP-3	2.80E-02	4.03E-07	2.97E-01	4.27E-06	1.57E-02	2.26E-07	5.60E-04	8.05E-09	5.54E-02	7.97E-07	5.60E+01	8.05E-04
TP-4	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-5	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-6	4.80E-04	6.90E-09	5.09E-03	7.32E-08	2.69E-04	3.87E-09	9.60E-06	1.38E-10	9.50E-04	1.37E-08	9.60E-01	1.38E-05
TP-7	4.80E-04	6.90E-09	5.09E-03	7.32E-08	2.69E-04	3.87E-09	9.60E-06	1.38E-10	9.50E-04	1.37E-08	9.60E-01	1.38E-05
CR-1	3.50E-02	5.03E-07	3.71E-01	5.34E-06	1.96E-02	2.82E-07	7.00E-04	1.01E-08	6.93E-02	9.97E-07	7.00E+01	1.01E-03
CR-2	6.00E-03	8.63E-08	6.36E-02	9.15E-07	3.36E-03	4.83E-08	1.20E-04	1.73E-09	1.19E-02	1.71E-07	1.20E+01	1.73E-04
SC-1	6.72E-02	9.67E-07	7.12E-01	1.02E-05	3.76E-02	5.41E-07	1.34E-03	1.93E-08	1.33E-01	1.91E-06	1.34E+02	1.93E-03
SUBTOTAL	**2.25E-01**		**2.38E+00**		**1.26E-01**		**4.49E-03**		**4.45E-01**		**4.49E+02**	

SUPERIOR READY MIX - SECONDARY PLANT

OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	LEAD		MANGANESE		NICKLE		SELENIUM		ZINC		C. SILLICA	
	50	PPM	530	PPM	28	PPM	1	PPM	99	PPM	100,000	PPM
SOURCE	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**	**LBS/YR**	**g/sec**
TP-8	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-9	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-11	9.60E-04	1.38E-08	1.02E-02	1.46E-07	5.38E-04	7.73E-09	1.92E-05	2.76E-10	1.90E-03	2.73E-08	1.92E+00	2.76E-05
TP-12	3.36E-03	4.83E-08	3.56E-02	5.12E-07	1.88E-03	2.71E-08	6.72E-05	9.67E-10	6.65E-03	9.57E-08	6.72E+00	9.67E-05
TP-13	3.36E-03	4.83E-08	3.56E-02	5.12E-07	1.88E-03	2.71E-08	6.72E-05	9.67E-10	6.65E-03	9.57E-08	6.72E+00	9.67E-05
TP-14	1.92E-03	2.76E-08	2.04E-02	2.93E-07	1.08E-03	1.55E-08	3.84E-05	5.52E-10	3.80E-03	5.47E-08	3.84E+00	5.52E-05
TP-15	1.92E-03	2.76E-08	2.04E-02	2.93E-07	1.08E-03	1.55E-08	3.84E-05	5.52E-10	3.80E-03	5.47E-08	3.84E+00	5.52E-05
TP-16	3.84E-03	5.52E-08	4.07E-02	5.85E-07	2.15E-03	3.09E-08	7.68E-05	1.10E-09	7.60E-03	1.09E-07	7.68E+00	1.10E-04
TP-17	2.40E-03	3.45E-08	2.54E-02	3.66E-07	1.34E-03	1.93E-08	4.80E-05	6.90E-10	4.75E-03	6.83E-08	4.80E+00	6.90E-05
TP-18	6.13E-03	8.81E-08	6.49E-02	9.34E-07	3.43E-03	4.93E-08	1.23E-04	1.76E-09	1.21E-02	1.74E-07	1.23E+01	1.76E-04
TP-19	6.13E-03	8.81E-08	6.49E-02	9.34E-07	3.43E-03	4.93E-08	1.23E-04	1.76E-09	1.21E-02	1.74E-07	1.23E+01	1.76E-04
TP-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-21	4.80E-04	6.90E-09	5.09E-03	7.32E-08	2.69E-04	3.87E-09	9.60E-06	1.38E-10	9.50E-04	1.37E-08	9.60E-01	1.38E-05
TP-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CR-3	1.18E-02	1.70E-07	1.25E-01	1.80E-06	6.61E-03	9.50E-08	2.36E-04	3.39E-09	2.34E-02	3.36E-07	2.36E+01	3.39E-04
CR-4	1.50E-02	2.16E-07	1.59E-01	2.29E-06	8.40E-03	1.21E-07	3.00E-04	4.31E-09	2.97E-02	4.27E-07	3.00E+01	4.31E-04
CR-5	1.50E-02	2.16E-07	1.59E-01	2.29E-06	8.40E-03	1.21E-07	3.00E-04	4.31E-09	2.97E-02	4.27E-07	3.00E+01	4.31E-04
SC-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-4	6.72E-02	9.67E-07	7.12E-01	1.02E-05	3.76E-02	5.41E-07	1.34E-03	1.93E-08	1.33E-01	1.91E-06	1.34E+02	1.93E-03
SC-5	3.68E-02	5.29E-07	3.90E-01	5.60E-06	2.06E-02	2.96E-07	7.35E-04	1.06E-08	7.28E-02	1.05E-06	7.35E+01	1.06E-03
SC-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL	**2.25E-01**		**2.39E+00**		**1.26E-01**		**4.50E-03**		**4.46E-01**		**4.50E+02**	
TOTAL	**4.50E-01**		**4.77E+00**		**2.52E-01**		**9.00E-03**		**8.91E-01**		**9.00E+02**	

Storage Piles and Loading Operations Dust and Toxic Air Contaminants

Storage Piles

ID	Source	PM10 EF[2] (lb/ac/day)	Control Method	Control Efficiency[3]	Pile Size[4] (acres)	PM10 Emissions			PM2.5 Emissions[5]		
						lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
SP1	Primary Surge Pile	6.5	Wet Suppression	90%	0.406	0.03	0.26	0.05	0.01	0.08	0.01
SP2	Quarry Fines Pile	6.5	Wet Suppression	90%	0.256	0.01	0.17	0.03	0.00	0.05	0.01
SP6	3/4 Active Storage Pile	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP7	1/2 Active Storage Pile	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP8	3/8 Activie Storage Pile	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP9	Asphalt Sand Pile 1	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP10	Asphalt Sand Pile 2	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP11	Recycle Asphalt Pile	6.5	Wet Suppression	90%	0.064	0.00	0.04	0.01	0.00	0.01	0.00
SP12	Concrete Sand Pile 1	6.5	Underground	100%	0.226	-	-	-	-	-	-
SP13	Concrete Sand Pile 2	6.5	Conveyor	100%	0.226	-	-	-	-	-	-
SP14	Concrete Sand Pile 3	6.5	Tunnel	100%	0.226	-	-	-	-	-	-
SP15	Concrete & Asphalt Recycle Pile 1	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP16	Concrete & Asphalt Recycle Pile 2	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP17	Concrete & Asphalt Recycle Pile 3	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP18	Concrete & Asphalt Recycle Pile 4	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
					TOTAL	**0.13**	**1.52**	**0.28**	**0.04**	**0.45**	**0.08**

1.Storage Piles are active 365 days per year.

2.Emission Factor Source: SDAPCD Engineering Emissions Inventory
https://www.sandiegocounty.gov/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Mineral_Products_Calc.html

3.AP-42 Section 13.2.4-4 states wet suppression results in 90% control.

4.Storage pile areas (acreage) are based on estimated capacity area of the storage piles in the facility diagram, provided by Superior Ready Mix, March 29, 2012.

5. PM2.5 emissions estimated using fraction of PM10 as shown in the California Emission Inventory Data and Reporting System (CEIDARS) tables available at http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf?sfvrsn=2

Trace Metal Concentrations in Aggregate Released From Storage Piles

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-1	Primary Surge Pile	Arsenic	20	2.00E-05	1.30E-04	2.20E-07	5.28E-06	9.63E-07
		Beryllium	1	1.00E-06	6.50E-06	1.10E-08	2.64E-07	4.82E-08
		Cadmium	1	1.00E-06	6.50E-06	1.10E-08	2.64E-07	4.82E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	50	5.00E-05	3.25E-04	5.50E-07	1.32E-05	2.41E-06
		Copper	100	1.00E-04	6.50E-04	1.10E-06	2.64E-05	4.82E-06
		Lead	50	5.00E-05	3.25E-04	5.50E-07	1.32E-05	2.41E-06
		Manganese	500	5.00E-04	3.25E-03	5.50E-06	1.32E-04	2.41E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	20	2.00E-05	1.30E-04	2.20E-07	5.28E-06	9.63E-07
		Selenium	5	5.00E-06	3.25E-05	5.50E-08	1.32E-06	2.41E-07
		Crystalline Silica	100,000	1.00E-01	6.50E-01	1.10E-03	2.64E-02	4.82E-03
		Zinc	200	2.00E-04	1.30E-03	2.20E-06	5.28E-05	9.63E-06
ID	**Source**	**AB2588 Toxic Air Contaminant**	**Ci (ppmw)**	**Ci (lbs/lb)**	**EF[1] (lb/ac/day)**	**Emissions (lb/hr)**	**Emissions (lb/day)**	**Emissions (ton/yr)**
SP-2	Quarry Fines Pile	Arsenic	22	2.20E-05	1.43E-04	1.53E-07	3.66E-06	6.68E-07
		Beryllium	1	1.00E-06	6.50E-06	6.93E-09	1.66E-07	3.04E-08
		Cadmium	1	1.00E-06	6.50E-06	6.93E-09	1.66E-07	3.04E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.94E-07	4.66E-06	8.50E-07
		Copper	37	3.70E-05	2.41E-04	2.57E-07	6.16E-06	1.12E-06
		Lead	50	5.00E-05	3.25E-04	3.47E-07	8.32E-06	1.52E-06
		Manganese	530	5.30E-04	3.45E-03	3.67E-06	8.82E-05	1.61E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.94E-07	4.66E-06	8.50E-07
		Selenium	1	1.00E-06	6.50E-06	6.93E-09	1.66E-07	3.04E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	6.93E-04	1.66E-02	3.04E-03
		Zinc	200	2.00E-04	1.30E-03	1.39E-06	3.33E-05	6.07E-06
ID	**Source**	**AB2588 Toxic Air Contaminant**	**Ci (ppmw)**	**Ci (lbs/lb)**	**EF[1] (lb/ac/day)**	**Emissions (lb/hr)**	**Emissions (lb/day)**	**Emissions (ton/yr)**
SP-6	3/4 Active Storage Pile	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-7	1/2 Active Storage Pile	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	**Source**	**AB2588 Toxic Air Contaminant**	**Ci (ppmw)**	**Ci (lbs/lb)**	**EF[1] (lb/ac/day)**	**Emissions (lb/hr)**	**Emissions (lb/day)**	**Emissions (ton/yr)**
SP-8	3/8 Active Storage Pile	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	**Source**	**AB2588 Toxic Air Contaminant**	**Ci (ppmw)**	**Ci (lbs/lb)**	**EF[1] (lb/ac/day)**	**Emissions (lb/hr)**	**Emissions (lb/day)**	**Emissions (ton/yr)**
SP-9	Asphalt Sand Pile 1	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-10	Asphalt Sand Pile 2	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	**Source**	**AB2588 Toxic Air Contaminant**	**Ci (ppmw)**	**Ci (lbs/lb)**	**EF[1] (lb/ac/day)**	**Emissions (lb/hr)**	**Emissions (lb/day)**	**Emissions (ton/yr)**
SP-11	Recycle Asphalt Pile	Arsenic	22	2.20E-05	1.43E-04	3.81E-08	9.15E-07	1.67E-07
		Beryllium	1	1.00E-06	6.50E-06	1.73E-09	4.16E-08	7.59E-09
		Cadmium	1	1.00E-06	6.50E-06	1.73E-09	4.16E-08	7.59E-09
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	4.85E-08	1.16E-06	2.13E-07
		Copper	37	3.70E-05	2.41E-04	6.41E-08	1.54E-06	2.81E-07
		Lead	50	5.00E-05	3.25E-04	8.67E-08	2.08E-06	3.80E-07
		Manganese	530	5.30E-04	3.45E-03	9.19E-07	2.20E-05	4.02E-06
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	4.85E-08	1.16E-06	2.13E-07
		Selenium	1	1.00E-06	6.50E-06	1.73E-09	4.16E-08	7.59E-09
		Crystalline Silica	100,000	1.00E-01	6.50E-01	1.73E-04	4.16E-03	7.59E-04
		Zinc	200	2.00E-04	1.30E-03	3.47E-07	8.32E-06	1.52E-06
ID	**Source**	**AB2588 Toxic Air Contaminant**	**Ci (ppmw)**	**Ci (lbs/lb)**	**EF[1] (lb/ac/day)**	**Emissions (lb/hr)**	**Emissions (lb/day)**	**Emissions (ton/yr)**
SP-12	Concrete Sand Pile 1 No Emissions Due to underground conveyor	Arsenic	22	2.20E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00
		Beryllium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Cadmium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Copper	37	3.70E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00
		Lead	50	5.00E-05	3.25E-04	0.00E+00	0.00E+00	0.00E+00
		Manganese	530	5.30E-04	3.45E-03	0.00E+00	0.00E+00	0.00E+00
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Selenium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Crystalline Silica	100,000	1.00E-01	6.50E-01	0.00E+00	0.00E+00	0.00E+00
		Zinc	200	2.00E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-13	Concrete Sand Pile 2	Arsenic	22	2.20E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00
	No Emissions	Beryllium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
	Due to underground conveyor	Cadmium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Copper	37	3.70E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00
		Lead	50	5.00E-05	3.25E-04	0.00E+00	0.00E+00	0.00E+00
		Manganese	530	5.30E-04	3.45E-03	0.00E+00	0.00E+00	0.00E+00
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Selenium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Crystalline Silica	100,000	1.00E-01	6.50E-01	0.00E+00	0.00E+00	0.00E+00
		Zinc	200	2.00E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-14	Concrete Sand Pile 3	Arsenic	22	2.20E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00
	No Emissions	Beryllium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
	Due to underground conveyor	Cadmium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Copper	37	3.70E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00
		Lead	50	5.00E-05	3.25E-04	0.00E+00	0.00E+00	0.00E+00
		Manganese	530	5.30E-04	3.45E-03	0.00E+00	0.00E+00	0.00E+00
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Selenium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Crystalline Silica	100,000	1.00E-01	6.50E-01	0.00E+00	0.00E+00	0.00E+00
		Zinc	200	2.00E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-15	Concrete & Asphalt Recycle Pile 1	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-16	Concrete & Asphalt Recycle Pile 2	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	**Source**	**AB2588 Toxic Air Contaminant**	**Ci (ppmw)**	**Ci (lbs/lb)**	**EF[1] (lb/ac/day)**	**Emissions (lb/hr)**	**Emissions (lb/day)**	**Emissions (ton/yr)**
SP-17	Concrete & Asphalt Recycle Pile 3	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF[1] (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-18	Concrete & Asphalt Recycle Pile 4	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

Notes:

1. Trace metal concentrations in aggregate, released from storage piles estimates are based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Mineral Products Industry - Aggregate", modified December 30, 1998.

Example Storage Pile Calculation:

Arsenic (lb/acre/day): EF = PM10 EF x Ci x (1-e)

Arsenic (lb/day): EAs = EF x Pile Size (acres) x (1-control Eff)

= 2.10E-04 lb/acre/day x 0.406 acres x (1 - 0.9) = 3.35E-06 lb/day

Summary Totals - Storage Piles

AB2588 Toxic Air Contaminant	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	1.38E-06	3.30E-05	6.03E-06
Beryllium	6.35E-08	1.52E-06	2.78E-07
Cadmium	6.35E-08	1.52E-06	2.78E-07
Hex-Chromium	0.00E+00	0.00E+00	0.00E+00
Chromium	2.02E-06	4.85E-05	8.85E-06
Copper	3.04E-06	7.30E-05	1.33E-05
Lead	3.18E-06	7.62E-05	1.39E-05
Manganese	3.33E-05	8.00E-04	1.46E-04
Mercury	0.00E+00	0.00E+00	0.00E+00
Nickle	1.69E-06	4.06E-05	7.41E-06
Selenium	1.08E-07	2.58E-06	4.71E-07
Crystalline Silica	6.35E-03	1.52E-01	2.78E-02
Zinc	1.27E-05	3.05E-04	5.57E-05

Cement Treated Base - Dust and Toxic Emissions

High Production:

	2% Cement	90% Aggregate and Sand
400 TPH	8 TPH Cement	360 TPH Agg&Sand
4,000 TPD	80 TPD Cement	3,600 TPD Agg&Sand
320,000 TPY	6,400 TPY Cement	288,000 TPY Agg&Sand
10 hrs/day	Note: 8% Water	

Emission Factors

ID	Source	PM10 (lb/ton)	PM2.5 (lb/ton)
CTB2	Cement Unloading to Silo	4.90E-03	1.13E-03
CTB1	Aggregate Unloading to Pu	3.40E-04	7.85E-05

*Conveyors to Concrete Batch Plant are shown with the Aggregate emission sources.

ID	Source	PM10 Emissions			PM2.5 Emissions		
		lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
CTB2	Cement Unloading to Silo	3.92E-02	3.92E-01	1.57E-02	9.04E-03	9.04E-02	3.62E-03
CTB1	Aggregate Unloading to Pu	1.22E-01	1.22E+00	4.90E-02	2.83E-02	2.83E-01	1.13E-02
	Total	**1.62E-01**	**1.62E+00**	**6.46E-02**	**3.73E-02**	**3.73E-01**	**1.49E-02**

Notes:

1. Emission Factor Source: SDAPCD Engineering Emissions Inventory

https://www.sandiegocounty.gov/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Mineral_Products_Calc.html

ID	Operation	AB2588 Toxic Air Contaminant	Ci (ppmw)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
CTB2	Concrete Plant Cement Unloading to Storage Silo w/ Baghouse	Arsenic	15	5.88E-07	5.88E-06	2.35E-07
		Beryllium	1	3.92E-08	3.92E-07	1.57E-08
		Cadmium	1	3.92E-08	3.92E-07	1.57E-08
		Hex-Chromium	2	7.84E-08	7.84E-07	3.14E-08
		Chromium	50	1.96E-06	1.96E-05	7.84E-07
		Copper	46	1.80E-06	1.80E-05	7.21E-07
		Lead	33	1.29E-06	1.29E-05	5.17E-07
		Manganese	420	1.65E-05	1.65E-04	6.59E-06
		Nickle	18	7.06E-07	7.06E-06	2.82E-07
		Selenium	1	3.92E-08	3.92E-07	1.57E-08
		Crystalline Silica	100,000	3.92E-03	3.92E-02	1.57E-03
		Zinc	140	5.49E-06	5.49E-05	2.20E-06
CTB1	Concrete Plant Aggregate Unloading to Pugmill	Arsenic	15	1.84E-06	1.84E-05	7.34E-07
		Beryllium	1	1.22E-07	1.22E-06	4.90E-08
		Cadmium	1	1.22E-07	1.22E-06	4.90E-08
		Hex-Chromium	2	2.45E-07	2.45E-06	9.79E-08
		Chromium	50	6.12E-06	6.12E-05	2.45E-06
		Copper	46	5.63E-06	5.63E-05	2.25E-06
		Lead	33	4.04E-06	4.04E-05	1.62E-06
		Manganese	420	5.14E-05	5.14E-04	2.06E-05
		Nickle	18	2.20E-06	2.20E-05	8.81E-07
		Selenium	1	1.22E-07	1.22E-06	4.90E-08
		Crystalline Silica	100,000	1.22E-02	1.22E-01	4.90E-03
		Zinc	140	1.71E-05	1.71E-04	6.85E-06

1.Emission Factor Source: Concrete Batch Plant Toxic Emission Factors based on AP-42 11.12 Concrete Batching,

Summary Totals

Toxic	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	2.42E-06	2.42E-05	9.70E-07
Beryllium	1.62E-07	1.62E-06	6.46E-08
Cadmium	1.62E-07	1.62E-06	6.46E-08
Hex-Chromium	3.23E-07	3.23E-06	1.29E-07
Chromium	8.08E-06	8.08E-05	3.23E-06
Copper	7.43E-06	7.43E-05	2.97E-06
Lead	5.33E-06	5.33E-05	2.13E-06
Manganese	6.79E-05	6.79E-04	2.71E-05
Nickle	2.91E-06	2.91E-05	1.16E-06
Selenium	1.62E-07	1.62E-06	6.46E-08
Crystalline Silica	1.62E-02	1.62E-01	6.46E-03
Zinc	2.26E-05	2.26E-04	9.05E-06

Hot Mix Asphalt Plant - Utilizing RAP Crystalline Silica

Hot Mix Drum Burner

1,595	MMBtu/day
26,250	MMBtu/year
275,000	Btu/ton

Maximum Production

500	TPH asphalt (aggregate + RAP + oil)
5,000	TPD asphalt (aggregate + RAP + oil)
600,000	TPY asphalt (aggregate + RAP + oil)
5	% oil in asphalt product
15	% RAP in asphalt product
500	TPH aggregate w/o RAP
5,000	TPD aggregate w/o RAP
600,000	TPY aggregate w/o RAP
10	hrs/day

Production

			Hourly		Daily		Annual	
ID	Equipment Category	Description	TPH	MMBtu/hr	TPD	MMBtu/day	TPY	MMBtu/yr
Cold Side Aggregate								
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	50	0	500	0	600	0
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	50	0	500	0	600	0
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	100	0	1,000	0	1,200	0
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	200	0	2,000	0	2,400	0
AS1	Aggregate Screen	conveyor to scalping screen 1	400	0	4,000	0	4,800	0
TC5	Transfer Conveyor	scalping screen to conveyor	400	0	4,000	0	4800	0
Cold Side RAP								
RAP1	RAP Feeder Loading	RAP storage pile to bin	75	0	750	0	900	0
HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	75	0	750	0	900	0
TC6	Transfer Conveyor	Conveyor to scalping screen #2	75	0	750	0	900	0
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	75	0	750	0	900	0
TC7	Transfer Conveyor	Conveyor to conveyor	75	0	750	0	900	0
HMA Plant								
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	500	100.7	5,000	1,007	600,000	120,080
HMA2	HMA Plant Loadout	Screens/bins /pug mill	50	0	500	0	600	0
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	450	0	4,500	0	5,400	0
HMA4	Hot Oil Heater	Hot Oil Heater	500	5	5,000	48	600,000	6,250

Emission Factors

ID	Equipment Category	Description	PM10	PM4	Crystalline Silica	Units
Cold Side Aggregate						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
AS1	Aggregate Screen	conveyor to scalping screen 1	7.40E-04	2.96E-04	2.99E-05	lb/ton
TC5	Transfer Conveyor	scalping screen to conveyor	4.60E-05	1.84E-05	1.86E-06	lb/ton
Cold Side RAP						
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.40E-03	5.60E-04	5.66E-05	lb/ton
HSI1	Crusher (with Fabric Filter	HSI crusher emissions	2.40E-03	9.60E-04	9.70E-05	lb/ton
TC6	Transfer Conveyor	Conveyor to scalping screen #2	4.60E-05	1.84E-05	1.86E-06	lb/ton
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	7.40E-04	2.96E-04	2.99E-05	lb/ton
TC7	Transfer Conveyor	Conveyor to conveyor	4.60E-05	1.84E-05	1.86E-06	lb/ton
HMA Plant						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse				lb/ton
HMA2	HMA Plant Loadout	Screens/bins /pug mill	5.22E-04	5.22E-04	5.27E-05	lb/ton
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	5.86E-04	5.86E-04	5.92E-05	lb/ton
HMA4	Hot Oil Heater	Hot Oil Heater				lb/ton

1.AP-42 5th Ed. Final Section 11.1 updated April 2004, Table 11.1-14. Predictive emission factor equations for loadout and filling operations. Total PM is assumed to be predominantly PM2.5 since emissions consist of condensed vapors based on Footnote b of Table 11.1-14.
Example Calculation: Total PM Loadout EF = 0.000181+0.00141(-V)e^((0.0251)(T+460)-20.43), where V = -0.5, T = 325oF, based on default equation
Total PM10 Loadout EF = 0.000181+0.00141(0.5)e^((0.0251)(325+460)-20.43) = 5.22E-04 lb/ton
2.AP-42 5th Ed. Final Section 11.1 updated April 2004, Table 11.1-14. Predictive emission factor equations for loadout and filling operations. Total PM is assumed to be predominantly PM2.5 since emissions consist of condensed vapors based on Footnote b of Table 11.1-14.
Example Calculation: Total PM Silo Filling EF = 0.000332+0.00105(-V)e^((0.0251)(T+460)-20.43), where V = -0.5, T = 325oF, based on default equation
Total PM10 Loadout EF = 0.000332+0.00105(0.5)e^((0.0251)(325+460)-20.43) = 5.86E-04 lb/ton
3.Based on controlled emission factors (with wet suppression) for applicable activity provided in Table 11.19.2-2 (Crushed Stone Processing and Pulverized Mineral Processing), AP-42 5th Ed. Final Section 11.19.2 updated August 2004. Since there was no data for PM4, the controlled emission factor for PM10 was used and scaled to PM4 using the ratio 0.14/0.35, using linear interpolation from PM2.5 and PM5 k values, provided in AP-42, Section 13.2.4, dated November 2006. In a recent AWMA study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results indicate 23% crystalline silica. Therefore, crystalline silica emission factors werecalculated based on site-specific testing data and are estimated at 10.1% (0.44 x 0.23 = 0.101) of the PM4 emissions.
4.Baghouses are assumed to have greater than 99% control efficiency, based on Martin, Insertable Dust Collector, vendor data, which states, "High efficiency filters remove 99.9 percent of all particles larger than one micron." http://www.martin-eng.com/products.php?product=86. However, 97.5% control efficiency was applied, as a conservative estimate for these PTE calculations.

Hourly Emissions

ID	Equipment Category	Description	PM10 (lb/hr)	PM4 (lb/hr)	Crystalline Silica (lb/hr)	Source Type
Cold Side Aggregate						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
AS1	Aggregate Screen	conveyor to scalping screen 1	2.96E-01	1.18E-01	1.20E-02	Point
TC5	Transfer Conveyor	scalping screen to conveyor	1.84E-02	7.36E-03	7.43E-04	Point
Cold Side RAP						
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.05E-01	4.20E-02	4.24E-03	Volume
HSI1	Crusher (with Fabric Filter	HSI crusher emissions	1.80E-01	7.20E-02	7.27E-03	Volume
TC6	Transfer Conveyor	Conveyor to scalping screen #2	3.45E-03	1.38E-03	1.39E-04	Volume
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	5.55E-02	2.22E-02	2.24E-03	Volume
TC7	Transfer Conveyor	Conveyor to conveyor	3.45E-03	1.38E-03	1.39E-04	Point
HMA Plant						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	0.00E+00	0.00E+00	0.00E+00	Volume
HMA2	HMA Plant Loadout	Screens/bins /pug mill	2.61E-02	2.61E-02	2.64E-03	Volume
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	2.64E-01	2.64E-01	2.66E-02	Volume
HMA4	Hot Oil Heater	Hot Oil Heater	0.00E+00	0.00E+00	0.00E+00	Point
		Total	**9.52E-01**	**5.55E-01**	**5.60E-02**	

Daily Emissions

ID	Equipment Category	Description	PM10 (lb/day)	PM4 (lb/day)	Crystalline Silica (lb/day)	Source Type
Cold Side Aggregate						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
AS1	Aggregate Screen	conveyor to scalping screen 1	2.96E+00	1.18E+00	1.20E-01	Point
TC5	Transfer Conveyor	scalping screen to conveyor	1.84E-01	7.36E-02	7.43E-03	Point
Cold Side RAP						
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.05E+00	4.20E-01	4.24E-02	Volume
HSI1	Crusher (with Fabric Filter	HSI crusher emissions	1.80E+00	7.20E-01	7.27E-02	Volume
TC6	Transfer Conveyor	Conveyor to scalping screen #2	3.45E-02	1.38E-02	1.39E-03	Volume
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	5.55E-01	2.22E-01	2.24E-02	Volume
TC7	Transfer Conveyor	Conveyor to conveyor	3.45E-02	1.38E-02	1.39E-03	Point
HMA Plant						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	0.00E+00	0.00E+00	0.00E+00	Volume
HMA2	HMA Plant Loadout	Screens/bins /pug mill	2.61E-01	2.61E-01	2.64E-02	Volume
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	2.64E+00	2.64E+00	2.66E-01	Volume
HMA4	Hot Oil Heater	Hot Oil Heater	0.00E+00	0.00E+00	0.00E+00	Point
		Total	**9.52E+00**	**5.55E+00**	**5.60E-01**	

Annual Emissions

ID	Equipment Category	Description	PM10 (TPY)	PM4 (TPY)	Crystalline Silica (TPY)	Source Type
Cold Side Aggregate						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
AS1	Aggregate Screen	conveyor to scalping screen 1	1.78E-03	7.10E-04	7.18E-05	Point
TC5	Transfer Conveyor	scalping screen to conveyor	1.10E-04	4.42E-05	4.46E-06	Point
Cold Side RAP						
RAP1	RAP Feeder Loading	RAP storage pile to bin	6.30E-04	2.52E-04	2.55E-05	Volume
HSI1	Crusher (with Fabric Filter	HSI crusher emissions	1.08E-03	4.32E-04	4.36E-05	Volume
TC6	Transfer Conveyor	Conveyor to scalping screen #2	2.07E-05	8.28E-06	8.36E-07	Volume
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	3.33E-04	1.33E-04	1.35E-05	Volume
TC7	Transfer Conveyor	Conveyor to conveyor	2.07E-05	8.28E-06	8.36E-07	Point
HMA Plant						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	0.00E+00	0.00E+00	0.00E+00	Point
HMA2	HMA Plant Loadout	Screens/bins /pug mill	1.57E-04	1.57E-04	1.58E-05	Volume
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	1.58E-03	1.58E-03	1.60E-04	Volume
HMA4	Hot Oil Heater	Hot Oil Heater	0.00E+00	0.00E+00	0.00E+00	Point
		Total	**5.71E-03**	**3.33E-03**	**3.36E-04**	

Reference:

John R. Richards, Todd T. Brozell, Charles Rea, Geoff Boraston & John Hayden (2009): PM4 Crystalline Silica Emission Factors and Ambient Concentrations at Aggregate-Producing Sources in California, Journal of the Air & Waste Management Association, 59:11, 1287-1295

Hot Mix Asphalt Plant - Utilizing RAP Criteria Pollutant and Toxic Air Contaminants

Hot Mix Drum Burner

1,595	MMBtu/day
26,250	MMBtu/year
275,000	Btu/ton

Maximum Production

500	TPH asphalt (aggregate + RAP + oil)
5,000	TPD asphalt (aggregate + RAP + oil)
600,000	TPY asphalt (aggregate + RAP + oil)
5	% oil in asphalt product
15	% RAP in asphalt product
500	TPH aggregate w/o RAP
5,000	TPD aggregate w/o RAP
600,000	TPY aggregate w/o RAP
10	hrs/day

Production

			Hourly		Daily		Annual	
ID	Equipment Category	Description	TPH	MMBtu/hr	TPD	MMBtu/day	TPY	MMBtu/yr
Cold Side Aggregate								
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	50	-	500	-	600	-
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	50	-	500	-	600	-
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	100	-	1,000	-	1,200	-
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	200	-	2,000	-	2,400	-
AS1	Aggregate Screen	conveyor to scalping screen 1	400	-	4,000	-	4,800	-
TC5	Transfer Conveyor	scalping screen to conveyor	400	-	4,000	-	4,800	-
Cold Side RAP								
RAP1	RAP Feeder Loading	RAP storage pile to bin	75	-	750	-	900	-
HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	75	-	750	-	900	-
TC6	Transfer Conveyor	Conveyor to scalping screen #2	75	-	750	-	900	-
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	75	-	750	-	900	-
TC7	Transfer Conveyor	Conveyor to conveyor	75	-	750	-	900	-
HMA Plant								
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	500	101	5,000	1,007	600,000	120,080
HMA2	HMA Plant Loadout	Screens/bins /pug mill	50	-	500	-	600	-
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	450	-	4,500	-	5,400	-
HMA4	Hot Oil Heater	Hot Oil Heater	500	5	5,000	48	600,000	6,250

Criteria Pollutant and GHG Emission Factors

ID	Equipment Category	Description	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O	Units
Cold Side Aggregate												
AS1	Aggregate Screen	conveyor to scalping screen 1	-	-	-	-	7.40E-04	5.00E-05	-	-	-	lb/ton
TC5	Transfer Conveyor	scalping screen to conveyor	-	-	-	-	4.60E-05	1.30E-05	-	-	-	lb/ton
Cold Side RAP												
RAP1	RAP Feeder Loading	RAP storage pile to bin	-	-	-	-	1.40E-03	3.90E-04	-	-	-	lb/ton
HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	-	-	-	-	2.40E-03	6.78E-04	-	-	-	lb/ton
TC6	Transfer Conveyor	Conveyor to scalping screen #2	-	-	-	-	4.60E-05	1.30E-05	-	-	-	lb/ton
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	-	-	-	-	7.40E-04	5.00E-05	-	-	-	lb/ton
TC7	Transfer Conveyor	Conveyor to conveyor	-	-	-	-	4.60E-05	1.30E-05	-	-	-	lb/ton
HMA Plant												
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	3.20E-02	1.30E-01	2.60E-02	3.40E-03	9.50E-03	6.60E-03	3.30E+01	1.20E-02	1.20E-02	lb/MMBtu
HMA2	HMA Plant Loadout	Screens/bins /pug mill	4.16E-03	1.35E-03	-	-	5.22E-04	5.20E-04	-	-	-	lb/ton
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	1.22E-02	1.18E-03	-	-	5.86E-04	5.90E-04	-	-	-	lb/ton
HMA4	Hot Oil Heater	Hot Oil Heater	1.30E-02	3.70E-02	1.50E-02	2.60E-05	7.00E-03	7.00E-03	1.18E+02	2.25E-03	2.16E-03	lb/MMBtu

Criteria Pollutant and GHG Emission Rates - Daily Emission Rates

ID	Equipment Category	Description	ROG lbs/day	CO lbs/day	NOX lbs/day	SOX lbs/day	PM10 lbs/day	PM2.5 lbs/day	CO2 lbs/day	CH4 lbs/day	N2O lbs/day	CO2e lbs/day
Cold Side Aggregate												
AS1	Aggregate Screen	conveyor to scalping screen 1	-	-	-	-	2.96	0.20	-	-	-	-
TC5	Transfer Conveyor	scalping screen to conveyor	-	-	-	-	0.18	0.05	-	-	-	-
Cold Side RAP												
RAP1	RAP Feeder Loading	RAP storage pile to bin	-	-	-	-	1.05	0.29	-	-	-	-
HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	-	-	-	-	1.80	0.51	-	-	-	-
TC6	Transfer Conveyor	Conveyor to scalping screen #2	-	-	-	-	0.03	0.01	-	-	-	-
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	-	-	-	-	0.56	0.04	-	-	-	-
TC7	Transfer Conveyor	Conveyor to conveyor	-	-	-	-	0.03	0.01	-	-	-	-
HMA Plant												
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	32.22	130.91	26.18	3.42	9.57	6.65	33,231.00	12.08	12.08	37,230.80
HMA2	HMA Plant Loadout	Screens/bins /pug mill	2.08	0.68	-	-	0.26	0.26	-	-	-	-
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	54.90	5.31	-	-	2.64	2.66	-	-	-	-
HMA4	Hot Oil Heater	Hot Oil Heater	0.62	1.78	0.72	0.00	0.34	0.34	5,647.20	0.11	0.10	5,681.61
		Total	89.83	138.67	26.90	3.43	19.42	11.01	38,878.20	12.19	12.19	42,912.41

Criteria Pollutant and GHG Emission Rates - Annual Emission Rates (tons per year)

ID	Equipment Category	Description	ROG tpy	CO tpy	NOX tpy	SOX tpy	PM10 tpy	PM2.5 tpy	CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Cold Side Aggregate												
AS1	Aggregate Screen	conveyor to scalping screen 1	-	-	-	-	1.78E-03	1.20E-04	-	-	-	-
TC5	Transfer Conveyor	scalping screen to conveyor	-	-	-	-	1.10E-04	3.12E-05	-	-	-	-
Cold Side RAP												
RAP1	RAP Feeder Loading	RAP storage pile to bin	-	-	-	-	6.30E-04	1.76E-04	-	-	-	-
HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	-	-	-	-	1.08E-03	3.05E-04	-	-	-	-
TC6	Transfer Conveyor	Conveyor to scalping screen #2	-	-	-	-	2.07E-05	5.85E-06	-	-	-	-
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	-	-	-	-	3.33E-04	2.25E-05	-	-	-	-
TC7	Transfer Conveyor	Conveyor to conveyor	-	-	-	-	2.07E-05	5.85E-06	-	-	-	-
HMA Plant												
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	1.92	7.81	1.56	0.20	0.57	0.40	1,797.43	0.65	0.65	2,013.77
HMA2	HMA Plant Loadout	Screens/bins /pug mill	1.25E-03	4.05E-04	-	-	1.57E-04	1.56E-04	-	-	-	-
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	3.29E-02	3.19E-03	-	-	1.58E-03	1.59E-03	-	-	-	-
HMA4	Hot Oil Heater	Hot Oil Heater	0.04	0.12	0.05	0.00	0.02	0.02	367.66	0.01	0.01	369.90
		Total	2.00	7.92	1.61	0.20	0.60	0.42	2,165.08	0.66	0.66	2,383.67

Toxic Air Conatimant Emissions (Drum Mix Natural Gas Combustion)

ID	Equipment Category	Description	AB2588 Toxic Air Contaminant	EF[1] (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA1	Hot Mix Asphalt Plant	Dryer Burner/Baghouse-4	Benzene	3.90E-04	1.95E-01	1.95E+00	1.17E-01
			Ethylbenzene	2.40E-04	1.20E-01	1.20E+00	7.20E-02
			Formaldehyde	3.10E-03	1.55E+00	1.55E+01	9.30E-01
			Hexane	9.20E-04	4.60E-01	4.60E+00	2.76E-01
			Methyl chloroform	4.80E-05	2.40E-02	2.40E-01	1.44E-02
			Toluene	1.50E-04	7.50E-02	7.50E-01	4.50E-02
			Xylene	2.00E-04	1.00E-01	1.00E+00	6.00E-02
			2-Methylnaphthalene	7.40E-05	3.70E-02	3.70E-01	2.22E-02
			Acenaphthene	1.40E-06	7.00E-04	7.00E-03	4.20E-04
			Acenaphthylene	8.60E-06	4.30E-03	4.30E-02	2.58E-03
			Anthracene	2.20E-07	1.10E-04	1.10E-03	6.60E-05
			Benzo(a)anthracene	2.10E-07	1.05E-04	1.05E-03	6.30E-05
			Benzo(a)pyrene	9.80E-09	4.90E-06	4.90E-05	2.94E-06
			Benzo(b)fluoranthene	1.00E-07	5.00E-05	5.00E-04	3.00E-05
			Benzo(e)pyrene	1.10E-07	5.50E-05	5.50E-04	3.30E-05
			Benzo(g,h,i)perylene	4.00E-08	2.00E-05	2.00E-04	1.20E-05
			Benzo(k)fluoranthene	4.10E-08	2.05E-05	2.05E-04	1.23E-05
			Chrysene	1.80E-07	9.00E-05	9.00E-04	5.40E-05
			Fluoranthene	6.10E-07	3.05E-04	3.05E-03	1.83E-04
			Fluorene	3.80E-06	1.90E-03	1.90E-02	1.14E-03
			Indeno(1,2,3-cd)pyrene	7.00E-09	3.50E-06	3.50E-05	2.10E-06
			Naphthalene	9.00E-05	4.50E-02	4.50E-01	2.70E-02
			Perylene	8.80E-09	4.40E-06	4.40E-05	2.64E-06
			Phenanthrene	7.60E-06	3.80E-03	3.80E-02	2.28E-03
			Pyrene	5.40E-07	2.70E-04	2.70E-03	1.62E-04

1.Emission factors for hot mix asphalt plant were obtained from AP-42 5th Ed. Final Section 11.1, updated April 2004, Table 11.1-10, controlled emission factors for natural gas fired drum mix dryers.

Toxic Air Contaminant Emissions (Drum Mix Metal Emissions)

ID	Equipment Category	Description	AB2588 Toxic Air Contaminant	EF[2] (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA1	Hot Mix Asphalt Plant	Dryer Burner/Baghouse	Arsenic	5.60E-07	2.80E-04	2.80E-03	1.68E-04
			Barium	5.80E-06	2.90E-03	2.90E-02	1.74E-03
			Beryllium	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Cadmium	4.10E-07	2.05E-04	2.05E-03	1.23E-04
			Chromium	5.50E-06	2.75E-03	2.75E-02	1.65E-03
			Cobalt	2.60E-08	1.30E-05	1.30E-04	7.80E-06
			Copper	3.10E-06	1.55E-03	1.55E-02	9.30E-04
			Hex-Chromium	4.50E-07	2.25E-04	2.25E-03	1.35E-04
			Lead	6.20E-07	3.10E-04	3.10E-03	1.86E-04
			Manganese	7.70E-06	3.85E-03	3.85E-02	2.31E-03
			Mercury	2.40E-07	1.20E-04	1.20E-03	7.20E-05
			Nickel	6.30E-05	3.15E-02	3.15E-01	1.89E-02
			Phosphorous	2.80E-05	1.40E-02	1.40E-01	8.40E-03
			Silver	2.80E-05	1.40E-02	1.40E-01	8.40E-03
			Thallium	4.10E-09	2.05E-06	2.05E-05	1.23E-06
			Zinc	6.10E-05	3.05E-02	3.05E-01	1.83E-02
			Selenium	3.50E-07	1.75E-04	1.75E-03	1.05E-04

2.TAC metals emission factors for HMA plant were obtained from AP-42 5th Ed. Final Section 11.1, updated April 2004, Table 11.1-12, controlled emission factors for natural gas fired drum mix dryers.

Toxic Air Contaminant Emissions (Plant Loadout)

ID	Equipment Category	Description	Toxic Air Contaminant	EF[3] (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA2	HMA Plant Loadout	HMA Plant Loadout	Organic PM	3.41E-04	1.71E-02	1.71E-01	1.02E-04
			Acenaphthene	8.86E-07	4.43E-05	4.43E-04	2.66E-07
			Acenaphthylene	9.55E-08	4.78E-06	4.78E-05	2.87E-08
			Anthracene	2.39E-07	1.20E-05	1.20E-04	7.17E-08
			Benzo(a)anthracene	6.48E-08	3.24E-06	3.24E-05	1.94E-08
			Benzo(b)fluoranthene	2.59E-08	1.30E-06	1.30E-05	7.77E-09
			Benzo(k)fluoranthene	7.50E-09	3.75E-07	3.75E-06	2.25E-09
			Benzo(g,h,I)perylene	6.48E-09	3.24E-07	3.24E-06	1.94E-09
			Benzo(a)pyrene	7.84E-09	3.92E-07	3.92E-06	2.35E-09
			Benzo(e)pyrene	2.66E-08	1.33E-06	1.33E-05	7.98E-09
			Chrysene	3.51E-07	1.76E-05	1.76E-04	1.05E-07
			Dibenz(a,h)anthracene	1.26E-09	6.30E-08	6.30E-07	3.78E-10
			Fluoranthene	1.70E-07	8.50E-06	8.50E-05	5.10E-08
			Fluorene	2.63E-06	1.32E-04	1.32E-03	7.89E-07
			Indeno(1,2,3-cd)pyrene	1.60E-09	8.00E-08	8.00E-07	4.80E-10
			2-Methylnaphthalene	8.11E-06	4.06E-04	4.06E-03	2.43E-06
			Naphthalene	4.26E-06	2.13E-04	2.13E-03	1.28E-06
			Perylene	7.50E-08	3.75E-06	3.75E-05	2.25E-08
			Phenanthrene	2.76E-06	1.38E-04	1.38E-03	8.28E-07
			Pyrene	5.11E-07	2.56E-05	2.56E-04	1.53E-07
			Phenol	4.02E-06	2.01E-04	2.01E-03	1.21E-06
			TOC (Organic Carbon)	4.16E-03	2.08E-01	2.08E+00	1.25E-03
			Benzene	2.16E-06	1.08E-04	1.08E-03	6.48E-07
			Bromomethane	3.99E-07	2.00E-05	2.00E-04	1.20E-07
			2-Butanone	2.04E-06	1.02E-04	1.02E-03	6.12E-07
			Carbon Disulfide	5.41E-07	2.71E-05	2.71E-04	1.62E-07
			Chloroethane	8.73E-09	4.37E-07	4.37E-06	2.62E-09
			Chloromethane	6.24E-07	3.12E-05	3.12E-04	1.87E-07
			Cumene	4.57E-06	2.29E-04	2.29E-03	1.37E-06
			Ethylbenzene	1.16E-05	5.80E-04	5.80E-03	3.48E-06
			Formaldehyde	3.66E-06	1.83E-04	1.83E-03	1.10E-06
			Hexane	6.24E-06	3.12E-04	3.12E-03	1.87E-06
			Isooctane	7.49E-08	3.75E-06	3.75E-05	2.25E-08
			Methylene Chloride	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			MTBE	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Styrene	3.04E-07	1.52E-05	1.52E-04	9.12E-08
			Tetrachloroethene	3.20E-07	1.60E-05	1.60E-04	9.60E-08
			Toluene	8.73E-06	4.37E-04	4.37E-03	2.62E-06
			1,1,1-Trichloroethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichloroethene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichlorofluoromethane	5.41E-08	2.71E-06	2.71E-05	1.62E-08
			Xylene (m-/p-)	1.71E-05	8.55E-04	8.55E-03	5.13E-06
			Xylene (o-)	3.33E-06	1.67E-04	1.67E-03	9.99E-07

3.Emission Factor Source: AP-42 5th Ed., updated April 2004, Tables 11.1-14, 11.1-15, and 11.1-16.

Emission Factor Equations:

Organic PM Plant Loadout EF= 0.00141 (-V) e^((0.0251)(T+460)-20.43)

Organic Carbon Plant Loadout EF= 0.0172 (-V) e^((0.0251)(T+460)-20.43)

Where T = Mix Temp. (325'F); V = Asphalt Volatility (-0.5)

Organic Toxic PM Plant Loadout EF = Organic PM EF x % Toxic

Organic Toxic Carbon Plant Loadout EF = Organic Carbon EF x % Toxic

Example Calculation:

Acenaphthene EF = 0.00141 (-V) e^((0.0251)(T+460)-20.43) x % Toxic

EF = 0.00141 (0.5) e^((0.0251)(325+460)-20.43) x 0.26% = 8.86E-07 lb/ton HMA

Emission (lb/hr) = 8.86E-07 lb/ton HMA x 600 ton/hr = 5.32E-04 lb/hr

Toxic Air Contaminant Emissions (Silo Filling)

ID	Equipment Category	Description	Toxic Air Contaminant	EF[4] (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA3	HMA Silo Filling	HMA Silo Filling	Organic PM	2.54E-04	1.14E-01	1.14E+00	6.86E-04
			Acenaphthene	1.19E-06	5.36E-04	5.36E-03	3.21E-06
			Acenaphthylene	3.55E-08	1.60E-05	1.60E-04	9.59E-08
			Anthracene	3.30E-07	1.49E-04	1.49E-03	8.91E-07
			Benzo(a)anthracene	1.42E-07	6.39E-05	6.39E-04	3.83E-07
			Benzo(b)fluoranthene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(k)fluoranthene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(g,h,I)perylene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(a)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(e)pyrene	2.41E-08	1.08E-05	1.08E-04	6.51E-08
			Chrysene	5.33E-07	2.40E-04	2.40E-03	1.44E-06
			Dibenz(a,h)anthracene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Fluoranthene	3.81E-07	1.71E-04	1.71E-03	1.03E-06
			Fluorene	2.56E-06	1.15E-03	1.15E-02	6.91E-06
			Indeno(1,2,3-cd)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			2-Methylnaphthalene	1.34E-05	6.03E-03	6.03E-02	3.62E-05
			Naphthalene	4.62E-06	2.08E-03	2.08E-02	1.25E-05
			Perylene	7.62E-08	3.43E-05	3.43E-04	2.06E-07
			Phenanthrene	4.57E-06	2.06E-03	2.06E-02	1.23E-05
			Pyrene	1.12E-06	5.04E-04	5.04E-03	3.02E-06
			Phenol	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			TOC (Organic Carbon)	1.22E-02	5.49E+00	5.49E+01	3.29E-02
			Benzene	3.90E-06	1.76E-03	1.76E-02	1.05E-05
			Bromomethane	5.97E-07	2.69E-04	2.69E-03	1.61E-06
			2-Butanone	4.75E-06	2.14E-03	2.14E-02	1.28E-05
			Carbon Disulfide	1.95E-06	8.78E-04	8.78E-03	5.27E-06
			Chloroethane	4.87E-07	2.19E-04	2.19E-03	1.31E-06
			Chloromethane	2.80E-06	1.26E-03	1.26E-02	7.56E-06
			Cumene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Ethylbenzene	4.63E-05	2.08E-02	2.08E-01	1.25E-04
			Formaldehyde	8.41E-05	3.78E-02	3.78E-01	2.27E-04
			Hexane	1.22E-05	5.49E-03	5.49E-02	3.29E-05
			Isooctane	3.78E-08	1.70E-05	1.70E-04	1.02E-07
			Methylene Chloride	3.29E-06	1.48E-03	1.48E-02	8.88E-06
			MTBE	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Styrene	6.58E-07	2.96E-04	2.96E-03	1.78E-06
			Tetrachloroethene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Toluene	7.56E-06	3.40E-03	3.40E-02	2.04E-05
			1,1,1-Trichloroethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichloroethene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichlorofluoromethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Xylene (m-/p-)	2.44E-05	1.10E-02	1.10E-01	6.59E-05
			Xylene (o-)	6.95E-06	3.13E-03	3.13E-02	1.88E-05

4. Emission Factor Source: AP-42 5th Ed., updated April 2004, Tables 11.1-14, 11.1-15, and 11.1-16.

Emission Factor Equations:

Organic PM Silo Filling EF= 0.00105 (-V) e^((0.0251)(T+460)-20.43)

Organic Carbon Silo Filling EF= 0.0504 (-V) e^((0.0251)(T+460)-20.43)

Where T = Mix Temp. (325'F); V = Asphalt Volatility (-0.5)

Organic Toxic PM Silo Filling EF = Organic PM EF x % Toxic

Organic Toxic Carbon Silo Filling EF = Organic Carbon EF x % Toxic

Example Calculation:

Acenaphthene EF = 0.00105 (-V) e^((0.0251)(T+460)-20.43) x % Toxic

EF = 0.00105 (0.5) e^((0.025)1(325+460)-20.43) x 0.47% = 1.19E-06 lb/ton HMA

Emission (lb/hr) = 1.19E-06 lb/ton HMA x 600 ton/hr = 7.16E-04 lb/hr

Toxic Air Contaminant Emissions (Conveyors)

ID	Source	Description	PM10 EF (lb/ton)	Toxic Air Contaminant	TAC Conc (ppm)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
AS1	Aggregate Screen	Conveyor to scalping screen 1	7.40E-04	Arsenic	22	6.51E-06	6.51E-05	3.91E-08
				Beryllium	1	2.96E-07	2.96E-06	1.78E-09
				Cadmium	1	2.96E-07	2.96E-06	1.78E-09
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	8.29E-06	8.29E-05	4.97E-08
				Copper	37	1.10E-05	1.10E-04	6.57E-08
				Lead	50	1.48E-05	1.48E-04	8.88E-08
				Manganese	530	1.57E-04	1.57E-03	9.41E-07
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	8.29E-06	8.29E-05	4.97E-08
				Selenium	1	2.96E-07	2.96E-06	1.78E-09
TC5	Transfer Conveyor	Scalping screen to conveyor to drum burner	4.60E-05	Arsenic	22	4.05E-07	4.05E-06	2.43E-09
				Beryllium	1	1.84E-08	1.84E-07	1.10E-10
				Cadmium	1	1.84E-08	1.84E-07	1.10E-10
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	5.15E-07	5.15E-06	3.09E-09
				Copper	37	6.81E-07	6.81E-06	4.08E-09
				Lead	50	9.20E-07	9.20E-06	5.52E-09
				Manganese	530	9.75E-06	9.75E-05	5.85E-08
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	5.15E-07	5.15E-06	3.09E-09
				Selenium	1	1.84E-08	1.84E-07	1.10E-10
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.60E-05	Arsenic	22	2.64E-08	2.64E-07	1.58E-10
				Beryllium	1	1.20E-09	1.20E-08	7.20E-12
				Cadmium	1	1.20E-09	1.20E-08	7.20E-12
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	3.36E-08	3.36E-07	2.02E-10
				Copper	37	4.44E-08	4.44E-07	2.66E-10
				Lead	50	6.00E-08	6.00E-07	3.60E-10
				Manganese	530	6.36E-07	6.36E-06	3.82E-09
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	3.36E-08	3.36E-07	2.02E-10
				Selenium	1	1.20E-09	1.20E-08	7.20E-12

HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	4.60E-05	Arsenic	22	7.59E-08	7.59E-07	4.55E-10
				Beryllium	1	3.45E-09	3.45E-08	2.07E-11
				Cadmium	1	3.45E-09	3.45E-08	2.07E-11
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	9.66E-08	9.66E-07	5.80E-10
				Copper	37	1.28E-07	1.28E-06	7.66E-10
				Lead	50	1.73E-07	1.73E-06	1.04E-09
				Manganese	530	1.83E-06	1.83E-05	1.10E-08
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	9.66E-08	9.66E-07	5.80E-10
				Selenium	1	3.45E-09	3.45E-08	2.07E-11
TC6	Transfer Conveyor	Conveyor to scalping screen #2	4.60E-05	Arsenic	22	7.59E-08	7.59E-07	4.55E-10
				Beryllium	1	3.45E-09	3.45E-08	2.07E-11
				Cadmium	1	3.45E-09	3.45E-08	2.07E-11
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	9.66E-08	9.66E-07	5.80E-10
				Copper	37	1.28E-07	1.28E-06	7.66E-10
				Lead	50	1.73E-07	1.73E-06	1.04E-09
				Manganese	530	1.83E-06	1.83E-05	1.10E-08
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	9.66E-08	9.66E-07	5.80E-10
				Selenium	1	3.45E-09	3.45E-08	2.07E-11

5. Trace metal concentrations in aggregate dust released from aggregate transfer points estimates are based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Aggregate Transfer Points", modified December 30, 1998. Concentrations were reported in parts per million by weight (ppmw), which is equivalent to milligrams per kilograms (mg/kg). Trace metal concentration were converted to lbs/lbs as follows:

Example Calculation: Arsenic (lbs/lbs) = 22 mg/kg x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 2.20E-05 lbs/lbs

6. Trace metal emissions were calculated as follows:

Example Calculation: All Trace Metal Emissions = PM10 EF x Production Rate x Trace Metal Conc. (mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg)

Aggregate Hopper Bins - Arsenic (lb/hr) = (4.60E-05 lbs/ton) x (480 TPH) x (22 mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 4.86E-07 lbs/hr

Aggregate Hopper Bins - Arsenic (lb/day) = (4.60E-05 lbs/ton) x (4,640 TPD) x (22 mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 4.70E-06 lbs/day

Aggregate Hopper Bins - Arsenic (ton/yr) = (4.60E-05 lbs/ton) x (600,000 TPY) x (22 mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) / 2000 lb/ton = 3.04E-07 ton/yr

Toxic Air Contaminant Emissions (Hot Oil System Emissions)

ID	Source	Description	Toxic Air Contaminant	EF[7] (lb/MMBtu)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA4	Hot Oil Heater	Hot Oil Heater	Formaldehyde	2.55E-05	1.28E-04	1.22E-03	7.97E-05

7.HAP emission factor for HMA plant hot oil systems provided in AP-42 Final Section 11.1 updated March 2004, Table 11.1-13.

Toxic Air Contaminant Emissions (Natural Gas Combustion Fine Particulate Emissions)

ID	Source	Description	Toxic Air Contaminant	EF[8] (lb/MMBtu)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA1	Hot Mix Asphalt Burner	HMA Dryer Burner	PM0.5	7.45E-03	7.50E-01	7.50E+00	4.47E-01
HMA4	Hot Oil Heater	Hot Oil Heater	PM0.5	7.45E-03	3.73E-02	3.58E-01	2.33E-02

8.Emission factors for natural gas combustion fine particulates from the HMA dryer burner is based on AP-42, Section 1.4, Table 1.4-2 and assumes all particulate is less than 1 um in diameter.

Summary Totals

Toxic	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	2.87E-04	2.87E-03	1.68E-04
Beryllium	3.23E-07	3.23E-06	1.94E-09
Cadmium	2.05E-04	2.05E-03	1.23E-04
Hex-Chromium	2.25E-04	2.25E-03	1.35E-04
Chromium	2.76E-03	2.76E-02	1.65E-03
Copper	1.56E-03	1.56E-02	9.30E-04
Lead	3.26E-04	3.26E-03	1.86E-04
Manganese	4.02E-03	4.02E-02	2.31E-03
Mercury	1.20E-04	1.20E-03	7.20E-05
Nickel	3.15E-02	3.15E-01	1.89E-02
Selenium	1.75E-04	1.75E-03	1.05E-04
Zinc	3.05E-02	3.05E-01	1.83E-02

Concrete Ready Mix Plant - Dust and Toxic Emissions

High Production:

5,000	cy/day
500,000	cy/year
1,000	TPH
10,000	TPD
100,000	TPY
10	hrs/day

11% Cement		2% Cement Supplement		80% Aggregate and Sand	
110	TPH Cement	20	TPH Supp	800	TPH Agg&Sand
1,100	TPD Cement	200	TPD Supp	8,000	TPD Agg&Sand
11,000	TPY Cement	2,000	TPY Supp	80,000	TPY Agg&Sand

Note 7% water

Emission Factors

ID	Source	PM10 (lb/ton)	PM2.5 (lb/ton)
CBP1	Cement Unloading	3.40E-04	7.85E-05
CBP2	Cement Supp Unloa	4.90E-03	1.13E-03
CBP3	Weigh Hopper Load	2.40E-05	5.54E-06
CBP4	Central Mix Loading	2.43E-03	1.10E-03

*Conveyors to Concrete Batch Plant are shown with the Aggregate emission sources.

ID	Source	PM10 Emissions			PM2.5 Emissions		
		lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
CBP1	Cement Unloading	0.04	0.37	0.00	0.01	0.09	0.00
CBP2	Cement Supp Unloa	0.10	0.98	0.00	0.02	0.23	0.00
CBP3	Weigh Hopper Load	0.02	0.19	0.00	0.00	0.04	0.00
CBP4	Central Mix Loading	0.32	3.16	0.02	0.14	1.43	0.01
	Total	0.47	4.71	0.02	0.18	1.79	0.01

Notes:

1. Emission Factor Source: SDAPCD Engineering Emissions Inventory
https://www.sandiegocounty.gov/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Mineral_Products_Calc.html

ID	Operation	AB2588 Toxic Air Contaminant	Ci (ppmw)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
CBP1	Concrete Plant Cement Unloading to Storage Silo w/ Baghouse	Arsenic	22	8.23E-07	8.23E-06	4.11E-08
		Beryllium	1	3.74E-08	3.74E-07	1.87E-09
		Cadmium	1	3.74E-08	3.74E-07	1.87E-09
		Hex-Chromium	5	1.87E-07	1.87E-06	9.35E-09
		Chromium	58	2.17E-06	2.17E-05	1.08E-07
		Copper	30	1.12E-06	1.12E-05	5.61E-08
		Lead	12	4.49E-07	4.49E-06	2.24E-08
		Manganese	400	1.50E-05	1.50E-04	7.48E-07
		Nickel	25	9.35E-07	9.35E-06	4.68E-08
		Selenium	1	3.74E-08	3.74E-07	1.87E-09
		Crystalline Silica	-	0.00E+00	0.00E+00	0.00E+00
		Zinc	92	3.44E-06	3.44E-05	1.72E-07
CBP2	Concrete Plant Cement Supplement (Fly Ash) Unloading to Storage Silo w/ Baghouse	Arsenic	15	1.47E-06	1.47E-05	7.35E-08
		Beryllium	2	1.96E-07	1.96E-06	9.80E-09
		Cadmium	1	9.80E-08	9.80E-07	4.90E-09
		Hex-Chromium	3	2.94E-07	2.94E-06	1.47E-08
		Chromium	26	2.55E-06	2.55E-05	1.27E-07
		Copper	23	2.25E-06	2.25E-05	1.13E-07
		Lead	15	1.47E-06	1.47E-05	7.35E-08
		Manganese	80	7.84E-06	7.84E-05	3.92E-07
		Nickel	12	1.18E-06	1.18E-05	5.88E-08
		Selenium	1	9.80E-08	9.80E-07	4.90E-09
		Crystalline Silica	-	0.00E+00	0.00E+00	0.00E+00
		Zinc	30	2.94E-06	2.94E-05	1.47E-07

CBP3	Concrete Plant Weight Hopper Loading w/ Baghouse	Arsenic	15	2.88E-07	2.88E-06	1.44E-08
		Beryllium	1	1.92E-08	1.92E-07	9.60E-10
		Cadmium	1	1.92E-08	1.92E-07	9.60E-10
		Hex-Chromium	2	3.84E-08	3.84E-07	1.92E-09
		Chromium	50	9.60E-07	9.60E-06	4.80E-08
		Copper	46	8.83E-07	8.83E-06	4.42E-08
		Lead	33	6.34E-07	6.34E-06	3.17E-08
		Manganese	420	8.06E-06	8.06E-05	4.03E-07
		Nickel	18	3.46E-07	3.46E-06	1.73E-08
		Selenium	1	1.92E-08	1.92E-07	9.60E-10
		Crystalline Silica	100,000	1.92E-03	1.92E-02	9.60E-05
		Zinc	140	2.69E-06	2.69E-05	1.34E-07
CBP4	Concrete Plant Central Mix Batching/Loading w/ Baghouse	Arsenic	15	4.74E-06	4.74E-05	2.37E-07
		Beryllium	1	3.16E-07	3.16E-06	1.58E-08
		Cadmium	1	3.16E-07	3.16E-06	1.58E-08
		Hex-Chromium	2	6.32E-07	6.32E-06	3.16E-08
		Chromium	50	1.58E-05	1.58E-04	7.90E-07
		Copper	46	1.45E-05	1.45E-04	7.27E-07
		Lead	33	1.04E-05	1.04E-04	5.21E-07
		Manganese	420	1.33E-04	1.33E-03	6.63E-06
		Nickel	18	5.69E-06	5.69E-05	2.84E-07
		Selenium	1	3.16E-07	3.16E-06	1.58E-08
		Crystalline Silica	100,000	3.16E-02	3.16E-01	1.58E-03
		Zinc	140	4.42E-05	4.42E-04	2.21E-06
1. Emission Factor Source: Concrete Batch Plant Toxic Emission Factors based on AP-42 11.12 Concrete Batching, June 2006 Final						

Summary Totals

AB2588 Toxic Air Contaminant	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	7.32E-06	7.32E-05	3.66E-07
Beryllium	5.69E-07	5.69E-06	2.84E-08
Cadmium	4.71E-07	4.71E-06	2.35E-08
Hex-Chromium	1.15E-06	1.15E-05	5.76E-08
Chromium	2.15E-05	2.15E-04	1.07E-06
Copper	1.88E-05	1.88E-04	9.40E-07
Lead	1.30E-05	1.30E-04	6.49E-07
Manganese	1.64E-04	1.64E-03	8.18E-06
Nickel	8.14E-06	8.14E-05	4.07E-07
Selenium	4.71E-07	4.71E-06	2.35E-08
Crystalline Silica	3.35E-02	3.35E-01	1.68E-03
Zinc	5.33E-05	5.33E-04	2.66E-06

Onsite Vehicle Fugitive Emissions - Unpaved Roads

Vehicle Activity

ID	Source	Quantity	Miles per round trip	Load Weight (tons)	Material Transferred (tons)			VMT		
					Hourly	Daily	Annual	Hourly	Daily	Annual
MHT	Off-Road Aggregate Haul Trucks[1]	2	0.50	100	1,100	11,000	1,600,000	5.50	55	8,000
L1	Loader 1	1	0.06	12.50	363	3,630	528,000	1.74	17.42	2,534
L2	Loader 2	2	0.32	12.50	165	1,650	240,000	4.22	42.24	6,144
L3	Loader 3	3	0.10	12.50	22	220	32,000	0.18	1.76	256
WT1	Water Truck	1	See operating schedule in Delivery Truck and Employee Vehicle Section. VMT calculated from hours of operation and vehicle speed (10 mph).					1	10	3,050
T1	Service Truck	2						1.50	15	4,700
T2	Pick-up Truck - small	1						1	10	2,200
T3	Pick-up Truck - large	1						0.50	5	1,500
T5	Fuel/Lube Truck	1						0.40	4	1,112
T6	Product Delivery Trucks	314						20.50	205	62,538

1. Includes off-road haul trucks only. Trucks hauling asphalt, asphalt oil, cement and concrete travel on paved roads only.
2. 50 percent of time small vehicles are on paved surfaces.

Emission Factors

ID	Source	k(PM10)	k(pm2.5)	s	W	% Control Efficiency)	Moisture	PM10 EF (lb/vmt)	PM2.5 EF (lb/vmt)
MHT	Off-Road Aggregate Haul Trucks	1.5	0.15	13.6	230.00	95%	5.7	0.592	0.059
L1	Loader 1	1.5	0.15	13.6	62.75	95%	5.7	0.330	0.033
L2	Loader 2	1.5	0.15	13.6	62.75	95%	5.7	0.330	0.033
L3	Loader 3	1.5	0.15	13.6	62.75	95%	5.7	0.330	0.033
WT1	Water Truck	1.5	0.15	13.6	22.50	95%	5.7	0.208	0.021
T1	Service Truck	1.5	0.15	13.6	2.50	95%	5.7	0.077	0.008
T2	Pick-up Truck - small	1.5	0.15	13.6	1.50	95%	5.7	0.061	0.006
T3	Pick-up Truck - large	1.5	0.15	13.6	2.00	95%	5.7	0.070	0.007
T5	Fuel/Lube Truck	1.5	0.15	13.6	2.50	95%	5.7	0.077	0.008
T6	Product Delivery Trucks	See data in Delivery Truck and Employee Vehicle Section.							

1. Average silt content from MOP Section D(1). Mositure content for quarry roads with routine on-site watering.
2. The vehicle weights are based on the average weight of unloaded and loaded weights for haul trucks and water truck. The other vehicle weights are based on the estimated Gross Mean Vehicle Weight provided by the manufacturers.
3. MOP Section 13.6(D)(2) assigns default maximum control efficiency of 95%.

Emission Factor Source: AP-42 5th edition, Section 13.2.2, Unpaved Roads, Rev. November 2006.

$E=k(s/12)^a(W/3)^b$

E=emisison factor in lb/VMT a = 0.9

k = particle size multiplier b = 0.45

s = silt contect of road surface materials,

W = mean vehicle weight, ton

The following table summarizes the weight basis:

Vehicle Type	Advertised Empty	Load Weight	Avg. Weight	Source
Off-Road Aggregate Haul Trucks	180	100	230	Caterpillar advertised weights and capacities
Loader 1	56.5	12.5	62.75	
Loader 2	56.5	12.5	62.75	
Loader 3	56.5	12.5	62.75	
Water Truck	15	15	22.5	
Service Truck	2.5	n/a	2.5	Manufacturer advertised weights for vehicle class
Pick-up Truck - small	1.5	n/a	1.5	
Pick-up Truck - large	2	n/a	2	
Fuel/Lube Truck	2.5	n/a	2.5	

Phase 2 and Phase 3 - PM10 and PM2.5 Emission Rates - Unpaved Road Dust

		PM10 Emissions			PM2.5 Emissions		
ID	Source	lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
MHT	Off-Road Aggregate Haul Trucks	3.25	32.54	2.37	0.33	3.25	0.24
L1	Loader 1	0.57	5.75	0.42	0.06	0.57	0.04
L2	Loader 2	1.39	13.93	1.01	0.14	1.39	0.10
L3	Loader 3	0.06	0.58	0.04	0.01	0.06	0.00
WT1	Water Truck	0.21	2.08	0.32	0.02	0.21	0.03
T1	Service Truck	0.12	1.16	0.18	0.01	0.12	0.02
T2	Pick-up Truck - small	0.06	0.61	0.07	0.01	0.06	0.01
T3	Pick-up Truck - large	0.03	0.35	0.05	0.00	0.03	0.01
T5	Fuel/Lube Truck	0.03	0.31	0.04	0.00	0.03	0.00
	Total	**5.73**	**57.31**	**4.50**	**0.57**	**5.73**	**0.45**

Phase 4 - PM10 and PM2.5 Emission Rates - Unpaved Road Dust

		PM10 Emissions			PM2.5 Emissions		
ID	Source	lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
WT1	Water Truck	0.21	2.08	0.32	0.02	0.21	0.03
T1	Service Truck	0.12	1.16	0.18	0.01	0.12	0.02
T2	Pick-up Truck - small	0.06	0.61	0.07	0.01	0.06	0.01
T3	Pick-up Truck - large	0.03	0.35	0.05	0.00	0.03	0.01
T5	Fuel/Lube Truck	0.03	0.31	0.04	0.00	0.03	0.00
	Total	**0.45**	**4.51**	**0.66**	**0.05**	**0.45**	**0.07**

Toxic Emissions - Unpaved Roads

ID	Operations	AB2588 Toxic Air Contaminant	Ci (ppmw)	EF[1] (lb/vmt)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
MHT	Off-Road Aggregate Haul Trucks	Arsenic	21	1.24244E-05	6.83E-05	6.83E-04	4.97E-05
		Beryllium	1	5.91638E-07	3.25E-06	3.25E-05	2.37E-06
		Cadmium	1	5.91638E-07	3.25E-06	3.25E-05	2.37E-06
		Hex-Chromium	0				
		Chromium	25	1.4791E-05	8.14E-05	8.14E-04	5.92E-05
		Copper	40	2.36655E-05	1.30E-04	1.30E-03	9.47E-05
		Lead	30	1.77491E-05	9.76E-05	9.76E-04	7.10E-05
		Manganese	490	0.000289903	1.59E-03	1.59E-02	1.16E-03
		Nickel	19	1.12411E-05	6.18E-05	6.18E-04	4.50E-05
		Selenium	1	5.91638E-07	3.25E-06	3.25E-05	2.37E-06
		Crystalline Silica	100,000	0.059163808	3.25E-01	3.25E+00	2.37E-01
		Zinc	112	6.62635E-05	3.64E-04	3.64E-03	2.65E-04
L1	Loader 1	Arsenic	21	6.92507E-06	1.21E-05	1.21E-04	8.78E-06
		Beryllium	1	3.29765E-07	5.75E-07	5.75E-06	4.18E-07
		Cadmium	1	3.29765E-07	5.75E-07	5.75E-06	4.18E-07
		Hex-Chromium					
		Chromium	25	8.24413E-06	1.44E-05	1.44E-04	1.04E-05
		Copper	40	1.31906E-05	2.30E-05	2.30E-04	1.67E-05
		Lead	30	9.89295E-06	1.72E-05	1.72E-04	1.25E-05
		Manganese	490	0.000161585	2.82E-04	2.82E-03	2.05E-04
		Nickel	19	6.26554E-06	1.09E-05	1.09E-04	7.94E-06
		Selenium	1	3.29765E-07	5.75E-07	5.75E-06	4.18E-07
		Crystalline Silica	100,000	0.032976516	5.75E-02	5.75E-01	4.18E-02
		Zinc	112	3.69337E-05	6.44E-05	6.44E-04	4.68E-05
L2	Loader 2	Arsenic	21	6.92507E-06	2.93E-05	2.93E-04	2.13E-05
		Beryllium	1	3.29765E-07	1.39E-06	1.39E-05	1.01E-06
		Cadmium	1	3.29765E-07	1.39E-06	1.39E-05	1.01E-06
		Chromium	25	8.24413E-06	3.48E-05	3.48E-04	2.53E-05
		Copper	40	1.31906E-05	5.57E-05	5.57E-04	4.05E-05
		Lead	30	9.89295E-06	4.18E-05	4.18E-04	3.04E-05
		Manganese	490	0.000161585	6.83E-04	6.83E-03	4.96E-04
		Nickel	19	6.26554E-06	2.65E-05	2.65E-04	1.92E-05
		Selenium	1	3.29765E-07	1.39E-06	1.39E-05	1.01E-06
		Crystalline Silica	100,000	0.032976516	1.39E-01	1.39E+00	1.01E-01
		Zinc	112	3.69337E-05	1.56E-04	1.56E-03	1.13E-04
L3	Loader 3	Arsenic	21	6.92507E-06	1.22E-06	1.22E-05	8.86E-07
		Beryllium	1	3.29765E-07	5.80E-08	5.80E-07	4.22E-08
		Cadmium	1	3.29765E-07	5.80E-08	5.80E-07	4.22E-08
		Hex-Chromium					
		Chromium	25	8.24413E-06	1.45E-06	1.45E-05	1.06E-06
		Copper	40	1.31906E-05	2.32E-06	2.32E-05	1.69E-06
		Lead	30	9.89295E-06	1.74E-06	1.74E-05	1.27E-06
		Manganese	490	0.000161585	2.84E-05	2.84E-04	2.07E-05
		Nickel	19	6.26554E-06	1.10E-06	1.10E-05	8.02E-07
		Selenium	1	3.29765E-07	5.80E-08	5.80E-07	4.22E-08
		Crystalline Silica	100,000	0.032976516	5.80E-03	5.80E-02	4.22E-03
		Zinc	112	3.69337E-05	6.50E-06	6.50E-05	4.73E-06

WT1	Water Truck	Arsenic	21	4.36496E-06	4.36E-06	4.36E-05	6.66E-06
		Beryllium	1	2.07855E-07	2.08E-07	2.08E-06	3.17E-07
		Cadmium	1	2.07855E-07	2.08E-07	2.08E-06	3.17E-07
		Hex-Chromium					
		Chromium	25	5.19638E-06	5.20E-06	5.20E-05	7.92E-06
		Copper	40	8.3142E-06	8.31E-06	8.31E-05	1.27E-05
		Lead	30	6.23565E-06	6.24E-06	6.24E-05	9.51E-06
		Manganese	490	0.000101849	1.02E-04	1.02E-03	1.55E-04
		Nickel	19	3.94925E-06	3.95E-06	3.95E-05	6.02E-06
		Selenium	1	2.07855E-07	2.08E-07	2.08E-06	3.17E-07
		Crystalline Silica	100,000	0.020785512	2.08E-02	2.08E-01	3.17E-02
		Zinc	112	2.32798E-05	2.33E-05	2.33E-04	3.55E-05
T1	Service Truck	Arsenic	21	1.62394E-06	2.44E-06	2.44E-05	3.82E-06
		Beryllium	1	7.73306E-08	1.16E-07	1.16E-06	1.82E-07
		Cadmium	1	7.73306E-08	1.16E-07	1.16E-06	1.82E-07
		Hex-Chromium					
		Chromium	25	1.93327E-06	2.90E-06	2.90E-05	4.54E-06
		Copper	40	3.09323E-06	4.64E-06	4.64E-05	7.27E-06
		Lead	30	2.31992E-06	3.48E-06	3.48E-05	5.45E-06
		Manganese	490	3.7892E-05	5.68E-05	5.68E-04	8.90E-05
		Nickel	19	1.46928E-06	2.20E-06	2.20E-05	3.45E-06
		Selenium	1	7.73306E-08	1.16E-07	1.16E-06	1.82E-07
		Crystalline Silica	100,000	0.007733064	1.16E-02	1.16E-01	1.82E-02
		Zinc	112	8.66103E-06	1.30E-05	1.30E-04	2.04E-05
T2	Pick-up - small	Arsenic	21	1.29044E-06	1.29E-06	1.29E-05	1.42E-06
		Beryllium	1	6.14497E-08	6.14E-08	6.14E-07	6.76E-08
		Cadmium	1	6.14497E-08	6.14E-08	6.14E-07	6.76E-08
		Hex-Chromium					
		Chromium	25	1.53624E-06	1.54E-06	1.54E-05	1.69E-06
		Copper	40	2.45799E-06	2.46E-06	2.46E-05	2.70E-06
		Lead	30	1.84349E-06	1.84E-06	1.84E-05	2.03E-06
		Manganese	490	3.01103E-05	3.01E-05	3.01E-04	3.31E-05
		Nickel	19	1.16754E-06	1.17E-06	1.17E-05	1.28E-06
		Selenium	1	6.14497E-08	6.14E-08	6.14E-07	6.76E-08
		Crystalline Silica	100,000	0.006144969	6.14E-03	6.14E-02	6.76E-03
		Zinc	112	6.88236E-06	6.88E-06	6.88E-05	7.57E-06
T3	Pick-up - large	Arsenic	21	1.4688E-06	7.34E-07	7.34E-06	1.10E-06
		Beryllium	1	6.99427E-08	3.50E-08	3.50E-07	5.25E-08
		Cadmium	1	6.99427E-08	3.50E-08	3.50E-07	5.25E-08
		Hex-Chromium					
		Chromium	25	1.74857E-06	8.74E-07	8.74E-06	1.31E-06
		Copper	40	2.79771E-06	1.40E-06	1.40E-05	2.10E-06
		Lead	30	2.09828E-06	1.05E-06	1.05E-05	1.57E-06
		Manganese	490	3.42719E-05	1.71E-05	1.71E-04	2.57E-05
		Nickel	19	1.32891E-06	6.64E-07	6.64E-06	9.97E-07
		Selenium	1	6.99427E-08	3.50E-08	3.50E-07	5.25E-08
		Crystalline Silica	100,000	0.006994265	3.50E-03	3.50E-02	5.25E-03
		Zinc	112	7.83358E-06	3.92E-06	3.92E-05	5.88E-06
T5	Fuel/Lube Truck	Arsenic	21	1.62394E-06	6.50E-07	6.50E-06	9.03E-07
		Beryllium	1	7.73306E-08	3.09E-08	3.09E-07	4.30E-08
		Cadmium	1	7.73306E-08	3.09E-08	3.09E-07	4.30E-08
		Hex-Chromium					
		Chromium	25	1.93327E-06	7.73E-07	7.73E-06	1.07E-06
		Copper	40	3.09323E-06	1.24E-06	1.24E-05	1.72E-06
		Lead	30	2.31992E-06	9.28E-07	9.28E-06	1.29E-06
		Manganese	490	3.7892E-05	1.52E-05	1.52E-04	2.11E-05
		Nickel	19	1.46928E-06	5.88E-07	5.88E-06	8.17E-07
		Selenium	1	7.73306E-08	3.09E-08	3.09E-07	4.30E-08
		Crystalline Silica	100,000	0.007733064	3.09E-03	3.09E-02	4.30E-03
		Zinc	112	8.66103E-06	3.46E-06	3.46E-05	4.82E-06

T6	Product Delivery Trucks	Arsenic	21	See data in Delivery Truck and Employee Vehicle Section.	2.68E-09	2.68E-08	2.40E-09
		Beryllium	1		1.28E-10	1.28E-09	1.14E-10
		Cadmium	1		1.28E-10	1.28E-09	1.14E-10
		Hex-Chromium			0.00E+00	0.00E+00	0.00E+00
		Chromium	25		3.19E-09	3.19E-08	2.86E-09
		Copper	40		5.11E-09	5.11E-08	4.57E-09
		Lead	30		3.83E-09	3.83E-08	3.43E-09
		Manganese	490		6.26E-08	6.26E-07	5.60E-08
		Nickel	19		2.43E-09	2.43E-08	2.17E-09
		Selenium	1		1.28E-10	1.28E-09	1.14E-10
		Crystalline Silica	100,000		1.28E-05	1.28E-04	1.14E-05
		Zinc	112		1.43E-08	1.43E-07	1.28E-08

1 Trace metal concentrations in dust released from unpaved haul roads at mineral industry sites estimates are based upon test results from several San Diego County mineral product facilitiesprovided to the District by AWR Consultants in July 1996.
Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Haul Roads at Mineral Industry Sites", updated August 24, 1999.

Example Aggregate Haul Truck Calculation:

Arsenic (lb/VMT): EF = PM10 EF x Ci

Arsenic (lb/day): EAs = EF x Daily VMT

EAs = 7.18E-06 x 90 VMT/day = 6.47E-04

Summary Totals

Toxic	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	1.20E-04	1.20E-03	9.45E-05
Beryllium	5.73E-06	5.73E-05	4.50E-06
Cadmium	5.73E-06	5.73E-05	4.50E-06
Hex-Chromium			
Chromium	1.43E-04	1.43E-03	1.13E-04
Copper	2.29E-04	2.29E-03	1.80E-04
Lead	1.72E-04	1.72E-03	1.35E-04
Manganese	2.81E-03	2.81E-02	2.21E-03
Nickel	1.09E-04	1.09E-03	8.55E-05
Selenium	5.73E-06	5.73E-05	4.50E-06
Crystalline Silica	5.73E-01	5.73E+00	4.50E-01
Zinc	6.42E-04	6.42E-03	5.04E-04

Recycled Material Plant Dust and TAC Emissions

Production Rate (High):

Hourly	300	TPH
Daily	2400	TPD
Annual	732000	TPY

Operating Hours:

8	hr/day
2440	hr/yr

Dust Emissions

ID	Description	PM10 EF (lb/ton)	PM2.5 EF (lb/ton)	PM10 (lb/day)	PM10 (TPY)	PM2.5 (lb/day)	PM2.5 (TPY)
RF-1	Recycle Loaded to Feeder	5.40E-04	1.00E-04	1.30E+00	1.98E-01	2.40E-01	3.66E-02
RCR-1	Recycle Crushing	5.40E-04	1.00E-04	1.30E+00	1.98E-01	2.40E-01	3.66E-02
RCR-2	Recycle Crushing	1.35E-05	2.50E-06	3.24E-02	4.94E-03	6.00E-03	9.15E-04
RB-1	Conveyor from Jaw to Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-2	Conveyor to Feed Screen RS-2	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-3	Conveyor from Impact Crusher Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-4	Conveyor Close Circuit	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-5	Conveyor under Screen Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-6	Conveyor Radial Stacking	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-7	Conveyor Product Transfer	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-8	Conveyor Radial Stacking	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-9	Conveyor to Screen RS-1	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-10	Conveyor from Screen RS-1 Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RS-1	DD Screen	7.40E-04	5.00E-05	1.78E+00	2.71E-01	1.20E-01	1.83E-02
RS-2	TD Dry Screen	7.40E-04	5.00E-05	1.78E+00	2.71E-01	1.20E-01	1.83E-02
			Totals	**7.28E+00**	**1.11E+00**	**1.04E+00**	**1.58E-01**

Trace Metal Concentrations in Aggregate Dust Released From Aggregate Transfer Points[1]

Ci Arsenic (ppmw)	Ci Beryllium (ppmw)	Ci Cadmium (ppmw)	Ci Hex-Chromium (ppmw)	Ci Chromium (ppmw)	Ci Copper (ppmw)	Ci Lead (ppmw)	Ci Manganese (ppmw)	Ci Mercury (ppmw)	Ci Nickel (ppmw)	Ci Selenium (ppmw)
22	1	1	0	28	37	50	530	0	28	1

1. Trace metal concentrations in aggregate dust released from aggregate transfer points estimates are based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Aggregate Transfer Points", modified December 30, 1998. Concentrations were reported in parts per million by weight (ppmw), which is equivalent to milligrams per kilograms (mg/kg). Trace metal concentration were converted to lbs/lbs as follows:

Example Calculation: Arsenic (lbs/lbs) = 22 mg/kg x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 2.20E-05 lbs/lbs

This factor is then multiplied by the PM10 emission factor, to yield toxic compound emissions.

Toxic Air Contaminant Emissions (Pounds per Hour)

ID	Description	Feed Rate (TPH)	PM10 EF (lb/ton)	Arsenic	Beryllium	Cadmium	Hex-Chromium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium
RF-1	Recycle Loaded to Feeder	300	5.40E-04	3.56E-06	1.62E-07	1.62E-07	0.00E+00	4.54E-06	5.99E-06	8.10E-06	8.59E-05	0.00E+00	4.54E-06	1.62E-07
RCR-1	Recycle Crushing	300	5.40E-04	3.56E-06	1.62E-07	1.62E-07	0.00E+00	4.54E-06	5.99E-06	8.10E-06	8.59E-05	0.00E+00	4.54E-06	1.62E-07
RCR-2	Recycle Crushing	300	1.35E-05	8.91E-08	4.05E-09	4.05E-09	0.00E+00	1.13E-07	1.50E-07	2.03E-07	2.15E-06	0.00E+00	1.13E-07	4.05E-09
RB-1	Conveyor from Jaw to Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-2	Conveyor to Feed Screen RS-2	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-3	Conveyor from Impact Crusher Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-4	Conveyor Close Circuit	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-5	Conveyor under Screen Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-6	Conveyor Radial Stacking	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-7	Conveyor Product Transfer	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-8	Conveyor Radial Stacking	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-9	Conveyor to Screen RS-1	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-10	Conveyor from Screen RS-1 Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RS-1	DD Screen	300	7.40E-04	4.88E-06	2.22E-07	2.22E-07	0.00E+00	6.22E-06	8.21E-06	1.11E-05	1.18E-04	0.00E+00	6.22E-06	2.22E-07
RS-2	TD Dry Screen	300	7.40E-04	4.88E-06	2.22E-07	2.22E-07	0.00E+00	6.22E-06	8.21E-06	1.11E-05	1.18E-04	0.00E+00	6.22E-06	2.22E-07
			Totals (lb/hr)	**2.00E-05**	**9.10E-07**	**9.10E-07**	**0.00E+00**	**2.55E-05**	**3.37E-05**	**4.55E-05**	**4.82E-04**	**0.00E+00**	**2.55E-05**	**9.10E-07**

Toxic Air Contaminant Emissions (Pounds per Day)

ID	Description	Feed Rate (TPH)	PM10 EF (lb/ton)	Arsenic	Beryllium	Cadmium	Hex-Chromium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium
RF-1	Recycle Loaded to Feeder	300	5.40E-04	2.85E-05	1.30E-06	1.30E-06	0.00E+00	3.63E-05	4.80E-05	6.48E-05	6.87E-04	0.00E+00	3.63E-05	1.30E-06
RCR-1	Recycle Crushing	300	5.40E-04	2.85E-05	1.30E-06	1.30E-06	0.00E+00	3.63E-05	4.80E-05	6.48E-05	6.87E-04	0.00E+00	3.63E-05	1.30E-06
RCR-2	Recycle Crushing	300	1.35E-05	7.13E-07	3.24E-08	3.24E-08	0.00E+00	9.07E-07	1.20E-06	1.62E-06	1.72E-05	0.00E+00	9.07E-07	3.24E-08
RB-1	Conveyor from Jaw to Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-2	Conveyor to Feed Screen RS-2	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-3	Conveyor from Impact Crusher Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-4	Conveyor Close Circuit	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-5	Conveyor under Screen Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-6	Conveyor Radial Stacking	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-7	Conveyor Product Transfer	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-8	Conveyor Radial Stacking	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-9	Conveyor to Screen RS-1	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-10	Conveyor from Screen RS-1 Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RS-1	DD Screen	300	7.40E-04	3.91E-05	1.78E-06	1.78E-06	0.00E+00	4.97E-05	6.57E-05	8.88E-05	9.41E-04	0.00E+00	4.97E-05	1.78E-06
RS-2	TD Dry Screen	300	7.40E-04	3.91E-05	1.78E-06	1.78E-06	0.00E+00	4.97E-05	6.57E-05	8.88E-05	9.41E-04	0.00E+00	4.97E-05	1.78E-06
			Totals (lb/hr)	**1.60E-04**	**7.28E-06**	**7.28E-06**	**0.00E+00**	**2.04E-04**	**2.69E-04**	**3.64E-04**	**3.86E-03**	**0.00E+00**	**2.04E-04**	**7.28E-06**

Toxic Air Contaminant Emissions (Tons per Year)

ID	Description	Feed Rate (TPH)	PM10 EF (lb/ton)	Arsenic	Beryllium	Cadmium	Hex-Chromium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium
RF-1	Recycle Loaded to Feeder	300	5.40E-04	4.35E-06	1.98E-07	1.98E-07	0.00E+00	5.53E-06	7.31E-06	9.88E-06	1.05E-04	0.00E+00	5.53E-06	1.98E-07
RCR-1	Recycle Crushing	300	5.40E-04	4.35E-06	1.98E-07	1.98E-07	0.00E+00	5.53E-06	7.31E-06	9.88E-06	1.05E-04	0.00E+00	5.53E-06	1.98E-07
RCR-2	Recycle Crushing	300	1.35E-05	1.09E-07	4.94E-09	4.94E-09	0.00E+00	1.38E-07	1.83E-07	2.47E-07	2.62E-06	0.00E+00	1.38E-07	4.94E-09
RB-1	Conveyor from Jaw to Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-2	Conveyor to Feed Screen RS-2	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-3	Conveyor from Impact Crusher Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-4	Conveyor Close Circuit	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-5	Conveyor under Screen Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-6	Conveyor Radial Stacking	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-7	Conveyor Product Transfer	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-8	Conveyor Radial Stacking	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-9	Conveyor to Screen RS-1	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-10	Conveyor from Screen RS-1 Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RS-1	DD Screen	300	7.40E-04	5.96E-06	2.71E-07	2.71E-07	0.00E+00	7.58E-06	1.00E-05	1.35E-05	1.44E-04	0.00E+00	7.58E-06	2.71E-07
RS-2	TD Dry Screen	300	7.40E-04	5.96E-06	2.71E-07	2.71E-07	0.00E+00	7.58E-06	1.00E-05	1.35E-05	1.44E-04	0.00E+00	7.58E-06	2.71E-07
			Totals (lb/hr)	**2.44E-05**	**1.11E-06**	**1.11E-06**	**0.00E+00**	**3.11E-05**	**4.11E-05**	**5.55E-05**	**5.88E-04**	**0.00E+00**	**3.11E-05**	**1.11E-06**

2.Based on emission factor for truck unloading of fragmented stone to the feeder provided in Table 11.19.2-2., AP-42 5th Ed. Final Section 11.19.2 updated August 2004.

3.Based on controlled emission factors (with wet suppression) for applicable activity provided in Table 11.19.2-2 (Crushed Stone Processing and Pulverized Mineral Processing), AP-42 5th Ed. Final Section 11.19.2 updated August 2004. Wet Suppression is consistent with SDAPCD Rule 55.

Fuel Storage Tanks

Diesel Storage Tank

Tank Capacity	12000	gallon	
Tank Diameter	10	feet	
Tank Shell Height	22	feet	
Annual Throughput	375000	gallon	

Oil Tank

Tank Capacity	15000	gallon	
Tank Diameter	11	feet	
Tank Shell Height	22	feet	
Annual Throughput	404872	gallon	x 2 tanks

ID	Source	Daily VOC Emissions (lbs/day)	Annual VOC Emissions (lb/yr)	Annual VOC Emissions (TPY)
DST	Diesel Storage Tank	0.02	6.64	0.0033
AOT	Asphalt Oil Tank	0.00	0.49	0.0002
AOT	Asphalt Oil Tank	0.00	0.49	0.0002
	TOTAL	0.02	7.62	0.0037

Note: Emissions from fuel storage tanks were calculated using Tanks 4.0, version 4.09b.
Oil being stored - Residual oil no. 6

Oil (quantity)

25500	Tons
809745	Gallons

Oil Tank Diameter

15,000 gallons = 2,005 cu.ft.

V=pi(r)^2xh

r = ~5.4

d = ~11

Fuel Storage Tanks

Diesel Storage Tank

Tank Capacity	10000	gallon
Tank Diameter	8	feet
Tank Shell Height	27	feet
Annual Throughput	290000	gallon

ID	Source	Toxic Air Contaminant	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
DST1	Diesel Storage Tank 1	Hexane (-n)	0.00E+00	0.00E+00	0.00E+00
		Benzene	2.28E-06	5.48E-05	1.00E-05
		Toluene	2.40E-05	5.75E-04	1.05E-04
		Ethylbenzene	3.42E-06	8.22E-05	1.50E-05
		Xylene (-m)	6.28E-05	1.51E-03	2.75E-04
		1,2,4-Trimethylbenzene	5.02E-05	1.21E-03	2.20E-04

Note: Emissions from fuel storage tanks were calculated using Tanks 4.0, version 4.09b.

Fugitive PM10 Emissions - Reclamation

Land Fill and Reclamation Activity

Vehicle Travel (unpaved)

ID	Source	Miles per round trip	tons/load	Material Transferred (Tons)		VMT	
				Daily	Annual	Daily	Annual
ReclHT1	Off-Road Haul Trucks	0.5	27	3510	642330	65	11895
ReclRG1	Bulldozer	0.5	90	3510	642330	19.5	3568.5

Note: No additional equipment will be used for reclamation activities. Therefore, no additional tailpipe exhaust emissions will be generated (the hours of operation are already accounted for in the on-site vehicle emissions calculations).

Emission Factors
Vehicle Travel

ID	Source	k (PM10)	k (PM2.5)	s	W	% Control Efficiency	Moisture	PM10 EF lb/VMT	PM2.5 EF lb/VMT
ReclHT1	Off-Road Haul Trucks	1.5	0.15	6.9	230.00	95%	5.7	0.321	0.032
ReclRG1	Bulldozer	1.5	0.15	6.9	77.00	95%	5.7	0.196	0.020

Notes:
1. Silt and moisture content is geometric means for overburden reported in Table 11.9-3 of AP-42
2. Haul truck weight based on the average weight of unloaded and loaded weight. Bulldozer weight based on the estimated Gross Mean Vehicle Weight provided by manufacturer.
3. MOP Section 13.6(D)(2) assigns default maximum control efficiency of 95%.

Emission Factor Source: AP-42 5th edition, Section 13.2.2, Unpaved Roads, Rev. November 2006.

$E=k(s/12)^a(W/3)^b$

E=emisison factor in lb/VMT a = 0.9

k = particle size multiplier b = 0.45

s = silt contect of road surface materials,

W = mean vehicle weight, ton

Material Transfer

ID	Source	k (PM10)	k (PM2.5)	U (mph)	M (%)	PM10 EF lb/ton	PM2.5 EF lb/ton
ReclLD1	Haul Truck Loading	0.35	0.053	5.3	7.90	0.000177	0.000027
ReclDP1	Haul Truck Dumping	0.35	0.053	5.3	7.90	0.000177	0.000027

Notes:

1. Annual average wind speed of 5.3 mph obtained from the Otay Mesa weather station.
2. Moisture content is geometric mean for overburden reported in Table 11.9-3 of AP-42.
3. Emission Factor Source: AP-42, 5TH Edition, Section 13.2.4.3 Equation 1. November 2006, as follows:

$$EF = (k \times 0.0032 \times (U/5)^{1.3}) / (M/2)^{1.4}$$

PM10 and PM2.5 Emission Rates

		PM10 Emissions			PM2.5 Emissions		
ID	Source	Hourly (lb/hr)	Daily (lb/day)	Annual (TPY)	Hourly (lb/hr)	Daily (lb/day)	Annual (TPY)
ReclHT1	Off-Road Haul Trucks	2.088087	20.880873	1.910600	0.208809	2.088087	0.191060
ReclRG1	Bulldozer	0.382836	3.828364	0.350295	0.038284	0.382836	0.035030
ReclLD1	Haul Truck Loading	0.061971	0.619708	0.056703	0.009384	0.093841	0.008586
ReclDP1	Haul Truck Dumping	0.061971	0.619708	0.056703	0.009384	0.093841	0.008586
	Total	2.594865	25.948651	2.374302	0.265861	2.658607	0.243262

Example Calculation: Loader to Haul Truck PM10 = 3,510 TPD x 0.000199 lb/ton = 0.70 lb/day

Appendix B

Tanks Input and Output Files

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	AOT horizontal
City:	San Diego
State:	California
Company:	Superior
Type of Tank:	Horizontal Tank
Description:	Horizonal Asphal Oil Tank

Tank Dimensions

Shell Length (ft):		22.00
Diameter (ft):		11.00
Volume (gallons):		15,000.00
Turnovers:		26.99
Net Throughput(gal/yr):		404,870.00
Is Tank Heated (y/n):	Y	
Is Tank Underground (y/n):	N	

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: San Diego, California (Avg Atmospheric Pressure = 14.7 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

AOT horizontal - Horizontal Tank
San Diego, California

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Residual oil no. 6	Jan	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Feb	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Mar	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Apr	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	May	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jun	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jul	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Aug	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Sep	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Oct	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Nov	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Dec	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

AOT horizontal - Horizontal Tank
San Diego, California

Month:	January	February	March	April	May	June	July	August	September	October	November	December
Standing Losses (lb):	0.0120	0.0109	0.0120	0.0116	0.0120	0.0116	0.0120	0.0120	0.0116	0.0120	0.0116	0.0120
Vapor Space Volume (cu ft):	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Vented Vapor Saturation Factor:	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999
Tank Vapor Space Volume:												
Vapor Space Volume (cu ft):	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Effective Diameter (ft):	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579
Vapor Space Outage (ft):	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000
Tank Shell Length (ft):	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000
Vapor Density												
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Molecular Weight (lb/lb-mole):	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Average Ambient Temp. (deg. F):	57.4000	58.6000	59.5500	62.0000	64.1000	66.7500	70.9500	72.5500	71.3500	67.7500	61.9000	57.4500
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731
Liquid Bulk Temperature (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Tank Paint Solar Absorptance (Shell):	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	969.8944	1,232.5940	1,566.6793	1,937.5679	1,983.5720	2,052.1024	2,200.5847	2,069.8695	1,724.0452	1,394.4017	1,080.9389	904.5368
Vapor Space Expansion Factor												
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Daily Vapor Temperature Range (deg. R):	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000
Daily Vapor Pressure Range (psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Breather Vent Press. Setting Range(psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Min. Liquid Surface Temp. (deg R):	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700
Daily Max. Liquid Surface Temp. (deg R):	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700
Daily Ambient Temp. Range (deg. R):	17.0000	15.8000	13.5000	12.8000	10.0000	9.7000	10.5000	10.5000	11.5000	13.7000	16.0000	17.3000
Vented Vapor Saturation Factor												
Vented Vapor Saturation Factor:	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Space Outage (ft):	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000
Working Losses (lb):	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290
Vapor Molecular Weight (lb/lb-mole):	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Net Throughput (gal/mo.):	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667
Annual Turnovers:	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913
Turnover Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Working Loss Product Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total Losses (lb):	0.0410	0.0399	0.0410	0.0406	0.0410	0.0406	0.0410	0.0410	0.0406	0.0410	0.0406	0.0410

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: January, February, March, April, May, June, July, August, September, October, November, December

AOT horizontal - Horizontal Tank
San Diego, California

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Residual oil no. 6	0.35	0.14	0.49

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	AOT
City:	San Diego
State:	California
Company:	Superior
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Oil Tank

Tank Dimensions

Shell Height (ft):		22.00
Diameter (ft):		11.00
Liquid Height (ft) :		22.00
Avg. Liquid Height (ft):		19.80
Volume (gallons):		15,000.00
Turnovers:		25.89
Net Throughput(gal/yr):		404,870.00
Is Tank Heated (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Roof Characteristics

Type:	Dome	
Height (ft)		22.00
Radius (ft) (Dome Roof)		11.00

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: San Diego, California (Avg Atmospheric Pressure = 14.7 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

AOT - Vertical Fixed Roof Tank
San Diego, California

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Residual oil no. 6	Jan	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Feb	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Mar	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Apr	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	May	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jun	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jul	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Aug	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Sep	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Oct	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Nov	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Dec	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

AOT - Vertical Fixed Roof Tank
San Diego, California

Month:	January	February	March	April	May	June	July	August	September	October	November	December
Standing Losses (lb):	0.0617	0.0557	0.0617	0.0597	0.0617	0.0597	0.0617	0.0617	0.0597	0.0617	0.0597	0.0617
Vapor Space Volume (cu ft):	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Vented Vapor Saturation Factor:	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993
Tank Vapor Space Volume:												
Vapor Space Volume (cu ft):	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Vapor Space Outage (ft):	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667
Tank Shell Height (ft):	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000
Average Liquid Height (ft):	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000
Roof Outage (ft):	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667
Roof Outage (Dome Roof)												
Roof Outage (ft):	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667
Dome Radius (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Shell Radius (ft):	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000
Vapor Density												
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Molecular Weight (lb/lb-mole):	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Average Ambient Temp. (deg. F):	57.4000	58.6000	59.5500	62.0000	64.1000	66.7500	70.9500	72.5500	71.3500	67.7500	61.9000	57.4500
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731
Liquid Bulk Temperature (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Tank Paint Solar Absorptance (Shell):	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
Tank Paint Solar Absorptance (Roof):	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	969.8944	1,232.5940	1,566.6793	1,937.5679	1,983.5720	2,052.1024	2,200.5847	2,069.8695	1,724.0452	1,394.4017	1,080.9389	904.5368
Vapor Space Expansion Factor												
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Daily Vapor Temperature Range (deg. R):	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000
Daily Vapor Pressure Range (psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Breather Vent Press. Setting Range(psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Min. Liquid Surface Temp. (deg R):	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700
Daily Max. Liquid Surface Temp. (deg R):	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700
Daily Ambient Temp. Range (deg. R):	17.0000	15.8000	13.5000	12.8000	10.0000	9.7000	10.5000	10.5000	11.5000	13.7000	16.0000	17.3000
Vented Vapor Saturation Factor												
Vented Vapor Saturation Factor:	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Space Outage (ft):	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667
Working Losses (lb):	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290
Vapor Molecular Weight (lb/lb-mole):	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Net Throughput (gal/mo.):	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667
Annual Turnovers:	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872
Turnover Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Maximum Liquid Volume (gal):	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000
Maximum Liquid Height (ft):	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Working Loss Product Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total Losses (lb):	0.0907	0.0847	0.0907	0.0887	0.0907	0.0887	0.0907	0.0907	0.0887	0.0907	0.0887	0.0907

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: January, February, March, April, May, June, July, August, September, October, November, December

AOT - Vertical Fixed Roof Tank
San Diego, California

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Residual oil no. 6	0.35	0.73	1.07

Appendix C

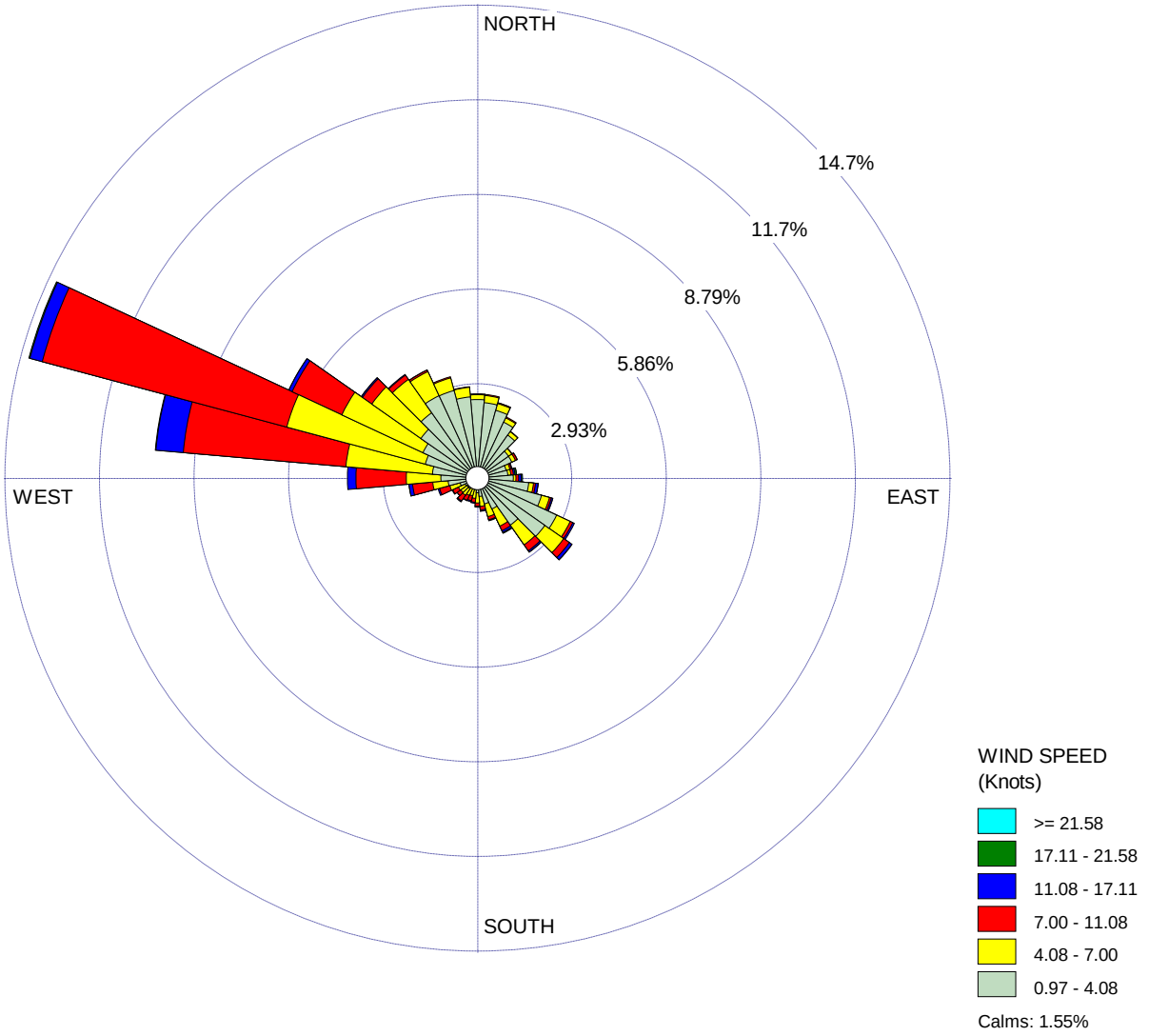
Meteorological Data Files

WIND ROSE PLOT:

Station #3178

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
Evening hours 6:00pm to 12:00am	**Start Date: 1/1/2015 - 00:00** **End Date: 12/31/2017 - 23:59**	MODELER:	
	CALM WINDS: **1.55%**	TOTAL COUNT: **26285 hrs.**	
	AVG. WIND SPEED: **4.61 Knots**	DATE: **10/9/2019**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Appendix D

AERMOD Dispersion Modeling Data Files

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.1
** Lakes Environmental Software Inc.
** Date: 5/16/2019
** File: F:\Work\SRM 12 - Otay Hills\Analysis\AERMOD\Submitted to APCD\Otay
Hills\Otay Hills.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 ANNUAL
   POLLUTID TAC
   RUNORNOT RUN
   ERRORFIL "Otay Hills.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION HMA1          POINT      508484.760  3603902.325      209.960
** DESCRSRC HMA Dryer Burner Baghouse
   LOCATION OFFRD         AREAPOLY   508609.055  3603549.941      224.540
** DESCRSRC OffRoad Equipoment
   LOCATION CBP1          POINT      508464.160  3603954.680      204.520
** DESCRSRC Cement Unloading to Silo
   LOCATION CBP2          POINT      508513.240  3603978.730      206.250
** DESCRSRC Cement Supp Unloading to Silo
   LOCATION CBP3          POINT      508488.540  3603966.620      204.770
** DESCRSRC Weigh Hopper Loading
   LOCATION CBP4          POINT      508457.530  3604029.800      206.870
** DESCRSRC Central Mix Loading
   LOCATION AS1           POINT      508521.016  3603814.945      207.410
** DESCRSRC Aggregate Screen
   LOCATION TC5           VOLUME     508520.455  3603817.604      207.170
** DESCRSRC Transfer Conveyor
   LOCATION RAP1          VOLUME     508518.293  3603822.068      206.640
** DESCRSRC RAP Feeder Loading
   LOCATION HSI1          VOLUME     508571.628  3603836.661      212.740
** DESCRSRC Crusher
   LOCATION TC6           VOLUME     508568.372  3603843.796      211.950
** DESCRSRC Transfer Conveyor
   LOCATION AS2           VOLUME     508559.451  3603841.388      211.200
** DESCRSRC Aggregate Screen
   LOCATION TC7           VOLUME     508563.027  3603844.617      211.390
** DESCRSRC Transfer Conveyor
   LOCATION HMA2          VOLUME     508479.420  3603914.260      209.310
** DESCRSRC HMA Plant Loadout
   LOCATION HMA3          VOLUME     508456.900  3603894.680      209.690
** DESCRSRC HMA Silo Filling
   LOCATION CTB2          POINT      508541.750  3603808.559      211.290
** DESCRSRC Cement Unloading to Silo
   LOCATION CTB1          POINT      508532.505  3603801.731      210.430
** DESCRSRC Aggregate unloading to pubmill
   LOCATION SP1           AREA       508576.800  3603735.880      225.470
** DESCRSRC Primary Surge Pile
   LOCATION SP2           AREA       508516.090  3603736.720      213.370
** DESCRSRC Quarry Fines Pile
   LOCATION SP6           AREA       508481.192  3603855.820      208.880
** DESCRSRC 3/4 Active Storage Pile
   LOCATION SP7           AREA       508487.712  3603842.643      207.450
** DESCRSRC 1/2 Active Storage Pile
   LOCATION SP8           AREA       508494.379  3603828.378      206.130
** DESCRSRC 3/8 Active Storage Pile
   LOCATION SP9           AREA       508501.351  3603814.878      205.640
** DESCRSRC Asphalt Sand Pile
   LOCATION SP10          AREA       508507.563  3603801.404      206.090
** DESCRSRC Asphalt Sand Pile 2
   LOCATION SP11          AREA       508515.810  3603879.277      209.680
** DESCRSRC Recycle Asphalt Pile
   LOCATION SP15          AREA       508472.984  3603688.604      207.050
** DESCRSRC Concrete & Asphalt Recycle Pile
   LOCATION SP16          AREA       508503.842  3603695.422      213.970
** DESCRSRC Concrete & Asphalt Recycle Pile
   LOCATION SP17          AREA       508519.661  3603678.828      218.150
** DESCRSRC Concrete & Asphalt Recycle Pile
   LOCATION SP18          AREA       508523.849  3603652.772      219.040
** DESCRSRC Concrete & Asphalt Recycle Pile
   LOCATION HMA4          POINT      508463.840  3603910.080      209.070
** DESCRSRC Hot Oil Heater
   LOCATION PLO           VOLUME     508506.624  3603792.174      206.070
** DESCRSRC Loading to on-road product haul trucks
   LOCATION DST1          AREA       508425.950  3604048.930      210.420
** DESCRSRC Diesel Storage Tank
   LOCATION RMP           AREA       508486.780  3603663.760      210.450
** DESCRSRC Recycled Material Plant
   LOCATION CR1           VOLUME     508578.056  3603707.285      228.120
** DESCRSRC Jaw Crusher
   LOCATION CR2           VOLUME     508578.056  3603715.764      227.480
** DESCRSRC Cone Crusher #1
   LOCATION SC1           VOLUME     508577.821  3603711.996      227.720
** DESCRSRC Triple Deck Screen #1
   LOCATION CR3           VOLUME     508553.561  3603769.229      217.830
** DESCRSRC Cone Crusher #2
   LOCATION CR4           VOLUME     508553.797  3603872.863      210.790
** DESCRSRC VSI Crusher #1
   LOCATION CR5           VOLUME     508553.797  3603846.012      210.450
** DESCRSRC VSI Crusher #2
   LOCATION TP2           VOLUME     508578.456  3603718.318      227.360
** DESCRSRC Transfer Point
   LOCATION TP3           VOLUME     508555.095  3603765.654      218.590
** DESCRSRC Transfer Point
   LOCATION TP4           VOLUME     508547.103  3603782.867      215.060
** DESCRSRC Transfer Point
   LOCATION TP5           VOLUME     508545.136  3603786.802      214.310
** DESCRSRC Transfer Point
   LOCATION TP6           VOLUME     508572.923  3603800.941      216.480
** DESCRSRC Transfer Point
   LOCATION TP7           VOLUME     508594.808  3603755.326      225.330
** DESCRSRC Transfer Point
   LOCATION SC2           VOLUME     508573.169  3603834.138      213.080
** DESCRSRC PROCESS SCREENING
   LOCATION SC3           VOLUME     508555.218  3603870.162      210.800
** DESCRSRC PROCESS SCREENING
   LOCATION SC4           VOLUME     508551.407  3603851.474      210.060
** DESCRSRC PROCESS SCREENING
   LOCATION SC5           VOLUME     508556.448  3603892.785      211.050
** DESCRSRC FINES SCREENING
   LOCATION SC6           VOLUME     508560.751  3603894.998      211.210
```

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** DESCRSRC FINES SCREENING
   LOCATION SC7          VOLUME     508600.587  3603807.703      218.490
** DESCRSRC FINES SCREENING
   LOCATION TP8          VOLUME     508588.528  3603802.423      218.240
** DESCRSRC Transfer Point
   LOCATION TP9          VOLUME     508575.227  3603830.688      213.550
** DESCRSRC Transfer Point
   LOCATION TP10         VOLUME     508569.407  3603842.049      212.160
** DESCRSRC Transfer Point
   LOCATION TP11         VOLUME     508561.371  3603857.013      210.870
** DESCRSRC Transfer Point
   LOCATION TP12         VOLUME     508555.829  3603868.652      210.800
** DESCRSRC Transfer Point
   LOCATION TP13         VOLUME     508551.395  3603878.073      210.820
** DESCRSRC Transfer Point
   LOCATION TP14         VOLUME     508548.070  3603887.772      210.760
** DESCRSRC Transfer Point
   LOCATION TP15         VOLUME     508556.383  3603892.206      211.070
** DESCRSRC Transfer Point
   LOCATION TP16         VOLUME     508560.263  3603893.868      211.210
** DESCRSRC Transfer Point
   LOCATION TP17         VOLUME     508577.998  3603848.977      212.500
** DESCRSRC Transfer Point
   LOCATION TP18         VOLUME     508574.949  3603847.869      212.300
** DESCRSRC Transfer Point
   LOCATION TP19         VOLUME     508597.118  3603807.411      218.320
** DESCRSRC Transfer Point
   LOCATION TP20         VOLUME     508589.359  3603803.808      218.180
** DESCRSRC Transfer Point
   LOCATION TP21         VOLUME     508564.974  3603809.905      214.390
** DESCRSRC Transfer Point
   LOCATION TP22         VOLUME     508514.689  3603906.851      209.410
** DESCRSRC Transfer Point
   LOCATION TP23         VOLUME     508519.636  3603911.091      209.410
** DESCRSRC Transfer Point
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = HAUL
** DESCRSRC Haul trucks traveling offsite
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.18
** SZINIT = 2.41
** Nodes = 4
** 508401.936, 3604152.778, 216.61, 2.59, 3.92
** 507596.709, 3604149.189, 190.63, 2.59, 3.92
** 507591.142, 3603330.836, 189.22, 2.59, 3.92
** 506788.680, 3603344.782, 183.88, 2.59, 3.92
** ----------------------------------------------------------------------
   LOCATION L0001590     VOLUME   508397.717 3604152.760 215.99
   LOCATION L0001591     VOLUME   508389.279 3604152.722 215.47
   LOCATION L0001592     VOLUME   508380.840 3604152.684 215.01
   LOCATION L0001593     VOLUME   508372.402 3604152.647 214.76
   LOCATION L0001594     VOLUME   508363.964 3604152.609 214.52
   LOCATION L0001595     VOLUME   508355.525 3604152.571 214.28
   LOCATION L0001596     VOLUME   508347.087 3604152.534 214.13
   LOCATION L0001597     VOLUME   508338.649 3604152.496 213.99
   LOCATION L0001598     VOLUME   508330.210 3604152.459 213.84
   LOCATION L0001599     VOLUME   508321.772 3604152.421 213.64
   LOCATION L0001600     VOLUME   508313.334 3604152.383 213.43
   LOCATION L0001601     VOLUME   508304.895 3604152.346 213.23
   LOCATION L0001602     VOLUME   508296.457 3604152.308 213.00
   LOCATION L0001603     VOLUME   508288.019 3604152.271 212.77
   LOCATION L0001604     VOLUME   508279.581 3604152.233 212.54
   LOCATION L0001605     VOLUME   508271.142 3604152.195 212.32
   LOCATION L0001606     VOLUME   508262.704 3604152.158 212.10
   LOCATION L0001607     VOLUME   508254.266 3604152.120 211.88
   LOCATION L0001608     VOLUME   508245.827 3604152.082 211.51
   LOCATION L0001609     VOLUME   508237.389 3604152.045 211.10
   LOCATION L0001610     VOLUME   508228.951 3604152.007 210.68
   LOCATION L0001611     VOLUME   508220.512 3604151.970 210.25
   LOCATION L0001612     VOLUME   508212.074 3604151.932 209.81
   LOCATION L0001613     VOLUME   508203.636 3604151.894 209.37
   LOCATION L0001614     VOLUME   508195.197 3604151.857 208.91
   LOCATION L0001615     VOLUME   508186.759 3604151.819 208.42
   LOCATION L0001616     VOLUME   508178.321 3604151.782 207.94
   LOCATION L0001617     VOLUME   508169.882 3604151.744 207.53
   LOCATION L0001618     VOLUME   508161.444 3604151.706 207.20
   LOCATION L0001619     VOLUME   508153.006 3604151.669 206.87
   LOCATION L0001620     VOLUME   508144.567 3604151.631 206.55
   LOCATION L0001621     VOLUME   508136.129 3604151.593 206.26
   LOCATION L0001622     VOLUME   508127.691 3604151.556 205.96
   LOCATION L0001623     VOLUME   508119.253 3604151.518 205.68
   LOCATION L0001624     VOLUME   508110.814 3604151.481 205.42
   LOCATION L0001625     VOLUME   508102.376 3604151.443 205.17
   LOCATION L0001626     VOLUME   508093.938 3604151.405 204.94
   LOCATION L0001627     VOLUME   508085.499 3604151.368 204.81
   LOCATION L0001628     VOLUME   508077.061 3604151.330 204.68
   LOCATION L0001629     VOLUME   508068.623 3604151.293 204.55
   LOCATION L0001630     VOLUME   508060.184 3604151.255 204.42
   LOCATION L0001631     VOLUME   508051.746 3604151.217 204.29
   LOCATION L0001632     VOLUME   508043.308 3604151.180 204.16
   LOCATION L0001633     VOLUME   508034.869 3604151.142 204.11
   LOCATION L0001634     VOLUME   508026.431 3604151.104 204.07
   LOCATION L0001635     VOLUME   508017.993 3604151.067 204.03
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   LOCATION L0001640     VOLUME   507975.801 3604150.879 203.28
   LOCATION L0001641     VOLUME   507967.363 3604150.841 203.16
   LOCATION L0001642     VOLUME   507958.925 3604150.804 203.02
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   LOCATION L0001645     VOLUME   507933.610 3604150.691 202.55
   LOCATION L0001646     VOLUME   507925.171 3604150.653 202.36
   LOCATION L0001647     VOLUME   507916.733 3604150.615 202.17
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   LOCATION L0001654     VOLUME   507857.665 3604150.352 199.80
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   LOCATION L0001656     VOLUME   507840.788 3604150.277 199.23
   LOCATION L0001657     VOLUME   507832.350 3604150.239 198.95
   LOCATION L0001658     VOLUME   507823.911 3604150.202 198.71
   LOCATION L0001659     VOLUME   507815.473 3604150.164 198.47
   LOCATION L0001660     VOLUME   507807.035 3604150.126 198.16
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   LOCATION L0001663     VOLUME   507781.720 3604150.014 196.29
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   LOCATION L0001665     VOLUME   507764.843 3604149.938 195.37
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   LOCATION L0001669     VOLUME   507731.090 3604149.788 193.90
   LOCATION L0001670     VOLUME   507722.652 3604149.750 193.53
   LOCATION L0001671     VOLUME   507714.213 3604149.713 193.16
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LOCATION	L0001679	VOLUME	507646.707	3604149.412	191.29
LOCATION	L0001680	VOLUME	507638.268	3604149.374	191.20
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LOCATION	L0001682	VOLUME	507621.392	3604149.299	191.06
LOCATION	L0001683	VOLUME	507612.954	3604149.261	191.03
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LOCATION	L0001687	VOLUME	507596.590	3604131.680	190.72
LOCATION	L0001688	VOLUME	507596.533	3604123.242	190.64
LOCATION	L0001689	VOLUME	507596.476	3604114.804	190.55
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LOCATION	L0001691	VOLUME	507596.361	3604097.927	190.39
LOCATION	L0001692	VOLUME	507596.303	3604089.489	190.47
LOCATION	L0001693	VOLUME	507596.246	3604081.051	190.55
LOCATION	L0001694	VOLUME	507596.189	3604072.613	190.63
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LOCATION	L0001697	VOLUME	507596.016	3604047.298	190.84
LOCATION	L0001698	VOLUME	507595.959	3604038.860	190.91
LOCATION	L0001699	VOLUME	507595.902	3604030.421	190.96
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LOCATION	L0001701	VOLUME	507595.787	3604013.545	191.04
LOCATION	L0001702	VOLUME	507595.729	3604005.107	191.08
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LOCATION	L0001704	VOLUME	507595.614	3603988.230	191.07
LOCATION	L0001705	VOLUME	507595.557	3603979.792	191.07
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LOCATION	L0001707	VOLUME	507595.442	3603962.916	191.02
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LOCATION	L0001718	VOLUME	507594.811	3603870.096	190.37
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LOCATION	L0001721	VOLUME	507594.639	3603844.781	190.25
LOCATION	L0001722	VOLUME	507594.581	3603836.343	190.21
LOCATION	L0001723	VOLUME	507594.524	3603827.905	190.17
LOCATION	L0001724	VOLUME	507594.466	3603819.466	190.13
LOCATION	L0001725	VOLUME	507594.409	3603811.028	190.12
LOCATION	L0001726	VOLUME	507594.352	3603802.590	190.10
LOCATION	L0001727	VOLUME	507594.294	3603794.152	190.09
LOCATION	L0001728	VOLUME	507594.237	3603785.714	190.13
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LOCATION	L0001734	VOLUME	507593.892	3603735.084	190.34
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LOCATION	L0001736	VOLUME	507593.778	3603718.208	190.12
LOCATION	L0001737	VOLUME	507593.720	3603709.770	189.96
LOCATION	L0001738	VOLUME	507593.663	3603701.332	189.79
LOCATION	L0001739	VOLUME	507593.605	3603692.893	189.77
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LOCATION	L0001744	VOLUME	507593.318	3603650.702	190.27
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LOCATION	L0001749	VOLUME	507593.031	3603608.511	190.79
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LOCATION	L0001752	VOLUME	507592.859	3603583.197	190.80
LOCATION	L0001753	VOLUME	507592.802	3603574.758	190.79
LOCATION	L0001754	VOLUME	507592.744	3603566.320	190.70
LOCATION	L0001755	VOLUME	507592.687	3603557.882	190.61
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LOCATION	L0001757	VOLUME	507592.572	3603541.006	190.48
LOCATION	L0001758	VOLUME	507592.515	3603532.567	190.54
LOCATION	L0001759	VOLUME	507592.457	3603524.129	190.59
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LOCATION	L0001761	VOLUME	507592.342	3603507.253	190.68
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LOCATION	L0001763	VOLUME	507592.228	3603490.376	190.76
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LOCATION	L0001765	VOLUME	507592.113	3603473.500	190.87
LOCATION	L0001766	VOLUME	507592.055	3603465.062	190.94
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LOCATION	L0001768	VOLUME	507591.941	3603448.185	191.06
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LOCATION	L0001774	VOLUME	507591.596	3603397.556	191.09
LOCATION	L0001775	VOLUME	507591.539	3603389.118	191.04
LOCATION	L0001776	VOLUME	507591.481	3603380.680	190.90
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LOCATION	L0001778	VOLUME	507591.367	3603363.803	190.61
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LOCATION	L0001780	VOLUME	507591.252	3603346.927	190.04
LOCATION	L0001781	VOLUME	507591.194	3603338.489	189.71
LOCATION	L0001782	VOLUME	507590.357	3603330.850	189.42
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LOCATION	L0001784	VOLUME	507573.483	3603331.143	189.77
LOCATION	L0001785	VOLUME	507565.045	3603331.290	189.77
LOCATION	L0001786	VOLUME	507556.608	3603331.436	189.78
LOCATION	L0001787	VOLUME	507548.171	3603331.583	189.80
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LOCATION	L0001790	VOLUME	507522.860	3603332.023	190.08
LOCATION	L0001791	VOLUME	507514.423	3603332.169	190.24
LOCATION	L0001792	VOLUME	507505.986	3603332.316	190.40
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LOCATION	L0001798	VOLUME	507455.363	3603333.196	191.50
LOCATION	L0001799	VOLUME	507446.926	3603333.342	191.72
LOCATION	L0001800	VOLUME	507438.489	3603333.489	191.99
LOCATION	L0001801	VOLUME	507430.051	3603333.636	192.28
LOCATION	L0001802	VOLUME	507421.614	3603333.782	192.58
LOCATION	L0001803	VOLUME	507413.177	3603333.929	192.85
LOCATION	L0001804	VOLUME	507404.740	3603334.076	193.12
LOCATION	L0001805	VOLUME	507396.303	3603334.222	193.39
LOCATION	L0001806	VOLUME	507387.866	3603334.369	193.63

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** End of LINE VOLUME Source ID = HAUL
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = ROAD
** DESCRSRC Equipment and Trucks traveling on unpaved roads onsite
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.18
** SZINIT = 2.41
** Nodes = 41
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   LOCATION L0001433     VOLUME   508506.440 3604120.652 215.78
   LOCATION L0001434     VOLUME   508513.631 3604116.237 215.41
   LOCATION L0001435     VOLUME   508520.822 3604111.821 214.71
   LOCATION L0001436     VOLUME   508528.013 3604107.406 214.04
   LOCATION L0001437     VOLUME   508535.204 3604102.990 213.40
   LOCATION L0001438     VOLUME   508541.496 3604097.550 212.54
   LOCATION L0001439     VOLUME   508546.812 3604090.997 211.33
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LOCATION L0001440     VOLUME   508552.129 3604084.444 210.09
LOCATION L0001441     VOLUME   508557.445 3604077.891 208.81
LOCATION L0001442     VOLUME   508557.989 3604069.645 207.94
LOCATION L0001443     VOLUME   508556.575 3604061.381 207.51
LOCATION L0001444     VOLUME   508551.999 3604054.694 207.28
LOCATION L0001445     VOLUME   508544.690 3604050.723 207.15
LOCATION L0001446     VOLUME   508536.861 3604047.576 206.93
LOCATION L0001447     VOLUME   508529.032 3604044.429 206.82
LOCATION L0001448     VOLUME   508521.202 3604041.281 206.77
LOCATION L0001449     VOLUME   508513.373 3604038.134 206.76
LOCATION L0001450     VOLUME   508505.543 3604034.986 206.33
LOCATION L0001451     VOLUME   508497.714 3604031.839 205.82
LOCATION L0001452     VOLUME   508489.884 3604028.692 205.29
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LOCATION L0001454     VOLUME   508474.225 3604022.397 204.91
LOCATION L0001455     VOLUME   508466.396 3604019.250 204.57
LOCATION L0001456     VOLUME   508458.566 3604016.102 204.18
LOCATION L0001457     VOLUME   508450.737 3604012.955 204.12
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LOCATION L0001460     VOLUME   508427.248 3604003.513 204.07
LOCATION L0001461     VOLUME   508419.419 3604000.365 203.82
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LOCATION L0001463     VOLUME   508407.063 3603989.883 202.46
LOCATION L0001464     VOLUME   508406.280 3603981.799 201.30
LOCATION L0001465     VOLUME   508407.317 3603973.425 200.54
LOCATION L0001466     VOLUME   508408.354 3603965.050 200.59
LOCATION L0001467     VOLUME   508409.390 3603956.676 200.68
LOCATION L0001468     VOLUME   508410.427 3603948.301 200.81
LOCATION L0001469     VOLUME   508411.464 3603939.927 201.68
LOCATION L0001470     VOLUME   508412.501 3603931.552 202.88
LOCATION L0001471     VOLUME   508413.538 3603923.178 204.08
LOCATION L0001472     VOLUME   508414.575 3603914.803 205.26
LOCATION L0001473     VOLUME   508415.611 3603906.429 205.91
LOCATION L0001474     VOLUME   508416.648 3603898.054 206.57
LOCATION L0001475     VOLUME   508418.752 3603889.957 207.31
LOCATION L0001476     VOLUME   508421.915 3603882.133 207.77
LOCATION L0001477     VOLUME   508425.078 3603874.310 207.00
LOCATION L0001478     VOLUME   508428.240 3603866.487 206.00
LOCATION L0001479     VOLUME   508431.403 3603858.663 204.77
LOCATION L0001480     VOLUME   508435.053 3603851.156 203.62
LOCATION L0001481     VOLUME   508440.908 3603845.080 204.34
LOCATION L0001482     VOLUME   508446.764 3603839.004 204.99
LOCATION L0001483     VOLUME   508452.619 3603832.928 205.59
LOCATION L0001484     VOLUME   508458.760 3603827.235 206.24
LOCATION L0001485     VOLUME   508466.267 3603823.382 206.09
LOCATION L0001486     VOLUME   508473.775 3603819.530 205.56
LOCATION L0001487     VOLUME   508481.282 3603815.677 205.10
LOCATION L0001488     VOLUME   508488.790 3603811.824 204.84
LOCATION L0001489     VOLUME   508496.099 3603807.757 205.14
LOCATION L0001490     VOLUME   508500.521 3603800.570 205.36
LOCATION L0001491     VOLUME   508504.944 3603793.383 205.84
LOCATION L0001492     VOLUME   508507.038 3603785.278 206.74
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LOCATION L0001494     VOLUME   508510.383 3603768.737 208.98
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LOCATION L0001496     VOLUME   508513.729 3603752.195 211.38
LOCATION L0001497     VOLUME   508515.402 3603743.924 212.53
LOCATION L0001498     VOLUME   508518.382 3603736.503 213.85
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LOCATION L0001508     VOLUME   508569.163 3603671.956 228.47
LOCATION L0001509     VOLUME   508568.871 3603663.580 228.45
LOCATION L0001510     VOLUME   508564.895 3603656.768 227.49
LOCATION L0001511     VOLUME   508556.483 3603656.225 225.72
LOCATION L0001512     VOLUME   508551.581 3603663.073 224.88
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LOCATION L0001516     VOLUME   508547.694 3603696.433 222.92
LOCATION L0001517     VOLUME   508543.815 3603703.927 221.62
LOCATION L0001518     VOLUME   508539.935 3603711.421 220.24
LOCATION L0001519     VOLUME   508535.345 3603718.217 218.79
LOCATION L0001520     VOLUME   508527.924 3603722.233 216.98
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LOCATION L0001524     VOLUME   508500.188 3603740.778 209.67
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LOCATION L0001526     VOLUME   508489.545 3603753.876 205.93
LOCATION L0001527     VOLUME   508484.224 3603760.425 204.23
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LOCATION L0001529     VOLUME   508473.582 3603773.523 202.94
LOCATION L0001530     VOLUME   508469.443 3603780.826 202.80
LOCATION L0001531     VOLUME   508465.758 3603788.417 202.93
LOCATION L0001532     VOLUME   508462.073 3603796.008 203.46
LOCATION L0001533     VOLUME   508458.388 3603803.599 203.91
LOCATION L0001534     VOLUME   508454.703 3603811.190 204.04
LOCATION L0001535     VOLUME   508451.018 3603818.782 203.97
LOCATION L0001536     VOLUME   508447.332 3603826.373 203.88
LOCATION L0001537     VOLUME   508442.622 3603833.130 203.58
LOCATION L0001538     VOLUME   508435.941 3603838.284 202.67
LOCATION L0001539     VOLUME   508429.259 3603843.439 203.01
LOCATION L0001540     VOLUME   508422.578 3603848.593 203.79
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LOCATION L0001551     VOLUME   508401.553 3603932.559 201.95
LOCATION L0001552     VOLUME   508401.500 3603940.997 200.86
LOCATION L0001553     VOLUME   508401.446 3603949.435 200.29
LOCATION L0001554     VOLUME   508401.393 3603957.873 200.33
LOCATION L0001555     VOLUME   508401.339 3603966.312 200.38
LOCATION L0001556     VOLUME   508401.286 3603974.750 200.42
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LOCATION L0001561     VOLUME   508401.382 3604016.920 206.25
LOCATION L0001562     VOLUME   508402.417 3604025.295 207.43
LOCATION L0001563     VOLUME   508403.452 3604033.669 208.62
LOCATION L0001564     VOLUME   508404.487 3604042.044 209.53
LOCATION L0001565     VOLUME   508405.522 3604050.419 210.16
LOCATION L0001566     VOLUME   508406.557 3604058.793 210.84
LOCATION L0001567     VOLUME   508411.632 3604065.137 211.58
LOCATION L0001568     VOLUME   508417.736 3604070.964 212.30
LOCATION L0001569     VOLUME   508425.775 3604073.232 212.79
LOCATION L0001570     VOLUME   508434.116 3604073.896 213.16
LOCATION L0001571     VOLUME   508442.551 3604073.649 213.05
LOCATION L0001572     VOLUME   508450.985 3604073.403 212.91
LOCATION L0001573     VOLUME   508459.420 3604073.156 212.77
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   LOCATION L0001575     VOLUME   508476.290 3604072.663 211.83
   LOCATION L0001576     VOLUME   508484.725 3604072.416 211.32
   LOCATION L0001577     VOLUME   508493.159 3604072.170 211.23
   LOCATION L0001578     VOLUME   508501.594 3604071.923 211.26
   LOCATION L0001579     VOLUME   508510.029 3604071.676 211.30
   LOCATION L0001580     VOLUME   508518.415 3604071.565 211.14
   LOCATION L0001581     VOLUME   508524.721 3604077.171 211.50
   LOCATION L0001582     VOLUME   508528.628 3604084.188 212.04
   LOCATION L0001583     VOLUME   508528.260 3604092.166 212.82
   LOCATION L0001584     VOLUME   508524.175 3604099.411 213.70
   LOCATION L0001585     VOLUME   508517.120 3604104.041 214.36
   LOCATION L0001586     VOLUME   508510.065 3604108.671 214.91
   LOCATION L0001587     VOLUME   508503.010 3604113.301 215.24
   LOCATION L0001588     VOLUME   508495.955 3604117.930 215.58
   LOCATION L0001589     VOLUME   508488.901 3604122.560 215.94
** End of LINE VOLUME Source ID = ROAD
** Source Parameters **
   SRCPARAM HMA1              1.0     8.500   402.000  17.65000     1.220
   SRCPARAM OFFRD        6.0436E-06     4.572        20
   AREAVERT OFFRD        508609.055 3603549.941 508714.652 3603530.444
   AREAVERT OFFRD        508769.545 3603429.805 508759.624 3603343.452
   AREAVERT OFFRD        508789.734 3603263.313 508844.446 3603198.823
   AREAVERT OFFRD        508880.594 3603067.870 508884.299 3603029.252
   AREAVERT OFFRD        508870.110 3602999.347 508829.018 3602983.192
   AREAVERT OFFRD        508612.971 3602987.004 508486.605 3603030.128
   AREAVERT OFFRD        508475.453 3603056.163 508484.822 3603133.883
   AREAVERT OFFRD        508496.386 3603250.340 508513.962 3603280.869
   AREAVERT OFFRD        508513.669 3603327.175 508518.704 3603426.400
   AREAVERT OFFRD        508520.919 3603491.787 508551.491 3603530.142
   SRCPARAM CBP1              1.0     4.572     0.000   1.00000     1.000
   SRCPARAM CBP2              1.0     4.572     0.000   1.00000     1.000
   SRCPARAM CBP3              1.0     4.572     0.000   1.00000     1.000
   SRCPARAM CBP4              1.0     4.572     0.000   1.00000     1.000
   SRCPARAM AS1               1.0     4.572     0.000   1.00000     1.000
   SRCPARAM TC5               1.0     4.572     0.233     0.233
   SRCPARAM RAP1              1.0     4.572     0.235     1.000
   SRCPARAM HSI1              1.0     4.572     0.363     1.000
   SRCPARAM TC6               1.0     4.572     0.214     1.000
   SRCPARAM AS2               1.0     4.572     0.267     1.000
   SRCPARAM TC7               1.0     4.572     0.233     0.233
   SRCPARAM HMA2              1.0     4.572     1.660     1.000
   SRCPARAM HMA3              1.0     4.572     2.037     1.000
   SRCPARAM CTB2              1.0     4.572     0.000   1.00000     1.000
   SRCPARAM CTB1              1.0     4.572     0.000   1.00000     1.000
   SRCPARAM SP1          0.0006085087     9.144    40.538    40.538     0.000
   SRCPARAM SP2          0.0009763184     7.315    32.004    32.004     0.000
   SRCPARAM SP6          0.0013727547     4.572    26.990    26.990     0.000
   SRCPARAM SP7          0.0013727547     4.572    26.990    26.990     0.000
   SRCPARAM SP8          0.0013727547     4.572    26.990    26.990     0.000
   SRCPARAM SP9          0.0013727547     3.048    26.990    26.990     0.000
   SRCPARAM SP10         0.0013727547     3.048    26.990    26.990     0.000
   SRCPARAM SP11         0.0038610216     3.048    16.093    16.093     0.000
   SRCPARAM SP15         0.0013727547     1.219    26.990    26.990     0.000
   SRCPARAM SP16         0.0013727547     1.219    26.990    26.990     0.000
   SRCPARAM SP17         0.0013727547     1.219    26.990    26.990     0.000
   SRCPARAM SP18         0.0013727547     1.219    26.990    26.990     0.000
   SRCPARAM HMA4              1.0     8.000   402.000  17.65000     1.220
   SRCPARAM PLO               1.0     4.572     0.233     0.233
   SRCPARAM DST1         0.0147044119     1.000     5.480    12.410     0.000
   SRCPARAM RMP          0.00188381     8.500    23.090    22.990     0.000
   SRCPARAM CR1               1.0     4.572     0.363     1.000
   SRCPARAM CR2               1.0     4.572     0.363     1.000
   SRCPARAM SC1               1.0     4.572     0.267     1.000
   SRCPARAM CR3               1.0     4.572     0.363     1.000
   SRCPARAM CR4               1.0     4.572     0.363     1.000
   SRCPARAM CR5               1.0     4.572     0.363     1.000
   SRCPARAM TP2               1.0     4.572     0.233     0.233
   SRCPARAM TP3               1.0     4.572     0.233     0.233
   SRCPARAM TP4               1.0     4.572     0.233     0.233
   SRCPARAM TP5               1.0     4.572     0.233     0.233
   SRCPARAM TP6               1.0     4.572     0.233     0.233
   SRCPARAM TP7               1.0     4.572     0.233     0.233
   SRCPARAM SC2               1.0     4.572     0.267     1.000
   SRCPARAM SC3               1.0     4.572     0.267     1.000
   SRCPARAM SC4               1.0     4.572     0.267     1.000
   SRCPARAM SC5               1.0     4.572     0.267     1.000
   SRCPARAM SC6               1.0     4.572     0.267     1.000
   SRCPARAM SC7               1.0     4.572     0.267     1.000
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   SRCPARAM TP9               1.0     4.572     0.233     0.233
   SRCPARAM TP10              1.0     4.572     0.233     0.233
   SRCPARAM TP11              1.0     4.572     0.233     0.233
   SRCPARAM TP12              1.0     4.572     0.233     0.233
   SRCPARAM TP13              1.0     4.572     0.233     0.233
   SRCPARAM TP14              1.0     4.572     0.233     0.233
   SRCPARAM TP15              1.0     4.572     0.233     0.233
   SRCPARAM TP16              1.0     4.572     0.233     0.233
   SRCPARAM TP17              1.0     4.572     0.233     0.233
   SRCPARAM TP18              1.0     4.572     0.233     0.233
   SRCPARAM TP19              1.0     4.572     0.233     0.233
   SRCPARAM TP20              1.0     4.572     0.233     0.233
   SRCPARAM TP21              1.0     4.572     0.233     0.233
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** LINE VOLUME Source ID = HAUL
   SRCPARAM L0001590     0.0034722222      2.59      3.92      2.41
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   PLOTFILE 1 AS1 1ST "OTAY HILLS.AD\01H1G001.PLT" 32
   PLOTFILE 1 AS2 1ST "OTAY HILLS.AD\01H1G002.PLT" 33
   PLOTFILE 1 CBP1 1ST "OTAY HILLS.AD\01H1G003.PLT" 34
   PLOTFILE 1 CBP2 1ST "OTAY HILLS.AD\01H1G004.PLT" 35
   PLOTFILE 1 CBP3 1ST "OTAY HILLS.AD\01H1G005.PLT" 36
   PLOTFILE 1 CBP4 1ST "OTAY HILLS.AD\01H1G006.PLT" 37
   PLOTFILE 1 CR1 1ST "OTAY HILLS.AD\01H1G007.PLT" 38
   PLOTFILE 1 CR2 1ST "OTAY HILLS.AD\01H1G008.PLT" 39
   PLOTFILE 1 CR3 1ST "OTAY HILLS.AD\01H1G009.PLT" 40
   PLOTFILE 1 CR4 1ST "OTAY HILLS.AD\01H1G010.PLT" 41
   PLOTFILE 1 CR5 1ST "OTAY HILLS.AD\01H1G011.PLT" 42
   PLOTFILE 1 CTB1 1ST "OTAY HILLS.AD\01H1G012.PLT" 43
   PLOTFILE 1 CTB2 1ST "OTAY HILLS.AD\01H1G013.PLT" 44
   PLOTFILE 1 DST1 1ST "OTAY HILLS.AD\01H1G014.PLT" 45
   PLOTFILE 1 HAUL 1ST "OTAY HILLS.AD\01H1G015.PLT" 46
   PLOTFILE 1 HMA1 1ST "OTAY HILLS.AD\01H1G016.PLT" 47
   PLOTFILE 1 HMA2 1ST "OTAY HILLS.AD\01H1G017.PLT" 48
   PLOTFILE 1 HMA3 1ST "OTAY HILLS.AD\01H1G018.PLT" 49
   PLOTFILE 1 HMA4 1ST "OTAY HILLS.AD\01H1G019.PLT" 50
   PLOTFILE 1 HSI1 1ST "OTAY HILLS.AD\01H1G020.PLT" 51
   PLOTFILE 1 OFFRD 1ST "OTAY HILLS.AD\01H1G021.PLT" 52
   PLOTFILE 1 PLO 1ST "OTAY HILLS.AD\01H1G022.PLT" 53
   PLOTFILE 1 RAP1 1ST "OTAY HILLS.AD\01H1G023.PLT" 54
   PLOTFILE 1 RMP 1ST "OTAY HILLS.AD\01H1G024.PLT" 55
   PLOTFILE 1 ROAD 1ST "OTAY HILLS.AD\01H1G025.PLT" 56
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   PLOTFILE 1 SC2 1ST "OTAY HILLS.AD\01H1G027.PLT" 58
   PLOTFILE 1 SC3 1ST "OTAY HILLS.AD\01H1G028.PLT" 59
   PLOTFILE 1 SC4 1ST "OTAY HILLS.AD\01H1G029.PLT" 60
   PLOTFILE 1 SC5 1ST "OTAY HILLS.AD\01H1G030.PLT" 61
   PLOTFILE 1 SC6 1ST "OTAY HILLS.AD\01H1G031.PLT" 62
   PLOTFILE 1 SC7 1ST "OTAY HILLS.AD\01H1G032.PLT" 63
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   PLOTFILE 1 SP11 1ST "OTAY HILLS.AD\01H1G035.PLT" 66
   PLOTFILE 1 SP15 1ST "OTAY HILLS.AD\01H1G036.PLT" 67
   PLOTFILE 1 SP16 1ST "OTAY HILLS.AD\01H1G037.PLT" 68
   PLOTFILE 1 SP17 1ST "OTAY HILLS.AD\01H1G038.PLT" 69
   PLOTFILE 1 SP18 1ST "OTAY HILLS.AD\01H1G039.PLT" 70
   PLOTFILE 1 SP2 1ST "OTAY HILLS.AD\01H1G040.PLT" 71
   PLOTFILE 1 SP6 1ST "OTAY HILLS.AD\01H1G041.PLT" 72
   PLOTFILE 1 SP7 1ST "OTAY HILLS.AD\01H1G042.PLT" 73
   PLOTFILE 1 SP8 1ST "OTAY HILLS.AD\01H1G043.PLT" 74
   PLOTFILE 1 SP9 1ST "OTAY HILLS.AD\01H1G044.PLT" 75
   PLOTFILE 1 TC5 1ST "OTAY HILLS.AD\01H1G045.PLT" 76
   PLOTFILE 1 TC6 1ST "OTAY HILLS.AD\01H1G046.PLT" 77
   PLOTFILE 1 TC7 1ST "OTAY HILLS.AD\01H1G047.PLT" 78
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   PLOTFILE 1 TP14 1ST "OTAY HILLS.AD\01H1G052.PLT" 83
   PLOTFILE 1 TP15 1ST "OTAY HILLS.AD\01H1G053.PLT" 84
   PLOTFILE 1 TP16 1ST "OTAY HILLS.AD\01H1G054.PLT" 85
   PLOTFILE 1 TP17 1ST "OTAY HILLS.AD\01H1G055.PLT" 86
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   PLOTFILE 1 TP19 1ST "OTAY HILLS.AD\01H1G057.PLT" 88
   PLOTFILE 1 TP2 1ST "OTAY HILLS.AD\01H1G058.PLT" 89
   PLOTFILE 1 TP20 1ST "OTAY HILLS.AD\01H1G059.PLT" 90
   PLOTFILE 1 TP21 1ST "OTAY HILLS.AD\01H1G060.PLT" 91
   PLOTFILE 1 TP22 1ST "OTAY HILLS.AD\01H1G061.PLT" 92
   PLOTFILE 1 TP23 1ST "OTAY HILLS.AD\01H1G062.PLT" 93
   PLOTFILE 1 TP3 1ST "OTAY HILLS.AD\01H1G063.PLT" 94
   PLOTFILE 1 TP4 1ST "OTAY HILLS.AD\01H1G064.PLT" 95
   PLOTFILE 1 TP5 1ST "OTAY HILLS.AD\01H1G065.PLT" 96
   PLOTFILE 1 TP6 1ST "OTAY HILLS.AD\01H1G066.PLT" 97
   PLOTFILE 1 TP7 1ST "OTAY HILLS.AD\01H1G067.PLT" 98
   PLOTFILE 1 TP8 1ST "OTAY HILLS.AD\01H1G068.PLT" 99
   PLOTFILE 1 TP9 1ST "OTAY HILLS.AD\01H1G069.PLT" 100
   PLOTFILE ANNUAL ALL "OTAY HILLS.AD\AN00GALL.PLT" 101
   PLOTFILE ANNUAL AS1 "OTAY HILLS.AD\AN00G001.PLT" 102
   PLOTFILE ANNUAL AS2 "OTAY HILLS.AD\AN00G002.PLT" 103
   PLOTFILE ANNUAL CBP1 "OTAY HILLS.AD\AN00G003.PLT" 104
   PLOTFILE ANNUAL CBP2 "OTAY HILLS.AD\AN00G004.PLT" 105
   PLOTFILE ANNUAL CBP3 "OTAY HILLS.AD\AN00G005.PLT" 106
   PLOTFILE ANNUAL CBP4 "OTAY HILLS.AD\AN00G006.PLT" 107
   PLOTFILE ANNUAL CR1 "OTAY HILLS.AD\AN00G007.PLT" 108
   PLOTFILE ANNUAL CR2 "OTAY HILLS.AD\AN00G008.PLT" 109
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   PLOTFILE ANNUAL CR5 "OTAY HILLS.AD\AN00G011.PLT" 112
   PLOTFILE ANNUAL CTB1 "OTAY HILLS.AD\AN00G012.PLT" 113
   PLOTFILE ANNUAL CTB2 "OTAY HILLS.AD\AN00G013.PLT" 114
   PLOTFILE ANNUAL DST1 "OTAY HILLS.AD\AN00G014.PLT" 115
   PLOTFILE ANNUAL HAUL "OTAY HILLS.AD\AN00G015.PLT" 116
   PLOTFILE ANNUAL HMA1 "OTAY HILLS.AD\AN00G016.PLT" 117
   PLOTFILE ANNUAL HMA2 "OTAY HILLS.AD\AN00G017.PLT" 118
   PLOTFILE ANNUAL HMA3 "OTAY HILLS.AD\AN00G018.PLT" 119
   PLOTFILE ANNUAL HMA4 "OTAY HILLS.AD\AN00G019.PLT" 120
   PLOTFILE ANNUAL HSI1 "OTAY HILLS.AD\AN00G020.PLT" 121
   PLOTFILE ANNUAL OFFRD "OTAY HILLS.AD\AN00G021.PLT" 122
   PLOTFILE ANNUAL PLO "OTAY HILLS.AD\AN00G022.PLT" 123
   PLOTFILE ANNUAL RAP1 "OTAY HILLS.AD\AN00G023.PLT" 124
   PLOTFILE ANNUAL RMP "OTAY HILLS.AD\AN00G024.PLT" 125
   PLOTFILE ANNUAL ROAD "OTAY HILLS.AD\AN00G025.PLT" 126
   PLOTFILE ANNUAL SC1 "OTAY HILLS.AD\AN00G026.PLT" 127
   PLOTFILE ANNUAL SC2 "OTAY HILLS.AD\AN00G027.PLT" 128
   PLOTFILE ANNUAL SC3 "OTAY HILLS.AD\AN00G028.PLT" 129
   PLOTFILE ANNUAL SC4 "OTAY HILLS.AD\AN00G029.PLT" 130
   PLOTFILE ANNUAL SC5 "OTAY HILLS.AD\AN00G030.PLT" 131
   PLOTFILE ANNUAL SC6 "OTAY HILLS.AD\AN00G031.PLT" 132
   PLOTFILE ANNUAL SC7 "OTAY HILLS.AD\AN00G032.PLT" 133
   PLOTFILE ANNUAL SP1 "OTAY HILLS.AD\AN00G033.PLT" 134
   PLOTFILE ANNUAL SP10 "OTAY HILLS.AD\AN00G034.PLT" 135
   PLOTFILE ANNUAL SP11 "OTAY HILLS.AD\AN00G035.PLT" 136
   PLOTFILE ANNUAL SP15 "OTAY HILLS.AD\AN00G036.PLT" 137
   PLOTFILE ANNUAL SP16 "OTAY HILLS.AD\AN00G037.PLT" 138
   PLOTFILE ANNUAL SP17 "OTAY HILLS.AD\AN00G038.PLT" 139
   PLOTFILE ANNUAL SP18 "OTAY HILLS.AD\AN00G039.PLT" 140
   PLOTFILE ANNUAL SP2 "OTAY HILLS.AD\AN00G040.PLT" 141
   PLOTFILE ANNUAL SP6 "OTAY HILLS.AD\AN00G041.PLT" 142
   PLOTFILE ANNUAL SP7 "OTAY HILLS.AD\AN00G042.PLT" 143
   PLOTFILE ANNUAL SP8 "OTAY HILLS.AD\AN00G043.PLT" 144
   PLOTFILE ANNUAL SP9 "OTAY HILLS.AD\AN00G044.PLT" 145
   PLOTFILE ANNUAL TC5 "OTAY HILLS.AD\AN00G045.PLT" 146
   PLOTFILE ANNUAL TC6 "OTAY HILLS.AD\AN00G046.PLT" 147
   PLOTFILE ANNUAL TC7 "OTAY HILLS.AD\AN00G047.PLT" 148
   PLOTFILE ANNUAL TP10 "OTAY HILLS.AD\AN00G048.PLT" 149
   PLOTFILE ANNUAL TP11 "OTAY HILLS.AD\AN00G049.PLT" 150
   PLOTFILE ANNUAL TP12 "OTAY HILLS.AD\AN00G050.PLT" 151
   PLOTFILE ANNUAL TP13 "OTAY HILLS.AD\AN00G051.PLT" 152
   PLOTFILE ANNUAL TP14 "OTAY HILLS.AD\AN00G052.PLT" 153
   PLOTFILE ANNUAL TP15 "OTAY HILLS.AD\AN00G053.PLT" 154
   PLOTFILE ANNUAL TP16 "OTAY HILLS.AD\AN00G054.PLT" 155
   PLOTFILE ANNUAL TP17 "OTAY HILLS.AD\AN00G055.PLT" 156
   PLOTFILE ANNUAL TP18 "OTAY HILLS.AD\AN00G056.PLT" 157
   PLOTFILE ANNUAL TP19 "OTAY HILLS.AD\AN00G057.PLT" 158
   PLOTFILE ANNUAL TP2 "OTAY HILLS.AD\AN00G058.PLT" 159
   PLOTFILE ANNUAL TP20 "OTAY HILLS.AD\AN00G059.PLT" 160
   PLOTFILE ANNUAL TP21 "OTAY HILLS.AD\AN00G060.PLT" 161
   PLOTFILE ANNUAL TP22 "OTAY HILLS.AD\AN00G061.PLT" 162
   PLOTFILE ANNUAL TP23 "OTAY HILLS.AD\AN00G062.PLT" 163
   PLOTFILE ANNUAL TP3 "OTAY HILLS.AD\AN00G063.PLT" 164
   PLOTFILE ANNUAL TP4 "OTAY HILLS.AD\AN00G064.PLT" 165
   PLOTFILE ANNUAL TP5 "OTAY HILLS.AD\AN00G065.PLT" 166
   PLOTFILE ANNUAL TP6 "OTAY HILLS.AD\AN00G066.PLT" 167
   PLOTFILE ANNUAL TP7 "OTAY HILLS.AD\AN00G067.PLT" 168
   PLOTFILE ANNUAL TP8 "OTAY HILLS.AD\AN00G068.PLT" 169
   PLOTFILE ANNUAL TP9 "OTAY HILLS.AD\AN00G069.PLT" 170
   SUMMFILE "Otay Hills.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of          71 Warning Message(s)
 A Total of           0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187    1382       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 OU W565    1463       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1464       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1465       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1466       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1467       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1468       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1469       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1470       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1471       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1472       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1473       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1474       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1475       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1476       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1477       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1478       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1479       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1480       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1481       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1482       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1483       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1484       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1485       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1486       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1487       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1488       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1489       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1490       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
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 OU W565    1491       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1492       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1493       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1494       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1495       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1496       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1497       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1498       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1499       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1500       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1501       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1502       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1503       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1504       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1505       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1506       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1507       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1508       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1509       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1510       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1511       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1512       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1513       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1514       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1515       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1516       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1517       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1518       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1519       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1520       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1521       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1522       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1523       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1524       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1525       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1526       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1527       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1528       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1529       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1530       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1531       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1532       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************


 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                ***     MODEL SETUP OPTIONS SUMMARY
***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses 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.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  TAC

 **Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates ANNUAL Averages
```

```
 **This Run Includes:    514 Source(s);      70 Source Group(s); and     614
Receptor(s)

                with:      9 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    490 VOLUME source(s)
                 and:     15 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of 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) =   160.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      6.1 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   Otay Hills.err
 **File for Summary of Results:   Otay Hills.sum

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                   *** POINT SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE     STACK   STACK
STACK     STACK    BLDG   URBAN  CAP/  EMIS RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.    HEIGHT  TEMP.
EXIT VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC)  (METERS)                     VARY BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 HMA1             0   0.10000E+01  508484.8 3603902.3   210.0     8.50   402.00
17.65     1.22    NO      NO    NO
 CBP1             0   0.10000E+01  508464.2 3603954.7   204.5     4.57    -0.00
1.00     1.00    NO      NO    NO
 CBP2             0   0.10000E+01  508513.2 3603978.7   206.2     4.57    -0.00
1.00     1.00    NO      NO    NO
 CBP3             0   0.10000E+01  508488.5 3603966.6   204.8     4.57    -0.00
1.00     1.00    NO      NO    NO
 CBP4             0   0.10000E+01  508457.5 3604029.8   206.9     4.57    -0.00
1.00     1.00    NO      NO    NO
 AS1              0   0.10000E+01  508521.0 3603814.9   207.4     4.57    -0.00
1.00     1.00    NO      NO    NO
 CTB2             0   0.10000E+01  508541.8 3603808.6   211.3     4.57    -0.00
1.00     1.00    NO      NO    NO
 CTB1             0   0.10000E+01  508532.5 3603801.7   210.4     4.57    -0.00
1.00     1.00    NO      NO    NO
 HMA4             0   0.10000E+01  508463.8 3603910.1   209.1     8.00   402.00
17.65     1.22    NO      NO    NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 TC5              0   0.10000E+01  508520.5 3603817.6   207.2     4.57     0.23
0.23     NO
 RAP1             0   0.10000E+01  508518.3 3603822.1   206.6     4.57     0.24
1.00     NO
 HSI1             0   0.10000E+01  508571.6 3603836.7   212.7     4.57     0.36
1.00     NO
 TC6              0   0.10000E+01  508568.4 3603843.8   212.0     4.57     0.21
1.00     NO
 AS2              0   0.10000E+01  508559.5 3603841.4   211.2     4.57     0.27
1.00     NO
 TC7              0   0.10000E+01  508563.0 3603844.6   211.4     4.57     0.23
0.23     NO
 HMA2             0   0.10000E+01  508479.4 3603914.3   209.3     4.57     1.66
1.00     NO
 HMA3             0   0.10000E+01  508456.9 3603894.7   209.7     4.57     2.04
1.00     NO
 PLO              0   0.10000E+01  508506.6 3603792.2   206.1     4.57     0.23
0.23     NO
 CR1              0   0.10000E+01  508578.1 3603707.3   228.1     4.57     0.36
1.00     NO
 CR2              0   0.10000E+01  508578.1 3603715.8   227.5     4.57     0.36
1.00     NO
 SC1              0   0.10000E+01  508577.8 3603712.0   227.7     4.57     0.27
1.00     NO
 CR3              0   0.10000E+01  508553.6 3603769.2   217.8     4.57     0.36
1.00     NO
 CR4              0   0.10000E+01  508553.8 3603872.9   210.8     4.57     0.36
1.00     NO
 CR5              0   0.10000E+01  508553.8 3603846.0   210.5     4.57     0.36
1.00     NO
```

```
 TP2              0   0.10000E+01  508578.5 3603718.3   227.4     4.57     0.23
0.23     NO
 TP3              0   0.10000E+01  508555.1 3603765.7   218.6     4.57     0.23
0.23     NO
 TP4              0   0.10000E+01  508547.1 3603782.9   215.1     4.57     0.23
0.23     NO
 TP5              0   0.10000E+01  508545.1 3603786.8   214.3     4.57     0.23
0.23     NO
 TP6              0   0.10000E+01  508572.9 3603800.9   216.5     4.57     0.23
0.23     NO
 TP7              0   0.10000E+01  508594.8 3603755.3   225.3     4.57     0.23
0.23     NO
 SC2              0   0.10000E+01  508573.2 3603834.1   213.1     4.57     0.27
1.00     NO
 SC3              0   0.10000E+01  508555.2 3603870.2   210.8     4.57     0.27
1.00     NO
 SC4              0   0.10000E+01  508551.4 3603851.5   210.1     4.57     0.27
1.00     NO
 SC5              0   0.10000E+01  508556.4 3603892.8   211.1     4.57     0.27
1.00     NO
 SC6              0   0.10000E+01  508560.8 3603895.0   211.2     4.57     0.27
1.00     NO
 SC7              0   0.10000E+01  508600.6 3603807.7   218.5     4.57     0.27
1.00     NO
 TP8              0   0.10000E+01  508588.5 3603802.4   218.2     4.57     0.23
0.23     NO
 TP9              0   0.10000E+01  508575.2 3603830.7   213.6     4.57     0.23
0.23     NO
 TP10             0   0.10000E+01  508569.4 3603842.0   212.2     4.57     0.23
0.23     NO
 TP11             0   0.10000E+01  508561.4 3603857.0   210.9     4.57     0.23
0.23     NO
 TP12             0   0.10000E+01  508555.8 3603868.7   210.8     4.57     0.23
0.23     NO
 TP13             0   0.10000E+01  508551.4 3603878.1   210.8     4.57     0.23
0.23     NO
 TP14             0   0.10000E+01  508548.1 3603887.8   210.8     4.57     0.23
0.23     NO
 TP15             0   0.10000E+01  508556.4 3603892.2   211.1     4.57     0.23
0.23     NO
 TP16             0   0.10000E+01  508560.3 3603893.9   211.2     4.57     0.23
0.23     NO
 TP17             0   0.10000E+01  508578.0 3603849.0   212.5     4.57     0.23
0.23     NO
 TP18             0   0.10000E+01  508574.9 3603847.9   212.3     4.57     0.23
0.23     NO
 TP19             0   0.10000E+01  508597.1 3603807.4   218.3     4.57     0.23
0.23     NO
 TP20             0   0.10000E+01  508589.4 3603803.8   218.2     4.57     0.23
0.23     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
```

```
     ID         CATS.                (METERS)  (METERS)  (METERS)  (METERS)  (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 TP21             0   0.10000E+01  508565.0 3603809.9   214.4     4.57     0.23
0.23     NO
 TP22             0   0.10000E+01  508514.7 3603906.9   209.4     4.57     0.23
0.23     NO
 TP23             0   0.10000E+01  508519.6 3603911.1   209.4     4.57     0.23
0.23     NO
 L0001590         0   0.34722E-02  508397.7 3604152.8   216.0     2.59     3.92
2.41     NO
 L0001591         0   0.34722E-02  508389.3 3604152.7   215.5     2.59     3.92
2.41     NO
 L0001592         0   0.34722E-02  508380.8 3604152.7   215.0     2.59     3.92
2.41     NO
 L0001593         0   0.34722E-02  508372.4 3604152.6   214.8     2.59     3.92
2.41     NO
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2.41     NO
 L0001595         0   0.34722E-02  508355.5 3604152.6   214.3     2.59     3.92
2.41     NO
 L0001596         0   0.34722E-02  508347.1 3604152.5   214.1     2.59     3.92
2.41     NO
 L0001597         0   0.34722E-02  508338.6 3604152.5   214.0     2.59     3.92
2.41     NO
 L0001598         0   0.34722E-02  508330.2 3604152.5   213.8     2.59     3.92
2.41     NO
 L0001599         0   0.34722E-02  508321.8 3604152.4   213.6     2.59     3.92
2.41     NO
 L0001600         0   0.34722E-02  508313.3 3604152.4   213.4     2.59     3.92
2.41     NO
 L0001601         0   0.34722E-02  508304.9 3604152.3   213.2     2.59     3.92
2.41     NO
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2.41     NO
 L0001603         0   0.34722E-02  508288.0 3604152.3   212.8     2.59     3.92
2.41     NO
 L0001604         0   0.34722E-02  508279.6 3604152.2   212.5     2.59     3.92
2.41     NO
 L0001605         0   0.34722E-02  508271.1 3604152.2   212.3     2.59     3.92
2.41     NO
 L0001606         0   0.34722E-02  508262.7 3604152.2   212.1     2.59     3.92
2.41     NO
 L0001607         0   0.34722E-02  508254.3 3604152.1   211.9     2.59     3.92
2.41     NO
 L0001608         0   0.34722E-02  508245.8 3604152.1   211.5     2.59     3.92
2.41     NO
 L0001609         0   0.34722E-02  508237.4 3604152.0   211.1     2.59     3.92
2.41     NO
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2.41     NO
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2.41     NO
 L0001612         0   0.34722E-02  508212.1 3604151.9   209.8     2.59     3.92
2.41     NO
 L0001613         0   0.34722E-02  508203.6 3604151.9   209.4     2.59     3.92
2.41     NO
 L0001614         0   0.34722E-02  508195.2 3604151.9   208.9     2.59     3.92
2.41     NO
 L0001615         0   0.34722E-02  508186.8 3604151.8   208.4     2.59     3.92
2.41     NO
 L0001616         0   0.34722E-02  508178.3 3604151.8   207.9     2.59     3.92
2.41     NO
 L0001617         0   0.34722E-02  508169.9 3604151.7   207.5     2.59     3.92
2.41     NO
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 L0001618         0   0.34722E-02  508161.4 3604151.7   207.2     2.59     3.92
2.41     NO
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2.41     NO
 L0001620         0   0.34722E-02  508144.6 3604151.6   206.6     2.59     3.92
2.41     NO
 L0001621         0   0.34722E-02  508136.1 3604151.6   206.3     2.59     3.92
2.41     NO
 L0001622         0   0.34722E-02  508127.7 3604151.6   206.0     2.59     3.92
2.41     NO
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2.41     NO
 L0001624         0   0.34722E-02  508110.8 3604151.5   205.4     2.59     3.92
2.41     NO
 L0001625         0   0.34722E-02  508102.4 3604151.4   205.2     2.59     3.92
2.41     NO
 L0001626         0   0.34722E-02  508093.9 3604151.4   204.9     2.59     3.92
2.41     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0001627         0   0.34722E-02  508085.5 3604151.4   204.8     2.59     3.92
2.41     NO
 L0001628         0   0.34722E-02  508077.1 3604151.3   204.7     2.59     3.92
2.41     NO
 L0001629         0   0.34722E-02  508068.6 3604151.3   204.6     2.59     3.92
2.41     NO
 L0001630         0   0.34722E-02  508060.2 3604151.3   204.4     2.59     3.92
2.41     NO
 L0001631         0   0.34722E-02  508051.7 3604151.2   204.3     2.59     3.92
2.41     NO
 L0001632         0   0.34722E-02  508043.3 3604151.2   204.2     2.59     3.92
2.41     NO
 L0001633         0   0.34722E-02  508034.9 3604151.1   204.1     2.59     3.92
2.41     NO
 L0001634         0   0.34722E-02  508026.4 3604151.1   204.1     2.59     3.92
2.41     NO
 L0001635         0   0.34722E-02  508018.0 3604151.1   204.0     2.59     3.92
2.41     NO
 L0001636         0   0.34722E-02  508009.6 3604151.0   203.9     2.59     3.92
2.41     NO
 L0001637         0   0.34722E-02  508001.1 3604151.0   203.7     2.59     3.92
2.41     NO
 L0001638         0   0.34722E-02  507992.7 3604151.0   203.5     2.59     3.92
2.41     NO
 L0001639         0   0.34722E-02  507984.2 3604150.9   203.4     2.59     3.92
2.41     NO
 L0001640         0   0.34722E-02  507975.8 3604150.9   203.3     2.59     3.92
2.41     NO
 L0001641         0   0.34722E-02  507967.4 3604150.8   203.2     2.59     3.92
2.41     NO
 L0001642         0   0.34722E-02  507958.9 3604150.8   203.0     2.59     3.92
2.41     NO
 L0001643         0   0.34722E-02  507950.5 3604150.8   202.9     2.59     3.92
2.41     NO
 L0001644         0   0.34722E-02  507942.0 3604150.7   202.7     2.59     3.92
2.41     NO
 L0001645         0   0.34722E-02  507933.6 3604150.7   202.6     2.59     3.92
2.41     NO
 L0001646         0   0.34722E-02  507925.2 3604150.7   202.4     2.59     3.92
2.41     NO
 L0001647         0   0.34722E-02  507916.7 3604150.6   202.2     2.59     3.92
2.41     NO
 L0001648         0   0.34722E-02  507908.3 3604150.6   201.9     2.59     3.92
2.41     NO
 L0001649         0   0.34722E-02  507899.9 3604150.5   201.6     2.59     3.92
2.41     NO
 L0001650         0   0.34722E-02  507891.4 3604150.5   201.3     2.59     3.92
2.41     NO
 L0001651         0   0.34722E-02  507883.0 3604150.5   201.0     2.59     3.92
2.41     NO
 L0001652         0   0.34722E-02  507874.5 3604150.4   200.6     2.59     3.92
2.41     NO
 L0001653         0   0.34722E-02  507866.1 3604150.4   200.2     2.59     3.92
2.41     NO
 L0001654         0   0.34722E-02  507857.7 3604150.4   199.8     2.59     3.92
2.41     NO
 L0001655         0   0.34722E-02  507849.2 3604150.3   199.5     2.59     3.92
2.41     NO
 L0001656         0   0.34722E-02  507840.8 3604150.3   199.2     2.59     3.92
2.41     NO
 L0001657         0   0.34722E-02  507832.3 3604150.2   199.0     2.59     3.92
2.41     NO
 L0001658         0   0.34722E-02  507823.9 3604150.2   198.7     2.59     3.92
2.41     NO
 L0001659         0   0.34722E-02  507815.5 3604150.2   198.5     2.59     3.92
2.41     NO
 L0001660         0   0.34722E-02  507807.0 3604150.1   198.2     2.59     3.92
2.41     NO
 L0001661         0   0.34722E-02  507798.6 3604150.1   197.5     2.59     3.92
2.41     NO
 L0001662         0   0.34722E-02  507790.2 3604150.1   196.9     2.59     3.92
2.41     NO
 L0001663         0   0.34722E-02  507781.7 3604150.0   196.3     2.59     3.92
2.41     NO
 L0001664         0   0.34722E-02  507773.3 3604150.0   195.8     2.59     3.92
2.41     NO
 L0001665         0   0.34722E-02  507764.8 3604149.9   195.4     2.59     3.92
2.41     NO
 L0001666         0   0.34722E-02  507756.4 3604149.9   194.9     2.59     3.92
2.41     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
```

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY
L0001667	0	0.34722E-02	507748.0	3604149.9	194.6	2.59	3.92	2.41	NO	
L0001668	0	0.34722E-02	507739.5	3604149.8	194.2	2.59	3.92	2.41	NO	
L0001669	0	0.34722E-02	507731.1	3604149.8	193.9	2.59	3.92	2.41	NO	
L0001670	0	0.34722E-02	507722.7	3604149.8	193.5	2.59	3.92	2.41	NO	
L0001671	0	0.34722E-02	507714.2	3604149.7	193.2	2.59	3.92	2.41	NO	
L0001672	0	0.34722E-02	507705.8	3604149.7	192.8	2.59	3.92	2.41	NO	
L0001673	0	0.34722E-02	507697.3	3604149.6	192.5	2.59	3.92	2.41	NO	
L0001674	0	0.34722E-02	507688.9	3604149.6	192.2	2.59	3.92	2.41	NO	
L0001675	0	0.34722E-02	507680.5	3604149.6	191.9	2.59	3.92	2.41	NO	
L0001676	0	0.34722E-02	507672.0	3604149.5	191.7	2.59	3.92	2.41	NO	
L0001677	0	0.34722E-02	507663.6	3604149.5	191.6	2.59	3.92	2.41	NO	
L0001678	0	0.34722E-02	507655.1	3604149.4	191.4	2.59	3.92	2.41	NO	
L0001679	0	0.34722E-02	507646.7	3604149.4	191.3	2.59	3.92	2.41	NO	
L0001680	0	0.34722E-02	507638.3	3604149.4	191.2	2.59	3.92	2.41	NO	
L0001681	0	0.34722E-02	507629.8	3604149.3	191.1	2.59	3.92	2.41	NO	
L0001682	0	0.34722E-02	507621.4	3604149.3	191.1	2.59	3.92	2.41	NO	
L0001683	0	0.34722E-02	507613.0	3604149.3	191.0	2.59	3.92	2.41	NO	
L0001684	0	0.34722E-02	507604.5	3604149.2	191.0	2.59	3.92	2.41	NO	
L0001685	0	0.34722E-02	507596.7	3604148.6	190.9	2.59	3.92	2.41	NO	
L0001686	0	0.34722E-02	507596.6	3604140.1	190.8	2.59	3.92	2.41	NO	
L0001687	0	0.34722E-02	507596.6	3604131.7	190.7	2.59	3.92	2.41	NO	
L0001688	0	0.34722E-02	507596.5	3604123.2	190.6	2.59	3.92	2.41	NO	
L0001689	0	0.34722E-02	507596.5	3604114.8	190.6	2.59	3.92	2.41	NO	
L0001690	0	0.34722E-02	507596.4	3604106.4	190.5	2.59	3.92	2.41	NO	
L0001691	0	0.34722E-02	507596.4	3604097.9	190.4	2.59	3.92	2.41	NO	
L0001692	0	0.34722E-02	507596.3	3604089.5	190.5	2.59	3.92	2.41	NO	
L0001693	0	0.34722E-02	507596.2	3604081.1	190.6	2.59	3.92	2.41	NO	
L0001694	0	0.34722E-02	507596.2	3604072.6	190.6	2.59	3.92	2.41	NO	
L0001695	0	0.34722E-02	507596.1	3604064.2	190.7	2.59	3.92	2.41	NO	
L0001696	0	0.34722E-02	507596.1	3604055.7	190.8	2.59	3.92	2.41	NO	
L0001697	0	0.34722E-02	507596.0	3604047.3	190.8	2.59	3.92	2.41	NO	
L0001698	0	0.34722E-02	507596.0	3604038.9	190.9	2.59	3.92	2.41	NO	
L0001699	0	0.34722E-02	507595.9	3604030.4	191.0	2.59	3.92	2.41	NO	
L0001700	0	0.34722E-02	507595.8	3604022.0	191.0	2.59	3.92	2.41	NO	
L0001701	0	0.34722E-02	507595.8	3604013.5	191.0	2.59	3.92	2.41	NO	
L0001702	0	0.34722E-02	507595.7	3604005.1	191.1	2.59	3.92	2.41	NO	
L0001703	0	0.34722E-02	507595.7	3603996.7	191.1	2.59	3.92	2.41	NO	
L0001704	0	0.34722E-02	507595.6	3603988.2	191.1	2.59	3.92	2.41	NO	
L0001705	0	0.34722E-02	507595.6	3603979.8	191.1	2.59	3.92	2.41	NO	
L0001706	0	0.34722E-02	507595.5	3603971.4	191.1	2.59	3.92	2.41	NO	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 7
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001707	0	0.34722E-02	507595.4	3603962.9	191.0	2.59	3.92	2.41	NO	
L0001708	0	0.34722E-02	507595.4	3603954.5	191.0	2.59	3.92	2.41	NO	
L0001709	0	0.34722E-02	507595.3	3603946.0	191.0	2.59	3.92	2.41	NO	
L0001710	0	0.34722E-02	507595.3	3603937.6	190.9	2.59	3.92	2.41	NO	
L0001711	0	0.34722E-02	507595.2	3603929.2	190.8	2.59	3.92	2.41	NO	
L0001712	0	0.34722E-02	507595.2	3603920.7	190.7	2.59	3.92	2.41	NO	
L0001713	0	0.34722E-02	507595.1	3603912.3	190.7	2.59	3.92	2.41	NO	
L0001714	0	0.34722E-02	507595.0	3603903.8	190.6	2.59	3.92	2.41	NO	
L0001715	0	0.34722E-02	507595.0	3603895.4	190.5	2.59	3.92	2.41	NO	
L0001716	0	0.34722E-02	507594.9	3603887.0	190.5	2.59	3.92	2.41	NO	
L0001717	0	0.34722E-02	507594.9	3603878.5	190.4	2.59	3.92	2.41	NO	
L0001718	0	0.34722E-02	507594.8	3603870.1	190.4	2.59	3.92	2.41	NO	
L0001719	0	0.34722E-02	507594.8	3603861.7	190.3	2.59	3.92	2.41	NO	

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 L0001720         0   0.34722E-02  507594.7 3603853.2   190.3     2.59     3.92
2.41     NO
 L0001721         0   0.34722E-02  507594.6 3603844.8   190.2     2.59     3.92
2.41     NO
 L0001722         0   0.34722E-02  507594.6 3603836.3   190.2     2.59     3.92
2.41     NO
 L0001723         0   0.34722E-02  507594.5 3603827.9   190.2     2.59     3.92
2.41     NO
 L0001724         0   0.34722E-02  507594.5 3603819.5   190.1     2.59     3.92
2.41     NO
 L0001725         0   0.34722E-02  507594.4 3603811.0   190.1     2.59     3.92
2.41     NO
 L0001726         0   0.34722E-02  507594.4 3603802.6   190.1     2.59     3.92
2.41     NO
 L0001727         0   0.34722E-02  507594.3 3603794.2   190.1     2.59     3.92
2.41     NO
 L0001728         0   0.34722E-02  507594.2 3603785.7   190.1     2.59     3.92
2.41     NO
 L0001729         0   0.34722E-02  507594.2 3603777.3   190.2     2.59     3.92
2.41     NO
 L0001730         0   0.34722E-02  507594.1 3603768.8   190.3     2.59     3.92
2.41     NO
 L0001731         0   0.34722E-02  507594.1 3603760.4   190.4     2.59     3.92
2.41     NO
 L0001732         0   0.34722E-02  507594.0 3603752.0   190.4     2.59     3.92
2.41     NO
 L0001733         0   0.34722E-02  507594.0 3603743.5   190.4     2.59     3.92
2.41     NO
 L0001734         0   0.34722E-02  507593.9 3603735.1   190.3     2.59     3.92
2.41     NO
 L0001735         0   0.34722E-02  507593.8 3603726.6   190.3     2.59     3.92
2.41     NO
 L0001736         0   0.34722E-02  507593.8 3603718.2   190.1     2.59     3.92
2.41     NO
 L0001737         0   0.34722E-02  507593.7 3603709.8   190.0     2.59     3.92
2.41     NO
 L0001738         0   0.34722E-02  507593.7 3603701.3   189.8     2.59     3.92
2.41     NO
 L0001739         0   0.34722E-02  507593.6 3603692.9   189.8     2.59     3.92
2.41     NO
 L0001740         0   0.34722E-02  507593.5 3603684.5   189.8     2.59     3.92
2.41     NO
 L0001741         0   0.34722E-02  507593.5 3603676.0   189.9     2.59     3.92
2.41     NO
 L0001742         0   0.34722E-02  507593.4 3603667.6   189.9     2.59     3.92
2.41     NO
 L0001743         0   0.34722E-02  507593.4 3603659.1   190.1     2.59     3.92
2.41     NO
 L0001744         0   0.34722E-02  507593.3 3603650.7   190.3     2.59     3.92
2.41     NO
 L0001745         0   0.34722E-02  507593.3 3603642.3   190.4     2.59     3.92
2.41     NO
 L0001746         0   0.34722E-02  507593.2 3603633.8   190.6     2.59     3.92
2.41     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                  *** VOLUME SOURCE DATA ***

                NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID          CATS.                (METERS)  (METERS)  (METERS)  (METERS)  (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

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2.41     NO
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***
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                NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***       05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

                NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***         05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                        BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y       ELEV.    HEIGHT      SY
SZ    SOURCE   SCALAR VARY
     ID         CATS.              (METERS)  (METERS)  (METERS)  (METERS)  (METERS)
(METERS)           BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0001460         0   0.62893E-02  508427.2 3604003.5   204.1     2.59     3.92
2.41    NO
 L0001461         0   0.62893E-02  508419.4 3604000.4   203.8     2.59     3.92
2.41    NO
 L0001462         0   0.62893E-02  508412.1 3603996.3   203.4     2.59     3.92
2.41    NO
 L0001463         0   0.62893E-02  508407.1 3603989.9   202.5     2.59     3.92
2.41    NO
 L0001464         0   0.62893E-02  508406.3 3603981.8   201.3     2.59     3.92
2.41    NO
 L0001465         0   0.62893E-02  508407.3 3603973.4   200.5     2.59     3.92
2.41    NO
 L0001466         0   0.62893E-02  508408.4 3603965.0   200.6     2.59     3.92
2.41    NO
 L0001467         0   0.62893E-02  508409.4 3603956.7   200.7     2.59     3.92
2.41    NO
 L0001468         0   0.62893E-02  508410.4 3603948.3   200.8     2.59     3.92
2.41    NO
 L0001469         0   0.62893E-02  508411.5 3603939.9   201.7     2.59     3.92
2.41    NO
 L0001470         0   0.62893E-02  508412.5 3603931.6   202.9     2.59     3.92
2.41    NO
 L0001471         0   0.62893E-02  508413.5 3603923.2   204.1     2.59     3.92
2.41    NO
 L0001472         0   0.62893E-02  508414.6 3603914.8   205.3     2.59     3.92
2.41    NO
 L0001473         0   0.62893E-02  508415.6 3603906.4   205.9     2.59     3.92
2.41    NO
 L0001474         0   0.62893E-02  508416.6 3603898.1   206.6     2.59     3.92
2.41    NO
 L0001475         0   0.62893E-02  508418.8 3603890.0   207.3     2.59     3.92
2.41    NO
 L0001476         0   0.62893E-02  508421.9 3603882.1   207.8     2.59     3.92
2.41    NO
 L0001477         0   0.62893E-02  508425.1 3603874.3   207.0     2.59     3.92
2.41    NO
 L0001478         0   0.62893E-02  508428.2 3603866.5   206.0     2.59     3.92
2.41    NO
 L0001479         0   0.62893E-02  508431.4 3603858.7   204.8     2.59     3.92
2.41    NO
 L0001480         0   0.62893E-02  508435.1 3603851.2   203.6     2.59     3.92
2.41    NO
 L0001481         0   0.62893E-02  508440.9 3603845.1   204.3     2.59     3.92
2.41    NO
 L0001482         0   0.62893E-02  508446.8 3603839.0   205.0     2.59     3.92
2.41    NO
 L0001483         0   0.62893E-02  508452.6 3603832.9   205.6     2.59     3.92
2.41    NO
 L0001484         0   0.62893E-02  508458.8 3603827.2   206.2     2.59     3.92
2.41    NO
 L0001485         0   0.62893E-02  508466.3 3603823.4   206.1     2.59     3.92
2.41    NO
 L0001486         0   0.62893E-02  508473.8 3603819.5   205.6     2.59     3.92
2.41    NO
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 L0001487         0   0.62893E-02  508481.3 3603815.7   205.1     2.59     3.92
2.41     NO
 L0001488         0   0.62893E-02  508488.8 3603811.8   204.8     2.59     3.92
2.41     NO
 L0001489         0   0.62893E-02  508496.1 3603807.8   205.1     2.59     3.92
2.41     NO
 L0001490         0   0.62893E-02  508500.5 3603800.6   205.4     2.59     3.92
2.41     NO
 L0001491         0   0.62893E-02  508504.9 3603793.4   205.8     2.59     3.92
2.41     NO
 L0001492         0   0.62893E-02  508507.0 3603785.3   206.7     2.59     3.92
2.41     NO
 L0001493         0   0.62893E-02  508508.7 3603777.0   207.8     2.59     3.92
2.41     NO
 L0001494         0   0.62893E-02  508510.4 3603768.7   209.0     2.59     3.92
2.41     NO
 L0001495         0   0.62893E-02  508512.1 3603760.5   210.2     2.59     3.92
2.41     NO
 L0001496         0   0.62893E-02  508513.7 3603752.2   211.4     2.59     3.92
2.41     NO
 L0001497         0   0.62893E-02  508515.4 3603743.9   212.5     2.59     3.92
2.41     NO
 L0001498         0   0.62893E-02  508518.4 3603736.5   213.9     2.59     3.92
2.41     NO
 L0001499         0   0.62893E-02  508525.3 3603731.6   215.7     2.59     3.92
2.41     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0001500         0   0.62893E-02  508532.1 3603726.7   217.5     2.59     3.92
2.41     NO
 L0001501         0   0.62893E-02  508539.0 3603721.8   219.2     2.59     3.92
2.41     NO
 L0001502         0   0.62893E-02  508545.3 3603716.2   221.0     2.59     3.92
2.41     NO
 L0001503         0   0.62893E-02  508550.8 3603709.9   222.6     2.59     3.92
2.41     NO
 L0001504         0   0.62893E-02  508554.4 3603702.3   223.9     2.59     3.92
2.41     NO
 L0001505         0   0.62893E-02  508558.1 3603694.7   225.2     2.59     3.92
2.41     NO
 L0001506         0   0.62893E-02  508561.8 3603687.2   226.3     2.59     3.92
2.41     NO
 L0001507         0   0.62893E-02  508565.5 3603679.6   227.4     2.59     3.92
2.41     NO
 L0001508         0   0.62893E-02  508569.2 3603672.0   228.5     2.59     3.92
2.41     NO
 L0001509         0   0.62893E-02  508568.9 3603663.6   228.5     2.59     3.92
2.41     NO
 L0001510         0   0.62893E-02  508564.9 3603656.8   227.5     2.59     3.92
2.41     NO
 L0001511         0   0.62893E-02  508556.5 3603656.2   225.7     2.59     3.92
2.41     NO
 L0001512         0   0.62893E-02  508551.6 3603663.1   224.9     2.59     3.92
2.41     NO
 L0001513         0   0.62893E-02  508550.8 3603671.5   224.7     2.59     3.92
2.41     NO
 L0001514         0   0.62893E-02  508550.1 3603679.9   224.2     2.59     3.92
2.41     NO
 L0001515         0   0.62893E-02  508549.3 3603688.3   223.6     2.59     3.92
2.41     NO
 L0001516         0   0.62893E-02  508547.7 3603696.4   222.9     2.59     3.92
2.41     NO
 L0001517         0   0.62893E-02  508543.8 3603703.9   221.6     2.59     3.92
2.41     NO
 L0001518         0   0.62893E-02  508539.9 3603711.4   220.2     2.59     3.92
2.41     NO
 L0001519         0   0.62893E-02  508535.3 3603718.2   218.8     2.59     3.92
2.41     NO
 L0001520         0   0.62893E-02  508527.9 3603722.2   217.0     2.59     3.92
2.41     NO
 L0001521         0   0.62893E-02  508520.5 3603726.2   215.2     2.59     3.92
2.41     NO
 L0001522         0   0.62893E-02  508513.1 3603730.3   213.4     2.59     3.92
2.41     NO
 L0001523         0   0.62893E-02  508505.9 3603734.6   211.5     2.59     3.92
2.41     NO
 L0001524         0   0.62893E-02  508500.2 3603740.8   209.7     2.59     3.92
2.41     NO
 L0001525         0   0.62893E-02  508494.9 3603747.3   207.8     2.59     3.92
2.41     NO
 L0001526         0   0.62893E-02  508489.5 3603753.9   205.9     2.59     3.92
2.41     NO
 L0001527         0   0.62893E-02  508484.2 3603760.4   204.2     2.59     3.92
2.41     NO
 L0001528         0   0.62893E-02  508478.9 3603767.0   203.4     2.59     3.92
2.41     NO
 L0001529         0   0.62893E-02  508473.6 3603773.5   202.9     2.59     3.92
2.41     NO
 L0001530         0   0.62893E-02  508469.4 3603780.8   202.8     2.59     3.92
2.41     NO
 L0001531         0   0.62893E-02  508465.8 3603788.4   202.9     2.59     3.92
2.41     NO
 L0001532         0   0.62893E-02  508462.1 3603796.0   203.5     2.59     3.92
2.41     NO
 L0001533         0   0.62893E-02  508458.4 3603803.6   203.9     2.59     3.92
2.41     NO
 L0001534         0   0.62893E-02  508454.7 3603811.2   204.0     2.59     3.92
2.41     NO
 L0001535         0   0.62893E-02  508451.0 3603818.8   204.0     2.59     3.92
2.41     NO
 L0001536         0   0.62893E-02  508447.3 3603826.4   203.9     2.59     3.92
2.41     NO
 L0001537         0   0.62893E-02  508442.6 3603833.1   203.6     2.59     3.92
2.41     NO
 L0001538         0   0.62893E-02  508435.9 3603838.3   202.7     2.59     3.92
2.41     NO
 L0001539         0   0.62893E-02  508429.3 3603843.4   203.0     2.59     3.92
2.41     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  14
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0001540         0   0.62893E-02  508422.6 3603848.6   203.8     2.59     3.92
2.41     NO
 L0001541         0   0.62893E-02  508415.9 3603853.7   204.7     2.59     3.92
2.41     NO
 L0001542         0   0.62893E-02  508409.2 3603858.9   205.3     2.59     3.92
2.41     NO
 L0001543         0   0.62893E-02  508404.1 3603865.4   205.4     2.59     3.92
2.41     NO
 L0001544         0   0.62893E-02  508402.1 3603873.5   205.6     2.59     3.92
2.41     NO
 L0001545         0   0.62893E-02  508401.9 3603881.9   206.0     2.59     3.92
2.41     NO
 L0001546         0   0.62893E-02  508401.8 3603890.4   205.7     2.59     3.92
2.41     NO
 L0001547         0   0.62893E-02  508401.8 3603898.8   205.2     2.59     3.92
2.41     NO
 L0001548         0   0.62893E-02  508401.7 3603907.2   204.7     2.59     3.92
2.41     NO
 L0001549         0   0.62893E-02  508401.7 3603915.7   204.1     2.59     3.92
2.41     NO
 L0001550         0   0.62893E-02  508401.6 3603924.1   203.0     2.59     3.92
2.41     NO
 L0001551         0   0.62893E-02  508401.6 3603932.6   202.0     2.59     3.92
2.41     NO
 L0001552         0   0.62893E-02  508401.5 3603941.0   200.9     2.59     3.92
2.41     NO
 L0001553         0   0.62893E-02  508401.4 3603949.4   200.3     2.59     3.92
2.41     NO
 L0001554         0   0.62893E-02  508401.4 3603957.9   200.3     2.59     3.92
2.41     NO
 L0001555         0   0.62893E-02  508401.3 3603966.3   200.4     2.59     3.92
2.41     NO
 L0001556         0   0.62893E-02  508401.3 3603974.8   200.4     2.59     3.92
2.41     NO
 L0001557         0   0.62893E-02  508401.2 3603983.2   201.4     2.59     3.92
2.41     NO
 L0001558         0   0.62893E-02  508401.2 3603991.6   202.7     2.59     3.92
2.41     NO
 L0001559         0   0.62893E-02  508401.1 3604000.1   203.9     2.59     3.92
2.41     NO
 L0001560         0   0.62893E-02  508401.1 3604008.5   205.1     2.59     3.92
2.41     NO
 L0001561         0   0.62893E-02  508401.4 3604016.9   206.2     2.59     3.92
2.41     NO
 L0001562         0   0.62893E-02  508402.4 3604025.3   207.4     2.59     3.92
2.41     NO
 L0001563         0   0.62893E-02  508403.5 3604033.7   208.6     2.59     3.92
2.41     NO
 L0001564         0   0.62893E-02  508404.5 3604042.0   209.5     2.59     3.92
2.41     NO
 L0001565         0   0.62893E-02  508405.5 3604050.4   210.2     2.59     3.92
2.41     NO
 L0001566         0   0.62893E-02  508406.6 3604058.8   210.8     2.59     3.92
2.41     NO
 L0001567         0   0.62893E-02  508411.6 3604065.1   211.6     2.59     3.92
2.41     NO
 L0001568         0   0.62893E-02  508417.7 3604071.0   212.3     2.59     3.92
2.41     NO
 L0001569         0   0.62893E-02  508425.8 3604073.2   212.8     2.59     3.92
2.41     NO
 L0001570         0   0.62893E-02  508434.1 3604073.9   213.2     2.59     3.92
2.41     NO
 L0001571         0   0.62893E-02  508442.6 3604073.6   213.1     2.59     3.92
2.41     NO
 L0001572         0   0.62893E-02  508451.0 3604073.4   212.9     2.59     3.92
2.41     NO
 L0001573         0   0.62893E-02  508459.4 3604073.2   212.8     2.59     3.92
2.41     NO
 L0001574         0   0.62893E-02  508467.9 3604072.9   212.3     2.59     3.92
2.41     NO
 L0001575         0   0.62893E-02  508476.3 3604072.7   211.8     2.59     3.92
2.41     NO
 L0001576         0   0.62893E-02  508484.7 3604072.4   211.3     2.59     3.92
2.41     NO
 L0001577         0   0.62893E-02  508493.2 3604072.2   211.2     2.59     3.92
2.41     NO
 L0001578         0   0.62893E-02  508501.6 3604071.9   211.3     2.59     3.92
2.41     NO
 L0001579         0   0.62893E-02  508510.0 3604071.7   211.3     2.59     3.92
2.41     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 L0001580         0   0.62893E-02  508518.4 3604071.6   211.1     2.59     3.92
2.41     NO
 L0001581         0   0.62893E-02  508524.7 3604077.2   211.5     2.59     3.92
2.41     NO
 L0001582         0   0.62893E-02  508528.6 3604084.2   212.0     2.59     3.92
2.41     NO
 L0001583         0   0.62893E-02  508528.3 3604092.2   212.8     2.59     3.92
2.41     NO
 L0001584         0   0.62893E-02  508524.2 3604099.4   213.7     2.59     3.92
2.41     NO
 L0001585         0   0.62893E-02  508517.1 3604104.0   214.4     2.59     3.92
2.41     NO
 L0001586         0   0.62893E-02  508510.1 3604108.7   214.9     2.59     3.92
2.41     NO
 L0001587         0   0.62893E-02  508503.0 3604113.3   215.2     2.59     3.92
2.41     NO
 L0001588         0   0.62893E-02  508496.0 3604117.9   215.6     2.59     3.92
2.41     NO
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 L0001589         0   0.62893E-02  508488.9 3604122.6   215.9     2.59     3.92
2.41     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                *** AREA SOURCE DATA ***

               NUMBER EMISSION RATE  COORD (SW CORNER)  BASE     RELEASE  X-DIM
Y-DIM    ORIENT.    INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF AREA
OF AREA   OF AREA     SZ     SOURCE  SCALAR VARY
     ID         CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   (DEG.)  (METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 SP1             0   0.60851E-03  508576.8 3603735.9   225.5     9.14     40.54
40.54      0.00     0.00     NO
 SP2             0   0.97632E-03  508516.1 3603736.7   213.4     7.31     32.00
32.00      0.00     0.00     NO
 SP6             0   0.13728E-02  508481.2 3603855.8   208.9     4.57     26.99
26.99      0.00     0.00     NO
 SP7             0   0.13728E-02  508487.7 3603842.6   207.5     4.57     26.99
26.99      0.00     0.00     NO
 SP8             0   0.13728E-02  508494.4 3603828.4   206.1     4.57     26.99
26.99      0.00     0.00     NO
 SP9             0   0.13728E-02  508501.4 3603814.9   205.6     3.05     26.99
26.99      0.00     0.00     NO
 SP10            0   0.13728E-02  508507.6 3603801.4   206.1     3.05     26.99
26.99      0.00     0.00     NO
 SP11            0   0.38610E-02  508515.8 3603879.3   209.7     3.05     16.09
16.09      0.00     0.00     NO
 SP15            0   0.13728E-02  508473.0 3603688.6   207.1     1.22     26.99
26.99      0.00     0.00     NO
 SP16            0   0.13728E-02  508503.8 3603695.4   214.0     1.22     26.99
26.99      0.00     0.00     NO
 SP17            0   0.13728E-02  508519.7 3603678.8   218.2     1.22     26.99
26.99      0.00     0.00     NO
 SP18            0   0.13728E-02  508523.8 3603652.8   219.0     1.22     26.99
26.99      0.00     0.00     NO
 DST1            0   0.14704E-01  508426.0 3604048.9   210.4     1.00      5.48
12.41      0.00     0.00     NO
 RMP             0   0.18838E-02  508486.8 3603663.8   210.5     8.50     23.09
22.99      0.00     0.00     NO

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                *** AREAPOLY SOURCE DATA ***

               NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF
VERTS.     SZ     SOURCE  SCALAR VARY
     ID         CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 OFFRD           0   0.60436E-05  508609.1 3603549.9   224.5     4.57      20
0.00     NO

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Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                                SOURCE IDs
 -----------                                                ----------


  AS1        AS1         ,

  AS2        AS2         ,

  CBP1       CBP1        ,

  CBP2       CBP2        ,

  CBP3       CBP3        ,

  CBP4       CBP4        ,

  CR1        CR1         ,

  CR2        CR2         ,

  CR3        CR3         ,

  CR4        CR4         ,

  CR5        CR5         ,

  CTB1       CTB1        ,

  CTB2       CTB2        ,

  DST1       DST1        ,

  HAUL       L0001590    , L0001591    , L0001592    , L0001593    , L0001594
, L0001595    , L0001596    , L0001597    ,

             L0001598    , L0001599    , L0001600    , L0001601    , L0001602
, L0001603    , L0001604    , L0001605    ,

             L0001606    , L0001607    , L0001608    , L0001609    , L0001610
, L0001611    , L0001612    , L0001613    ,

             L0001614    , L0001615    , L0001616    , L0001617    , L0001618
, L0001619    , L0001620    , L0001621    ,

             L0001622    , L0001623    , L0001624    , L0001625    , L0001626
, L0001627    , L0001628    , L0001629    ,
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            L0001630    , L0001631    , L0001632    , L0001633    , L0001634
, L0001635    , L0001636    , L0001637    ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                              SOURCE IDs
 -----------                                              ----------


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, L0001643    , L0001644    , L0001645    ,

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, L0001667    , L0001668    , L0001669    ,

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, L0001675    , L0001676    , L0001677    ,

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, L0001683    , L0001684    , L0001685    ,

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, L0001691    , L0001692    , L0001693    ,

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, L0001699    , L0001700    , L0001701    ,

            L0001702    , L0001703    , L0001704    , L0001705    , L0001706
, L0001707    , L0001708    , L0001709    ,

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, L0001715    , L0001716    , L0001717    ,

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, L0001723    , L0001724    , L0001725    ,

            L0001726    , L0001727    , L0001728    , L0001729    , L0001730
, L0001731    , L0001732    , L0001733    ,

            L0001734    , L0001735    , L0001736    , L0001737    , L0001738
, L0001739    , L0001740    , L0001741    ,

            L0001742    , L0001743    , L0001744    , L0001745    , L0001746
, L0001747    , L0001748    , L0001749    ,

            L0001750    , L0001751    , L0001752    , L0001753    , L0001754
, L0001755    , L0001756    , L0001757    ,

            L0001758    , L0001759    , L0001760    , L0001761    , L0001762
, L0001763    , L0001764    , L0001765    ,

            L0001766    , L0001767    , L0001768    , L0001769    , L0001770
, L0001771    , L0001772    , L0001773    ,

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, L0001779    , L0001780    , L0001781    ,

            L0001782    , L0001783    , L0001784    , L0001785    , L0001786
, L0001787    , L0001788    , L0001789    ,

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, L0001795    , L0001796    , L0001797    ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                              SOURCE IDs
 -----------                                              ----------


            L0001798    , L0001799    , L0001800    , L0001801    , L0001802
, L0001803    , L0001804    , L0001805    ,

            L0001806    , L0001807    , L0001808    , L0001809    , L0001810
, L0001811    , L0001812    , L0001813    ,

            L0001814    , L0001815    , L0001816    , L0001817    , L0001818
, L0001819    , L0001820    , L0001821    ,

            L0001822    , L0001823    , L0001824    , L0001825    , L0001826
, L0001827    , L0001828    , L0001829    ,

            L0001830    , L0001831    , L0001832    , L0001833    , L0001834
, L0001835    , L0001836    , L0001837    ,

            L0001838    , L0001839    , L0001840    , L0001841    , L0001842
, L0001843    , L0001844    , L0001845    ,

            L0001846    , L0001847    , L0001848    , L0001849    , L0001850
, L0001851    , L0001852    , L0001853    ,

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, L0001859    , L0001860    , L0001861    ,

            L0001862    , L0001863    , L0001864    , L0001865    , L0001866
, L0001867    , L0001868    , L0001869    ,

            L0001870    , L0001871    , L0001872    , L0001873    , L0001874
, L0001875    , L0001876    , L0001877    ,

  HMA1       HMA1        ,

  HMA2       HMA2        ,

  HMA3       HMA3        ,

  HMA4       HMA4        ,

  HSI1       HSI1        ,
```

```
  OFFRD      OFFRD       ,

  PLO        PLO         ,

  RAP1       RAP1        ,

  RMP        RMP         ,

  ROAD       L0001431    , L0001432    , L0001433    , L0001434    , L0001435
, L0001436    , L0001437    , L0001438    ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                            SOURCE IDs
 -----------                                            ----------


            L0001439    , L0001440    , L0001441    , L0001442    , L0001443
, L0001444    , L0001445    , L0001446    ,

            L0001447    , L0001448    , L0001449    , L0001450    , L0001451
, L0001452    , L0001453    , L0001454    ,

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, L0001460    , L0001461    , L0001462    ,

            L0001463    , L0001464    , L0001465    , L0001466    , L0001467
, L0001468    , L0001469    , L0001470    ,

            L0001471    , L0001472    , L0001473    , L0001474    , L0001475
, L0001476    , L0001477    , L0001478    ,

            L0001479    , L0001480    , L0001481    , L0001482    , L0001483
, L0001484    , L0001485    , L0001486    ,

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, L0001492    , L0001493    , L0001494    ,

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, L0001500    , L0001501    , L0001502    ,

            L0001503    , L0001504    , L0001505    , L0001506    , L0001507
, L0001508    , L0001509    , L0001510    ,

            L0001511    , L0001512    , L0001513    , L0001514    , L0001515
, L0001516    , L0001517    , L0001518    ,

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, L0001524    , L0001525    , L0001526    ,

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, L0001532    , L0001533    , L0001534    ,

            L0001535    , L0001536    , L0001537    , L0001538    , L0001539
, L0001540    , L0001541    , L0001542    ,

            L0001543    , L0001544    , L0001545    , L0001546    , L0001547
, L0001548    , L0001549    , L0001550    ,

            L0001551    , L0001552    , L0001553    , L0001554    , L0001555
, L0001556    , L0001557    , L0001558    ,

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, L0001564    , L0001565    , L0001566    ,

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, L0001580    , L0001581    , L0001582    ,

            L0001583    , L0001584    , L0001585    , L0001586    , L0001587
, L0001588    , L0001589    ,

  SC1        SC1         ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                            SOURCE IDs
 -----------                                            ----------


  SC2        SC2         ,

  SC3        SC3         ,

  SC4        SC4         ,

  SC5        SC5         ,

  SC6        SC6         ,

  SC7        SC7         ,

  SP1        SP1         ,

  SP10       SP10        ,

  SP11       SP11        ,

  SP15       SP15        ,

  SP16       SP16        ,

  SP17       SP17        ,

  SP18       SP18        ,

  SP2        SP2         ,

  SP6        SP6         ,

  SP7        SP7         ,
```

```
  SP8        SP8         ,

  SP9        SP9         ,

  TC5        TC5         ,

  TC6        TC6         ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                                SOURCE IDs
 -----------                                                ----------


  TC7        TC7         ,

  TP10       TP10        ,

  TP11       TP11        ,

  TP12       TP12        ,

  TP13       TP13        ,

  TP14       TP14        ,

  TP15       TP15        ,

  TP16       TP16        ,

  TP17       TP17        ,

  TP18       TP18        ,

  TP19       TP19        ,

  TP2        TP2         ,

  TP20       TP20        ,

  TP21       TP21        ,

  TP22       TP22        ,

  TP23       TP23        ,

  TP3        TP3         ,

  TP4        TP4         ,

  TP5        TP5         ,

  TP6        TP6         ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                                SOURCE IDs
 -----------                                                ----------


  TP7        TP7         ,

  TP8        TP8         ,

  TP9        TP9         ,

  ALL        HMA1        , OFFRD       , CBP1        , CBP2        , CBP3
, CBP4        , AS1         , TC5         ,

             RAP1        , HSI1        , TC6         , AS2         , TC7
, HMA2        , HMA3        , CTB2        ,

             CTB1        , SP1         , SP2         , SP6         , SP7
, SP8         , SP9         , SP10        ,

             SP11        , SP15        , SP16        , SP17        , SP18
, HMA4        , PLO         , DST1        ,

             RMP         , CR1         , CR2         , SC1         , CR3
, CR4         , CR5         , TP2         ,

             TP3         , TP4         , TP5         , TP6         , TP7
, SC2         , SC3         , SC4         ,

             SC5         , SC6         , SC7         , TP8         , TP9
, TP10        , TP11        , TP12        ,

             TP13        , TP14        , TP15        , TP16        , TP17
, TP18        , TP19        , TP20        ,

             TP21        , TP22        , TP23        , L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,

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, L0001600    , L0001601    , L0001602    ,

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, L0001608    , L0001609    , L0001610    ,

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, L0001616    , L0001617    , L0001618    ,

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, L0001624    , L0001625    , L0001626    ,

             L0001627    , L0001628    , L0001629    , L0001630    , L0001631
, L0001632    , L0001633    , L0001634    ,

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, L0001640    , L0001641    , L0001642    ,

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, L0001656    , L0001657    , L0001658    ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                            SOURCE IDs
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, L0001680    , L0001681    , L0001682    ,

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, L0001696    , L0001697    , L0001698    ,

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, L0001704    , L0001705    , L0001706    ,

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, L0001720    , L0001721    , L0001722    ,

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, L0001728    , L0001729    , L0001730    ,

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, L0001736    , L0001737    , L0001738    ,

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, L0001744    , L0001745    , L0001746    ,

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, L0001816    , L0001817    , L0001818    ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                            SOURCE IDs
 -----------                                            ----------


            L0001819    , L0001820    , L0001821    , L0001822    , L0001823
, L0001824    , L0001825    , L0001826    ,

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, L0001832    , L0001833    , L0001834    ,

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, L0001840    , L0001841    , L0001842    ,

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, L0001848    , L0001849    , L0001850    ,

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, L0001864    , L0001865    , L0001866    ,

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, L0001872    , L0001873    , L0001874    ,

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, L0001433    , L0001434    , L0001435    ,

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, L0001441    , L0001442    , L0001443    ,

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, L0001473    , L0001474    , L0001475    ,
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, L0001489    , L0001490    , L0001491    ,

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, L0001497    , L0001498    , L0001499    ,

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, L0001505    , L0001506    , L0001507    ,

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, L0001513    , L0001514    , L0001515    ,

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, L0001521    , L0001522    , L0001523    ,

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, L0001529    , L0001530    , L0001531    ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                            SOURCE IDs
 -----------                                            ----------


            L0001532    , L0001533    , L0001534    , L0001535    , L0001536
, L0001537    , L0001538    , L0001539    ,

            L0001540    , L0001541    , L0001542    , L0001543    , L0001544
, L0001545    , L0001546    , L0001547    ,

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, L0001561    , L0001562    , L0001563    ,

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, L0001569    , L0001570    , L0001571    ,

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, L0001577    , L0001578    , L0001579    ,

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, L0001585    , L0001586    , L0001587    ,

            L0001588    , L0001589    ,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                        *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                    (METERS)

       504118.9,  504368.9,  504618.9,  504868.9,  505118.9,  505368.9,
505618.9,  505868.9,  506118.9,  506368.9,
       506618.9,  506868.9,  507118.9,  507368.9,  507618.9,  507868.9,
508118.9,  508368.9,  508618.9,  508868.9,
       509118.9,  509368.9,  509618.9,  509868.9,  510118.9,  510368.9,
510618.9,  510868.9,  511118.9,

                                          *** Y-COORDINATES OF GRID ***
                                                    (METERS)

      3601097.5, 3601347.5, 3601597.5, 3601847.5, 3602097.5, 3602347.5,
3602597.5, 3602847.5, 3603097.5, 3603347.5,
      3603597.5, 3603847.5, 3604097.5, 3604347.5, 3604597.5, 3604847.5,
3605097.5, 3605347.5, 3605597.5, 3605847.5,
      3606097.5,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                                  * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |         69.00        79.80        98.30       130.30       120.80
159.30       164.70       155.80        94.80
  3605847.54 |        104.60       119.20       124.40       150.00       159.30
162.60       164.70       170.00       138.40
  3605597.54 |         93.00       113.30       145.70       162.30       167.00
169.30       171.50       176.00       178.70
  3605347.54 |        156.70       134.60       108.50       106.50       158.50
169.60       173.40       178.50       179.50
  3605097.54 |        161.40       163.40       162.60       131.40       119.60
136.60       172.80       177.20       179.60
  3604847.54 |        161.20       161.80       154.10       152.50       171.90
134.30       130.20       169.90       174.20
  3604597.54 |        159.40       159.80       162.80       172.50       184.50
158.40       163.60       133.20       156.80
  3604347.54 |        157.80       156.80       160.60       166.80       175.50
181.90       186.00       181.20       142.50
  3604097.54 |        154.20       163.90       161.80       164.10       168.90
174.60       188.80       187.80       167.80
  3603847.54 |        152.60       159.20       171.70       170.90       179.10
186.10       184.50       176.20       179.00
  3603597.54 |        152.80       155.00       165.50       169.20       167.40
174.40       171.70       169.50       174.40
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  3603347.54 |        149.70       155.20       160.90       161.60       163.60
166.00       168.80       171.70       181.10
  3603097.54 |        149.30       151.70       153.50       167.20       162.20
161.50       172.20       171.40       182.20
  3602847.54 |        148.80       151.90       160.80       159.60       159.90
161.10       172.30       173.30       182.90
  3602597.54 |        148.80       151.10       158.40       160.20       162.30
165.50       173.30       174.90       184.00
  3602347.54 |        148.50       150.50       152.20       153.30       160.60
169.30       174.60       178.00       181.10
  3602097.54 |        147.30       149.50       153.00       154.80       161.20
164.00       168.20       174.50       170.40
  3601847.54 |        147.30       149.30       149.80       152.90       159.90
161.30       164.70       164.70       165.40
  3601597.54 |        146.50       148.80       149.70       152.60       154.20
157.10       156.90       158.60       161.60
  3601347.54 |        147.70       148.80       150.10       151.00       154.30
154.50       154.70       156.60       155.90
  3601097.54 |        149.00       149.60       151.50       156.40       155.70
156.90       155.80       158.70       157.20

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                                  * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |        131.30       159.70       164.00       208.90       212.60
224.70       253.90       253.30       288.20
  3605847.54 |         96.80       136.50       172.10       186.80       219.00
227.70       238.20       223.60       252.40
  3605597.54 |        148.80       108.80       136.30       171.20       216.50
228.60       241.10       206.50       201.40
  3605347.54 |        180.80       179.60       129.10       118.90       137.60
166.20       184.80       189.90       247.30
  3605097.54 |        180.70       183.30       187.60       189.10       176.40
184.40       199.50       232.70       298.90
  3604847.54 |        181.50       184.90       189.80       195.10       201.10
210.10       226.30       229.00       259.80
  3604597.54 |        172.60       184.70       189.40       193.70       199.80
209.30       213.20       237.50       271.10
  3604347.54 |        168.90       169.30       169.50       184.20       196.90
200.00       203.30       206.10       231.50
  3604097.54 |        147.90       168.00       181.70       189.00       184.00
190.20       202.30       202.70       207.00
  3603847.54 |        176.30       160.10       170.00       167.50       183.20
191.30       198.50       195.40       202.50
  3603597.54 |        187.00       185.20       184.20       188.90       185.40
190.10       198.80       192.70       196.20
  3603347.54 |        186.00       189.90       184.30       191.10       197.70
187.20       189.80       180.70       196.90
  3603097.54 |        187.90       190.20       189.30       188.00       186.50
181.40       179.00       176.70       187.40
  3602847.54 |        189.70       193.10       187.70       186.00       180.10
169.90       172.30       175.10       174.90
  3602597.54 |        190.90       179.80       183.00       183.50       170.90
166.80       169.80       165.80       173.40
  3602347.54 |        175.70       175.40       174.70       172.30       167.60
160.80       160.70       159.90       165.50
  3602097.54 |        168.10       163.90       166.70       161.00       160.00
156.90       156.40       155.10       156.50
  3601847.54 |        163.50       161.20       163.30       155.90       153.60
152.80       154.40       150.70       153.80
  3601597.54 |        159.10       158.30       157.20       152.80       151.00
150.50       151.50       152.10       148.20
  3601347.54 |        155.30       155.60       154.40       154.80       153.40
148.70       152.60       149.30       150.00
  3601097.54 |        155.90       155.10       155.50       155.50       153.20
149.70       148.20       150.90       152.90

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                                  * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |        311.70       294.70       350.30       279.00       350.50
442.70       493.00       495.50       563.30
  3605847.54 |        255.70       243.80       304.50       236.00       316.60
354.20       426.20       433.10       484.80
  3605597.54 |        213.10       234.30       242.60       241.80       253.30
272.20       361.90       458.70       469.70
  3605347.54 |        256.60       231.60       236.10       237.00       237.70
293.60       329.60       393.40       377.90
  3605097.54 |        322.90       284.90       310.10       350.80       292.00
251.00       308.30       333.20       398.20
  3604847.54 |        330.50       390.80       393.10       414.70       361.80
327.90       294.50       302.00       328.90
  3604597.54 |        311.10       346.90       390.20       367.20       400.50
414.80       353.10       326.90       297.10
  3604347.54 |        249.10       279.40       292.70       287.20       359.90
411.30       465.50       432.00       392.60
  3604097.54 |        211.50       228.10       248.10       279.40       311.90
420.70       468.30       450.80       482.20
  3603847.54 |        215.80       231.20       239.30       251.10       297.90
358.90       390.80       373.50       455.80
  3603597.54 |        231.90       267.40       300.00       279.60       275.00
281.30       297.70       296.30       351.10
  3603347.54 |        205.10       248.80       295.70       264.20       234.30
264.70       240.00       256.70       305.80
  3603097.54 |        204.40       205.00       254.90       216.90       207.70
226.40       224.90       270.50       322.20
  3602847.54 |        172.40       181.00       216.00       182.90       187.70
214.30       205.80       228.30       322.00
  3602597.54 |        163.30       168.40       185.10       171.60       184.00
194.60       202.20       240.60       315.40
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  3602347.54 |        165.00       162.90       168.40       173.30       181.70
174.70       187.80       210.30       233.10
  3602097.54 |        154.50       157.00       156.80       171.10       176.20
176.90       224.60       228.30       186.00
  3601847.54 |        147.60       150.00       161.90       166.30       170.00
164.60       181.60       222.10       179.50
  3601597.54 |        146.00       156.70       159.00       161.80       159.60
162.00       165.50       185.90       167.40
  3601347.54 |        143.40       156.20       156.50       159.90       144.40
160.50       165.20       164.50       140.80
  3601097.54 |        144.70       150.70       153.80       156.30       146.10
156.30       161.00       124.30       163.10

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                            * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |        599.00       657.10
  3605847.54 |        536.70       601.50
  3605597.54 |        487.70       523.10
  3605347.54 |        396.50       456.90
  3605097.54 |        437.90       449.30
  3604847.54 |        387.60       355.30
  3604597.54 |        305.90       393.40
  3604347.54 |        446.60       494.30
  3604097.54 |        524.20       551.00
  3603847.54 |        474.30       459.40
  3603597.54 |        375.60       429.10
  3603347.54 |        431.60       450.10
  3603097.54 |        380.60       428.70
  3602847.54 |        387.80       354.60
  3602597.54 |        327.00       301.00
  3602347.54 |        253.10       240.00
  3602097.54 |        194.50       202.70
  3601847.54 |        174.20       177.70
  3601597.54 |        183.60       162.40
  3601347.54 |        156.90       173.10
  3601097.54 |        135.80       166.80

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |        164.40       166.30       521.90       160.70       523.90
523.90       523.90       678.30       714.70
  3605847.54 |        158.20       159.10       164.40       161.60       162.50
523.00       523.90       523.90       678.80
  3605597.54 |        164.10       164.10       160.20       162.30       167.00
169.30       523.90       523.90       678.30
  3605347.54 |        156.70       164.10       171.20       183.80       167.10
169.60       173.40       523.90       523.90
  3605097.54 |        161.40       163.40       162.60       183.00       186.20
521.90       172.80       523.00       523.90
  3604847.54 |        161.20       161.80       161.40       180.90       171.90
188.00       523.90       175.30       523.90
  3604597.54 |        159.40       159.80       162.80       172.50       184.50
186.70       170.90       678.30       678.30
  3604347.54 |        157.80       156.80       160.60       166.80       175.50
181.90       186.00       181.20       678.30
  3604097.54 |        154.20       163.90       161.80       164.10       168.90
174.60       188.80       187.80       181.50
  3603847.54 |        152.60       159.20       171.70       170.90       179.10
186.10       184.50       176.20       179.00
  3603597.54 |        152.80       161.10       165.50       169.20       167.40
174.40       171.70       169.50       174.40
  3603347.54 |        149.70       155.20       160.90       161.60       179.90
166.00       170.90       171.70       181.10
  3603097.54 |        149.30       151.70       153.50       167.20       179.90
161.50       172.20       171.40       182.20
  3602847.54 |        148.80       151.90       160.80       159.60       174.00
175.30       172.30       173.30       182.90
  3602597.54 |        148.80       151.10       158.40       160.20       167.30
165.50       173.30       185.30       184.00
  3602347.54 |        148.50       150.50       152.20       153.30       160.60
169.30       174.60       178.00       181.10
  3602097.54 |        147.30       149.50       153.00       154.80       161.20
164.00       177.90       174.50       177.30
  3601847.54 |        147.30       149.30       149.80       152.90       160.60
161.30       164.70       164.70       165.40
  3601597.54 |        146.50       148.80       149.70       152.60       154.20
157.10       156.90       158.60       161.60
  3601347.54 |        147.70       148.80       150.10       153.40       154.30
154.50       154.70       156.60       155.90
  3601097.54 |        149.00       149.60       151.50       156.40       155.70
156.90       155.80       168.20       157.20

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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  3606097.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3605847.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3605597.54 |        713.60       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3605347.54 |        678.30       678.80       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3605097.54 |        678.30       678.80       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3604847.54 |        678.30       678.80       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3604597.54 |        678.30       678.30       702.80       714.70       714.70
714.70       714.70       714.70       714.70
  3604347.54 |        678.30       678.80       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3604097.54 |        678.30       678.30       678.80       714.70       714.70
714.70       714.70       714.70       714.70
  3603847.54 |        183.00       678.30       678.80       714.70       714.70
714.70       714.70       714.70       714.70
  3603597.54 |        187.00       185.20       678.30       678.80       714.70
714.70       714.70       714.70       714.70
  3603347.54 |        186.00       191.90       184.30       678.30       678.80
714.70       714.70       714.70       714.70
  3603097.54 |        187.90       190.20       189.30       188.00       678.30
714.70       714.70       714.70       714.70
  3602847.54 |        189.70       193.10       187.70       186.00       678.30
714.70       714.70       714.70       714.70
  3602597.54 |        190.90       179.80       183.00       183.50       677.20
714.70       714.70       714.70       714.70
  3602347.54 |        180.20       175.40       174.70       172.30       677.20
678.30       714.70       714.70       714.70
  3602097.54 |        168.10       174.20       166.70       675.80       677.20
677.20       714.70       714.70       714.70
  3601847.54 |        163.50       161.20       163.30       155.90       677.20
677.20       677.20       714.70       714.70
  3601597.54 |        159.10       158.30       165.20       152.80       677.20
677.20       677.20       677.20       714.70
  3601347.54 |        155.30       155.60       154.40       154.80       675.90
677.20       677.20       677.20       677.20
  3601097.54 |        155.90       155.10       155.50       155.50       153.20
677.20       677.20       677.20       677.20

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                                * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3605847.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
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  3605597.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3605347.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3605097.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3604847.54 |        714.70       678.80       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3604597.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3604347.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3604097.54 |        714.70       714.70       714.70       714.70       714.70
714.70       677.20       714.70       714.70
  3603847.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3603597.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3603347.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3603097.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3602847.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3602597.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3602347.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3602097.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3601847.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3601597.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3601347.54 |        714.70       714.70       714.70       714.70       714.70
714.70       714.70       714.70       714.70
  3601097.54 |        677.20       713.60       714.70       714.70       714.70
714.70       714.70       714.70       714.70

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                                * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |        702.80       678.30
  3605847.54 |        714.70       714.70
  3605597.54 |        714.70       714.70
  3605347.54 |        714.70       714.70
  3605097.54 |        714.70       714.70
  3604847.54 |        714.70       714.70
  3604597.54 |        714.70       714.70
  3604347.54 |        714.70       714.70
  3604097.54 |        677.20       677.20
  3603847.54 |        714.70       714.70
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  3603597.54 |        714.70       714.70
  3603347.54 |        714.70       714.70
  3603097.54 |        714.70       714.70
  3602847.54 |        714.70       714.70
  3602597.54 |        714.70       714.70
  3602347.54 |        714.70       714.70
  3602097.54 |        714.70       714.70
  3601847.54 |        714.70       714.70
  3601597.54 |        714.70       714.70
  3601347.54 |        714.70       714.70
  3601097.54 |        714.70       714.70

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL,
ZFLAG)
                                                              (METERS)

     ( 508226.8, 3603955.6,     202.7,     714.7,       0.0);         ( 507708.7,
3603932.3,     193.9,     714.7,       0.0);
     ( 506203.6, 3603369.2,     182.0,     182.0,       0.0);         ( 507919.9,
3604794.5,     229.9,     714.7,       0.0);
     ( 507037.9, 3604916.1,     194.1,     714.7,       0.0);

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                     * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY
NOT BE PERFORMED *
                       LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                                ID            XR (METERS)   YR (METERS)
(METERS)
                           - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - -

                            L0001838            507118.9     3603347.5
0.11
                            L0001867            506868.9     3603347.5
-2.37
                            L0001868            506868.9     3603347.5
-2.65

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1
1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1
1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1
1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1
1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1
1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1
1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1
1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.


                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND
SPEED CATEGORIES ***
                                                              (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,
10.80,

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                    *** UP TO THE FIRST 24 HOURS OF
METEOROLOGICAL DATA ***

   Surface file:   ..\..\MetData\DVN_2015_2017_v18081.SFC
Met Version:  18081
   Profile file:   ..\..\MetData\DVN_2015_2017_v18081.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:     3178                 Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2015                                    Year:   2015

 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
 15 01 01   1 01   -2.5  0.069 -9.000 -9.000 -999.   43.     11.5  0.03   1.08
1.00    1.00  126.   10.0  276.8   10.0
 15 01 01   1 02   -2.5  0.069 -9.000 -9.000 -999.   43.     11.5  0.03   1.08
1.00    1.00  124.   10.0  276.1   10.0
 15 01 01   1 03   -1.1  0.057 -9.000 -9.000 -999.   33.     15.8  0.03   1.08
1.00    0.50  186.   10.0  276.2   10.0
 15 01 01   1 04   -1.6  0.064 -9.000 -9.000 -999.   39.     15.2  0.07   1.08
1.00    0.60  164.   10.0  275.8   10.0
 15 01 01   1 05   -4.3  0.087 -9.000 -9.000 -999.   62.     13.6  0.05   1.08
1.00    1.30  100.   10.0  275.6   10.0
```

```
 15 01 01   1 06   -6.7  0.106 -9.000 -9.000 -999.   83.     16.0  0.03   1.08
1.00    1.70  131.   10.0  274.9   10.0
 15 01 01   1 07   -2.2  0.066 -9.000 -9.000 -999.   41.     11.6  0.03   1.08
1.00    0.90  120.   10.0  275.5   10.0
 15 01 01   1 08  -32.5  0.509 -9.000 -9.000 -999.  871.    360.0  0.10   1.08
0.48    5.96  133.   10.0  276.5   10.0
 15 01 01   1 09   35.2  0.073  0.422  0.005   76.  498.     -1.0  0.03   1.08
0.28    0.60  149.   10.0  278.9   10.0
 15 01 01   1 10   86.5  0.270  0.868  0.005  269.  339.    -20.1  0.07   1.08
0.22    2.80  151.   10.0  281.9   10.0
 15 01 01   1 11  121.4  0.336  1.427  0.005  852.  467.    -27.8  0.07   1.08
0.20    3.60  156.   10.0  283.8   10.0
 15 01 01   1 12  138.0  0.206  1.624  0.005 1105.  234.     -5.6  0.03   1.08
0.19    2.20  209.   10.0  285.1   10.0
 15 01 01   1 13  135.4  0.204  1.665  0.005 1213.  222.     -5.6  0.03   1.08
0.19    2.20  312.   10.0  285.9   10.0
 15 01 01   1 14  113.9  0.201  1.608  0.005 1297.  216.     -6.3  0.02   1.08
0.20    2.50  299.   10.0  286.5   10.0
 15 01 01   1 15   74.3  0.277  1.426  0.005 1388.  350.    -25.4  0.02   1.08
0.23    3.90  280.   10.0  286.5   10.0
 15 01 01   1 16   19.8  0.333  0.921  0.005 1400.  461.   -165.1  0.02   1.08
0.32    5.10  280.   10.0  285.9   10.0
 15 01 01   1 17  -20.7  0.234 -9.000 -9.000 -999.  276.     60.2  0.02   1.08
0.60    3.90  288.   10.0  284.5   10.0
 15 01 01   1 18   -3.1  0.078 -9.000 -9.000 -999.   82.     13.4  0.08   1.08
1.00    1.00  335.   10.0  283.0   10.0
 15 01 01   1 19  -20.0  0.203 -9.000 -9.000 -999.  219.     45.3  0.14   1.08
1.00    2.30   30.   10.0  282.0   10.0
 15 01 01   1 20  -18.9  0.193 -9.000 -9.000 -999.  204.     41.0  0.11   1.08
1.00    2.30   15.   10.0  282.0   10.0
 15 01 01   1 21  -15.4  0.175 -9.000 -9.000 -999.  175.     33.6  0.14   1.08
1.00    2.00   53.   10.0  281.5   10.0
 15 01 01   1 22  -12.3  0.156 -9.000 -9.000 -999.  148.     27.3  0.14   1.08
1.00    1.80   54.   10.0  281.5   10.0
 15 01 01   1 23   -2.7  0.072 -9.000 -9.000 -999.   49.     12.2  0.05   1.08
1.00    1.00  113.   10.0  280.5   10.0
 15 01 01   1 24   -1.0  0.057 -9.000 -9.000 -999.   32.     15.6  0.03   1.08
1.00    0.50  140.   10.0  280.1   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 15 01 01 01   10.0 1  126.    1.00   276.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1      ***
                                  INCLUDING SOURCE(S):     AS1         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
```

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26977      0.30430      0.34486      0.39806      0.42751
0.50169      0.53737      0.53290      0.48443
  3605847.54 |       0.26511      0.30389      0.34626      0.41612      0.48275
0.54260      0.59579      0.64849      0.60872
  3605597.54 |       0.25281      0.28773      0.34639      0.41582      0.48513
0.56230      0.64644      0.73685      0.81142
  3605347.54 |       0.28577      0.29387      0.31113      0.34904      0.44531
0.53798      0.64012      0.76852      0.89220
  3605097.54 |       0.28770      0.31909      0.35164      0.35645      0.39211
0.45977      0.60193      0.72841      0.88835
  3604847.54 |       0.27551      0.30644      0.33276      0.37069      0.44868
0.45047      0.51178      0.66811      0.80999
  3604597.54 |       0.25780      0.28581      0.32220      0.37603      0.44772
0.46248      0.54454      0.58391      0.72826
  3604347.54 |       0.24345      0.26724      0.30016      0.34315      0.40073
0.46974      0.55322      0.63615      0.65630
  3604097.54 |       0.22757      0.25831      0.28348      0.31820      0.36375
0.42200      0.51413      0.59672      0.64029
  3603847.54 |       0.21052      0.23544      0.27110      0.29995      0.34627
0.40191      0.45614      0.50694      0.60047
  3603597.54 |       0.19562      0.21486      0.24422      0.27333      0.30185
0.34783      0.38907      0.44029      0.52087
  3603347.54 |       0.18438      0.20420      0.22776      0.25134      0.28043
0.31577      0.35934      0.41357      0.49738
  3603097.54 |       0.17717      0.19372      0.21249      0.24427      0.26510
0.29443      0.34539      0.39213      0.47578
  3602847.54 |       0.16997      0.18616      0.20917      0.22915      0.25422
0.28530      0.33624      0.38603      0.46785
  3602597.54 |       0.16566      0.18163      0.20350      0.22552      0.25206
0.28574      0.33398      0.38458      0.45497
  3602347.54 |       0.16346      0.17896      0.19703      0.21837      0.24930
0.28807      0.32751      0.36394      0.39818
  3602097.54 |       0.16128      0.17740      0.19726      0.21879      0.24508
0.26788      0.29031      0.31690      0.34088
  3601847.54 |       0.16151      0.17710      0.19235      0.20819      0.22540
0.23868      0.25717      0.28089      0.31593
  3601597.54 |       0.15903      0.17043      0.17993      0.18980      0.20028
0.21565      0.23518      0.26324      0.30090
  3601347.54 |       0.15071      0.15733      0.16435      0.17320      0.18693
0.20365      0.22520      0.25352      0.28657
  3601097.54 |       0.13912      0.14498      0.15351      0.16644      0.18033
0.19867      0.21963      0.24821      0.27870

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1      ***
                                  INCLUDING SOURCE(S):     AS1         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
```

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.49318      0.51651      0.49177      0.50146      0.38015
0.31047      0.12538      0.11051      0.04243
  3605847.54 |       0.58525      0.59587      0.64225      0.62812      0.47001
0.35690      0.25913      0.28781      0.10168
  3605597.54 |       0.75984      0.72865      0.73138      0.77097      0.72137
0.44090      0.28993      0.56836      0.54537
  3605347.54 |       1.00573      1.07227      0.94377      0.91376      0.87140
0.76836      0.71753      0.69354      0.16285
  3605097.54 |       1.07564      1.27743      1.45778      1.52054      1.36073
1.28138      1.09332      0.52902      0.07786
  3604847.54 |       1.03135      1.32149      1.70130      2.08203      2.31079
2.28034      1.32943      0.85379      0.16938
  3604597.54 |       0.93064      1.22744      1.63439      2.26634      3.10588
3.70493      3.51576      0.82733      0.20859
  3604347.54 |       0.86594      1.07322      1.36168      1.94937      3.04234
4.77963      6.69359      6.40707      1.37942
  3604097.54 |       0.72035      0.94638      1.29443      1.81056      2.45548
3.93252      7.87392     16.41921     15.04975
  3603847.54 |       0.70368      0.79538      1.03085      1.32162      1.95490
3.07615      5.61222     11.80244     66.68122
  3603597.54 |       0.65291      0.77732      0.95034      1.24482      1.61214
2.38042      4.18100      7.43090     21.37385
  3603347.54 |       0.59715      0.72997      0.87069      1.15896      1.62720
2.08250      2.93779      4.72509      9.60244
  3603097.54 |       0.57585      0.70300      0.86620      1.06777      1.27996
1.58024      2.28957      3.34669      4.83647
  3602847.54 |       0.56909      0.68073      0.76410      0.87228      1.04957
1.33970      1.82802      2.42183      2.89695
  3602597.54 |       0.52240      0.55108      0.63696      0.77589      0.93151
1.16666      1.47123      1.74378      2.05705
  3602347.54 |       0.42576      0.48290      0.57208      0.69559      0.83938
0.97689      1.16613      1.32926      1.50498
  3602097.54 |       0.38185      0.43785      0.52839      0.61976      0.72305
0.83119      0.95527      1.05285      1.15084
  3601847.54 |       0.36003      0.41709      0.49426      0.55492      0.62559
0.71344      0.79903      0.85811      0.93070
  3601597.54 |       0.34273      0.39519      0.44938      0.49555      0.55367
0.61927      0.67577      0.72766      0.76415
  3601347.54 |       0.32620      0.36927      0.40821      0.45188      0.50127
0.54104      0.58706      0.61902      0.65439
  3601097.54 |       0.31140      0.34278      0.37501      0.41296      0.45101
0.47990      0.50696      0.54145      0.57132

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1      ***
                                  INCLUDING SOURCE(S):     AS1         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
```

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03175      0.03352      0.01980      0.03489      0.01874
0.01222      0.01092      0.01047      0.00895
  3605847.54 |       0.08536      0.12226      0.02942      0.13294      0.02503
0.01932      0.01364      0.01232      0.01031
  3605597.54 |       0.39620      0.19784      0.12778      0.12810      0.08654
0.04705      0.01801      0.01232      0.01094
  3605347.54 |       0.10224      0.25523      0.18875      0.18319      0.19580
0.03152      0.02056      0.01465      0.01464
  3605097.54 |       0.06003      0.06375      0.04903      0.03391      0.04076
0.08479      0.02449      0.02051      0.01501
  3604847.54 |       0.07629      0.04615      0.03847      0.03160      0.02915
0.02818      0.03510      0.03078      0.02286
  3604597.54 |       0.12137      0.07845      0.05146      0.04074      0.03151
0.02605      0.02862      0.03008      0.03628
  3604347.54 |       0.39663      0.20475      0.09843      0.08786      0.04724
0.03725      0.02913      0.02686      0.02697
  3604097.54 |       9.94044      1.35990      0.36294      0.16211      0.10008
0.05439      0.04222      0.03814      0.03150
  3603847.54 |      44.36118      4.69710      1.79022      0.78923      0.26416
0.13415      0.09214      0.07922      0.05146
  3603597.54 |      10.55781      2.71032      1.48444      1.05665      0.71553
0.47059      0.29711      0.23108      0.12573
  3603347.54 |      12.77778      1.71221      0.55571      0.85771      1.65802
0.62160      0.94688      0.49254      0.21328
  3603097.54 |       6.40597      5.35366      0.79844      2.51348      2.03553
1.33839      1.18191      0.36123      0.19578
  3602847.54 |       3.18953      3.03553      3.09962      2.03242      1.58518
1.28264      1.13514      0.81539      0.16449
  3602597.54 |       2.15265      2.07322      2.01916      1.63410      1.38684
1.16813      0.98759      0.53724      0.12495
  3602347.54 |       1.62130      1.55496      1.45554      1.35467      1.22157
0.96947      0.85617      0.76712      0.52381
  3602097.54 |       1.22332      1.21160      1.13106      1.09921      1.03849
0.89595      0.75415      0.62024      0.58469
  3601847.54 |       0.97028      0.97006      0.95612      0.90836      0.86006
0.77071      0.71686      0.61659      0.53338
  3601597.54 |       0.80173      0.82954      0.79904      0.76604      0.70827
0.67729      0.62007      0.58862      0.48206
  3601347.54 |       0.67424      0.70558      0.68025      0.65888      0.59098
0.58890      0.56668      0.50748      0.42074
  3601097.54 |       0.58262      0.59872      0.58694      0.56841      0.52680
0.51259      0.50041      0.42505      0.42377

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1      ***
                                  INCLUDING SOURCE(S):     AS1         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
```

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - 

  3606097.54 |       0.00807      0.00719
  3605847.54 |       0.00881      0.00788
  3605597.54 |       0.01007      0.00916
  3605347.54 |       0.01291      0.01031
  3605097.54 |       0.01273      0.01224
  3604847.54 |       0.01763      0.01835
  3604597.54 |       0.03213      0.01845
  3604347.54 |       0.02208      0.01922
  3604097.54 |       0.02618      0.02268
  3603847.54 |       0.04199      0.03771
  3603597.54 |       0.09127      0.06351
  3603347.54 |       0.10480      0.08370
  3603097.54 |       0.13144      0.09946
  3602847.54 |       0.11526      0.12119
  3602597.54 |       0.11777      0.14510
  3602347.54 |       0.29533      0.37812
  3602097.54 |       0.52747      0.47627
  3601847.54 |       0.46441      0.42048
  3601597.54 |       0.45172      0.37832
  3601347.54 |       0.39251      0.37145
  3601097.54 |       0.35337      0.34781

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1      ***
                                  INCLUDING SOURCE(S):     AS1         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                           X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       28.40157                         507708.67
3603932.32        4.18022
         506203.59    3603369.23        0.52922                         507919.87
3604794.52        1.17943
         507037.89    3604916.08        1.88011

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2      ***
                                  INCLUDING SOURCE(S):     AS2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                       X-COORD (METERS)
   (METERS)  |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - 

  3606097.54 |       0.26483      0.29842      0.33822      0.39046      0.42298
0.49520      0.53292      0.53398      0.49534
  3605847.54 |       0.26008      0.29679      0.33737      0.40313      0.46775
0.52853      0.58484      0.64068      0.61341
  3605597.54 |       0.24966      0.28262      0.33683      0.40148      0.46677
0.54060      0.62373      0.71659      0.79680
  3605347.54 |       0.27931      0.28842      0.30640      0.34279      0.43070
0.51652      0.61199      0.73443      0.85863
  3605097.54 |       0.27967      0.31012      0.34188      0.34912      0.38476
0.44847      0.57815      0.69423      0.84223
  3604847.54 |       0.26737      0.29686      0.32238      0.35908      0.43296
0.43891      0.49932      0.64265      0.77311
  3604597.54 |       0.25070      0.27740      0.31190      0.36272      0.43095
0.44496      0.52226      0.56499      0.69996
  3604347.54 |       0.23673      0.25956      0.29092      0.33167      0.38611
0.45125      0.52957      0.60559      0.62969
  3604097.54 |       0.22096      0.25014      0.27416      0.30709      0.35008
0.40487      0.49230      0.56884      0.60941
  3603847.54 |       0.20451      0.22817      0.26197      0.28922      0.33302
0.38569      0.43597      0.48262      0.56882
  3603597.54 |       0.19070      0.20914      0.23706      0.26474      0.29179
0.33519      0.37394      0.42204      0.49682
  3603347.54 |       0.17991      0.19883      0.22125      0.24367      0.27125
0.30464      0.34569      0.39662      0.47504
  3603097.54 |       0.17270      0.18857      0.20656      0.23681      0.25683
0.28495      0.33323      0.37764      0.45672
  3602847.54 |       0.16595      0.18160      0.20370      0.22296      0.24708
0.27696      0.32556      0.37319      0.45039
  3602597.54 |       0.16207      0.17751      0.19856      0.21991      0.24566
0.27806      0.32360      0.37023      0.43518
  3602347.54 |       0.16016      0.17535      0.19301      0.21362      0.24280
0.27882      0.31531      0.34971      0.38336
  3602097.54 |       0.15849      0.17402      0.19277      0.21282      0.23726
0.25883      0.28079      0.30717      0.33020
  3601847.54 |       0.15821      0.17278      0.18703      0.20208      0.21884
0.23222      0.25042      0.27304      0.30603
  3601597.54 |       0.15504      0.16590      0.17526      0.18520      0.19572
0.21064      0.22922      0.25580      0.29141
  3601347.54 |       0.14709      0.15381      0.16096      0.16973      0.18296
0.19889      0.21940      0.24631      0.27757
  3601097.54 |       0.13645      0.14237      0.15070      0.16314      0.17641
0.19392      0.21392      0.24108      0.26994

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2      ***
                                  INCLUDING SOURCE(S):     AS2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50467      0.52471      0.50495      0.53191      0.45576
0.33003      0.14957      0.12980      0.04548
  3605847.54 |       0.59965      0.61132      0.65242      0.64877      0.53524
0.38773      0.30103      0.32357      0.11906
  3605597.54 |       0.76321      0.74764      0.75382      0.78907      0.80861
0.50753      0.33985      0.58590      0.55463
  3605347.54 |       0.98006      1.06031      0.96865      0.95002      0.91532
0.82317      0.73869      0.70744      0.20155
  3605097.54 |       1.02196      1.22929      1.42943      1.52677      1.39802
1.34332      1.17552      0.64278      0.08494
  3604847.54 |       0.97341      1.23841      1.60509      2.01602      2.33137
2.42096      1.73539      1.02046      0.20155
  3604597.54 |       0.88709      1.15735      1.51907      2.08741      2.93311
3.80090      3.86403      1.18086      0.24088
  3604347.54 |       0.81936      1.01232      1.28207      1.80546      2.75464
4.28408      6.51325      7.10505      2.04439
  3604097.54 |       0.68842      0.89216      1.20092      1.65361      2.21953
3.47675      6.68373     14.10901     19.92453
  3603847.54 |       0.66360      0.75175      0.96322      1.22618      1.76820
2.69789      4.68188      9.11718     36.55812
  3603597.54 |       0.61893      0.73206      0.88857      1.15191      1.47835
2.14473      3.64113      6.12379     15.41319
  3603347.54 |       0.56828      0.69193      0.82084      1.08421      1.50293
1.88213      2.61299      4.08244      7.99050
  3603097.54 |       0.55147      0.67022      0.81718      0.99408      1.18629
1.45516      2.06543      2.99695      4.30618
  3602847.54 |       0.54408      0.64558      0.72128      0.82350      0.98225
1.24136      1.68354      2.21758      2.67110
  3602597.54 |       0.49925      0.52669      0.60776      0.73421      0.87404
1.09213      1.37116      1.63199      1.92291
  3602347.54 |       0.41032      0.46377      0.54583      0.65879      0.79253
0.92486      1.09999      1.25978      1.42542
  3602097.54 |       0.36853      0.42065      0.50451      0.59013      0.68950
0.79103      0.90962      1.00578      1.10095
  3601847.54 |       0.34739      0.40070      0.47298      0.53214      0.60016
0.68219      0.76601      0.82444      0.89504
  3601597.54 |       0.33073      0.38012      0.43232      0.47782      0.53233
0.59517      0.65118      0.70111      0.73859
  3601347.54 |       0.31501      0.35639      0.39474      0.43641      0.48259
0.52245      0.56731      0.59859      0.63387
  3601097.54 |       0.30134      0.33222      0.36364      0.39906      0.43553
0.46488      0.49158      0.52469      0.55434

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2      ***
                                INCLUDING SOURCE(S):     AS2         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03305      0.03488      0.02081      0.03724      0.01933
0.01294      0.01132      0.01085      0.00931
  3605847.54 |       0.10020      0.13949      0.03071      0.15028      0.02615
0.01982      0.01427      0.01293      0.01067
  3605597.54 |       0.56427      0.22667      0.14989      0.14764      0.09847
0.05285      0.01873      0.01282      0.01141
  3605347.54 |       0.12079      0.30007      0.22175      0.21375      0.22480
0.03336      0.02144      0.01532      0.01507
  3605097.54 |       0.06396      0.06884      0.05158      0.03566      0.04362
0.10169      0.02593      0.02123      0.01567
  3604847.54 |       0.08337      0.04950      0.04214      0.03394      0.03120
0.02964      0.03719      0.03270      0.02393
  3604597.54 |       0.13557      0.08595      0.05605      0.04442      0.03366
0.02794      0.03037      0.03194      0.03929
  3604347.54 |       0.47590      0.23184      0.11267      0.09679      0.05173
0.04004      0.03107      0.02897      0.02898
  3604097.54 |      12.59898      2.04882      0.46324      0.19039      0.11431
0.06045      0.04609      0.04143      0.03396
  3603847.54 |     240.04486      8.30262      2.61391      1.04006      0.32557
0.15902      0.10650      0.08963      0.05749
  3603597.54 |      12.29200      2.35555      1.50033      1.15754      0.78959
0.51662      0.32631      0.25393      0.13838
  3603347.54 |      11.45852      1.99871      0.52745      0.83703      1.84715
0.65615      1.07217      0.55007      0.22483
  3603097.54 |       5.89325      5.15122      0.91379      2.70288      2.06452
1.40885      1.24042      0.37709      0.20055
  3602847.54 |       2.99626      2.92208      2.98689      2.04214      1.59441
1.39422      1.14019      0.84861      0.16251
  3602597.54 |       2.04562      2.01502      1.95318      1.61410      1.39211
1.17780      1.00017      0.59340      0.12471
  3602347.54 |       1.54607      1.51617      1.42072      1.31762      1.21421
0.97445      0.86086      0.78445      0.56245
  3602097.54 |       1.17636      1.18419      1.10925      1.07453      1.01671
0.89536      0.79707      0.65641      0.58677
  3601847.54 |       0.93782      0.95009      0.93701      0.89053      0.84057
0.76375      0.71741      0.64351      0.53573
  3601597.54 |       0.77698      0.81034      0.78512      0.75131      0.69673
0.66462      0.61828      0.59001      0.48406
  3601347.54 |       0.65512      0.68946      0.66946      0.64686      0.58397
0.57851      0.55888      0.50780      0.42338
  3601097.54 |       0.56683      0.58604      0.57811      0.55948      0.51957
0.50571      0.49157      0.42482      0.42462

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2      ***
                                INCLUDING SOURCE(S):     AS2         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00833      0.00745
  3605847.54 |       0.00918      0.00817
  3605597.54 |       0.01043      0.00939
  3605347.54 |       0.01334      0.01076
  3605097.54 |       0.01337      0.01274
  3604847.54 |       0.01832      0.01916
  3604597.54 |       0.03416      0.01924
  3604347.54 |       0.02367      0.02032
  3604097.54 |       0.02809      0.02421
  3603847.54 |       0.04642      0.04130
  3603597.54 |       0.10016      0.06978
  3603347.54 |       0.11210      0.08934
  3603097.54 |       0.13546      0.10373
  3602847.54 |       0.11471      0.12247
  3602597.54 |       0.11576      0.14577
  3602347.54 |       0.32642      0.40256
  3602097.54 |       0.53152      0.48155
  3601847.54 |       0.46547      0.42168
  3601597.54 |       0.45412      0.37936
  3601347.54 |       0.39450      0.37298
  3601097.54 |       0.35546      0.34913

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2      ***
                                 INCLUDING SOURCE(S):     AS2         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       20.42576                      507708.67
3603932.32        3.60447
         506203.59    3603369.23        0.50461                      507919.87
3604794.52        1.61997
         507037.89    3604916.08        1.82639

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1     ***
                                 INCLUDING SOURCE(S):     CBP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.27056      0.30679      0.35112      0.41194      0.44907
0.53844      0.58599      0.58858      0.53895
  3605847.54 |       0.26645      0.30530      0.34874      0.42365      0.49854
0.57095      0.63994      0.71088      0.67564
  3605597.54 |       0.25740      0.29159      0.35046      0.42065      0.49246
0.57671      0.67578      0.79069      0.89424
  3605347.54 |       0.29404      0.30205      0.31832      0.35502      0.45286
0.54584      0.65211      0.79511      0.95002
  3605097.54 |       0.29153      0.32542      0.36093      0.36610      0.40281
0.47146      0.61660      0.74233      0.90999
  3604847.54 |       0.27520      0.30664      0.33392      0.37397      0.45719
0.46029      0.52624      0.69332      0.83652
  3604597.54 |       0.25825      0.28590      0.32187      0.37538      0.44658
0.46188      0.54711      0.58831      0.74578
  3604347.54 |       0.24378      0.26759      0.30063      0.34375      0.40131
0.46980      0.55221      0.63445      0.64882
  3604097.54 |       0.22554      0.25612      0.28102      0.31545      0.36073
0.41863      0.50934      0.59161      0.63415
  3603847.54 |       0.20742      0.23189      0.26680      0.29499      0.34002
0.39374      0.44666      0.49641      0.58710
  3603597.54 |       0.19511      0.21441      0.24395      0.27319      0.30187
0.34806      0.38957      0.44095      0.52213
  3603347.54 |       0.18547      0.20543      0.22911      0.25274      0.28196
0.31761      0.36197      0.41795      0.50537
  3603097.54 |       0.17784      0.19455      0.21368      0.24642      0.26844
0.29956      0.35354      0.40359      0.49287
  3602847.54 |       0.17169      0.18879      0.21306      0.23420      0.26053
0.29330      0.34771      0.40181      0.48530
  3602597.54 |       0.16905      0.18558      0.20825      0.23146      0.26009
0.29634      0.34496      0.38836      0.44158
  3602347.54 |       0.16688      0.18335      0.20294      0.22570      0.25653
0.29095      0.32100      0.34804      0.38151
  3602097.54 |       0.16593      0.18292      0.20236      0.22098      0.24178
0.25863      0.27869      0.30889      0.34113
  3601847.54 |       0.16529      0.17884      0.19049      0.20231      0.21703
0.23153      0.25428      0.28299      0.32190
  3601597.54 |       0.15795      0.16646      0.17393      0.18376      0.19648
0.21517      0.23771      0.26805      0.30774
  3601347.54 |       0.14624      0.15236      0.16043      0.17145      0.18752
0.20610      0.22908      0.25881      0.29254
  3601097.54 |       0.13546      0.14267      0.15295      0.16745      0.18255
0.20184      0.22383      0.25309      0.28215

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1     ***
                                  INCLUDING SOURCE(S):     CBP1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.55047      0.57866      0.55703      0.56607      0.40616
0.32764      0.11778      0.10250      0.04297
  3605847.54 |       0.65943      0.67446      0.73319      0.72834      0.52140
0.37518      0.25235      0.29469      0.09744
  3605597.54 |       0.85201      0.83402      0.84274      0.89825      0.83653
0.46625      0.27959      0.64439      0.62641
  3605347.54 |       1.11013      1.22547      1.10212      1.07913      1.04002
0.92428      0.84649      0.81220      0.15329
  3605097.54 |       1.12905      1.40313      1.68791      1.84897      1.67426
1.61244      1.35712      0.52360      0.08604
  3604847.54 |       1.05828      1.36644      1.83721      2.42753      2.91227
2.97659      1.53822      0.89503      0.18042
  3604597.54 |       0.96763      1.28258      1.69661      2.38514      3.56927
4.82988      4.88556      0.85995      0.25105
  3604347.54 |       0.86333      1.07904      1.39202      2.04546      3.21707
5.26048      9.46564     11.32410      1.44087
  3604097.54 |       0.70857      0.93399      1.28035      1.79067      2.43093
3.99323      8.43272     22.73402     53.29386
  3603847.54 |       0.68660      0.76915      0.99636      1.26732      1.88015
2.95063      5.35610     11.41827     62.74962
  3603597.54 |       0.65457      0.78166      0.96069      1.27127      1.67936
2.54987      4.20351      7.23863     15.72461
  3603347.54 |       0.61127      0.75451      0.91377      1.22391      1.62880
1.95259      3.01288      4.48417      7.29789
  3603097.54 |       0.60110      0.73348      0.87241      1.01094      1.23171
1.64242      2.27884      3.02830      3.98999
  3602847.54 |       0.57245      0.65038      0.72158      0.86565      1.08942
1.35395      1.74684      2.17494      2.49161
  3602597.54 |       0.49308      0.53391      0.64267      0.80117      0.94938
1.13532      1.39472      1.57458      1.82238
  3602347.54 |       0.42079      0.49097      0.58953      0.71091      0.82787
0.94442      1.09506      1.21419      1.35778
  3602097.54 |       0.38911      0.45002      0.54045      0.61710      0.70475
0.80186      0.89520      0.97199      1.05162
  3601847.54 |       0.36904      0.42648      0.49570      0.54402      0.61007
0.68471      0.75123      0.79903      0.86038
  3601597.54 |       0.35019      0.39819      0.44340      0.48503      0.53977
0.59227      0.63835      0.68306      0.71232
  3601347.54 |       0.32965      0.36647      0.40058      0.44349      0.48736
0.51714      0.55756      0.58432      0.61502
  3601097.54 |       0.31054      0.33744      0.36858      0.40543      0.43700
0.45946      0.48349      0.51371      0.54046

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1     ***
                                  INCLUDING SOURCE(S):     CBP1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03274      0.03328      0.02066      0.03511      0.01884
0.01297      0.01138      0.01068      0.00900
  3605847.54 |       0.07709      0.11258      0.03119      0.13303      0.02606
0.01954      0.01396      0.01221      0.01026
  3605597.54 |       0.39156      0.18535      0.12086      0.12426      0.08947
0.03857      0.01734      0.01227      0.01127
  3605347.54 |       0.09784      0.23935      0.18547      0.19578      0.15892
0.03001      0.01934      0.01560      0.01497
  3605097.54 |       0.06562      0.07041      0.05140      0.03510      0.03862
0.08476      0.02706      0.02153      0.01583
  3604847.54 |       0.08401      0.05302      0.04316      0.03198      0.03007
0.03115      0.03765      0.03178      0.02475
  3604597.54 |       0.13865      0.08757      0.05304      0.04454      0.03441
0.03086      0.03273      0.03393      0.04098
  3604347.54 |       0.51681      0.19197      0.12227      0.10104      0.05754
0.04209      0.03325      0.03238      0.03305
  3604097.54 |      11.14163      1.94213      0.60852      0.25174      0.14208
0.07145      0.05238      0.04604      0.03715
  3603847.54 |      36.66128      6.91148      2.58982      1.15102      0.41640
0.19870      0.12911      0.10636      0.06672
  3603597.54 |       5.40762      1.18297      0.84729      0.86396      0.66387
0.46375      0.31126      0.24915      0.14565
  3603347.54 |       8.19739      1.22966      0.35334      0.57910      1.24639
0.51017      0.80547      0.44993      0.20709
  3603097.54 |       4.76884      4.03909      0.62732      2.06897      1.72976
1.06138      0.97934      0.30791      0.17596
  3602847.54 |       2.62298      2.50534      2.50479      1.79440      1.42641
1.13756      1.00310      0.67622      0.13540
  3602597.54 |       1.84246      1.76691      1.74071      1.44292      1.26055
1.06770      0.90401      0.46566      0.10790
  3602347.54 |       1.43273      1.35834      1.28410      1.20434      1.11169
0.89871      0.79698      0.68743      0.46909
  3602097.54 |       1.09980      1.07813      1.01162      0.99106      0.94529
0.83059      0.67683      0.55597      0.55182
  3601847.54 |       0.88460      0.87545      0.86792      0.82868      0.78688
0.71484      0.67151      0.56407      0.50636
  3601597.54 |       0.73999      0.75995      0.73261      0.70515      0.65380
0.62789      0.58286      0.55518      0.46004
  3601347.54 |       0.62817      0.65293      0.62886      0.61116      0.54879
0.54845      0.53192      0.48129      0.40022
  3601097.54 |       0.54730      0.55824      0.54644      0.53056      0.49246
0.48041      0.46983      0.40121      0.40440

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1     ***
                                  INCLUDING SOURCE(S):     CBP1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00810      0.00728
  3605847.54 |       0.00894      0.00810
  3605597.54 |       0.01039      0.00902
  3605347.54 |       0.01307      0.01104
  3605097.54 |       0.01417      0.01376
  3604847.54 |       0.01904      0.01934
  3604597.54 |       0.03548      0.02028
  3604347.54 |       0.02601      0.02175
  3604097.54 |       0.03038      0.02599
  3603847.54 |       0.05296      0.04634
  3603597.54 |       0.10717      0.07486
  3603347.54 |       0.10709      0.08714
  3603097.54 |       0.12266      0.09608
  3602847.54 |       0.09799      0.10929
  3602597.54 |       0.09838      0.12435
  3602347.54 |       0.26312      0.32957
  3602097.54 |       0.49902      0.44875
  3601847.54 |       0.44226      0.40223
  3601597.54 |       0.43071      0.36231
  3601347.54 |       0.37658      0.35658
  3601097.54 |       0.33800      0.33510

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1     ***
                                  INCLUDING SOURCE(S):     CBP1        ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       30.11202                       507708.67
3603932.32        3.98706
         506203.59    3603369.23        0.53788                       507919.87
3604794.52        1.30861
         507037.89    3604916.08        2.18240

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP2     ***
                                  INCLUDING SOURCE(S):     CBP2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26299      0.29799      0.34132      0.40137      0.44053
0.53031      0.58129      0.58987      0.54830
  3605847.54 |       0.25946      0.29611      0.33739      0.40883      0.48157
0.55428      0.62633      0.70205      0.67755
  3605597.54 |       0.25220      0.28454      0.33973      0.40540      0.47287
0.55314      0.64998      0.76651      0.87702
  3605347.54 |       0.28685      0.29507      0.31112      0.34597      0.43740
0.52361      0.62233      0.75753      0.90989
  3605097.54 |       0.28286      0.31566      0.35015      0.35619      0.39205
0.45729      0.59268      0.70780      0.86115
  3604847.54 |       0.26657      0.29646      0.32248      0.36079      0.44004
0.44455      0.50839      0.66579      0.79915
  3604597.54 |       0.25071      0.27701      0.31111      0.36171      0.42912
0.44279      0.52258      0.56257      0.71012
  3604347.54 |       0.23668      0.25943      0.29088      0.33181      0.38630
0.45091      0.52817      0.60386      0.61736
  3604097.54 |       0.21875      0.24787      0.27151      0.30411      0.34683
0.40127      0.48684      0.56308      0.60150
  3603847.54 |       0.20139      0.22473      0.25800      0.28470      0.32739
0.37823      0.42766      0.47360      0.55769
  3603597.54 |       0.19002      0.20854      0.23681      0.26471      0.29195
0.33576      0.37485      0.42310      0.49896
  3603347.54 |       0.18088      0.20002      0.22269      0.24524      0.27307
0.30695      0.34900      0.40190      0.48428
  3603097.54 |       0.17350      0.18958      0.20797      0.23938      0.26045
0.29019      0.34151      0.38886      0.47316
  3602847.54 |       0.16772      0.18423      0.20758      0.22787      0.25308
0.28438      0.33617      0.38742      0.46637
  3602597.54 |       0.16526      0.18120      0.20301      0.22530      0.25275
0.28738      0.33371      0.37493      0.42569
  3602347.54 |       0.16318      0.17909      0.19797      0.21986      0.24941
0.28237      0.31118      0.33697      0.36844
  3602097.54 |       0.16231      0.17872      0.19745      0.21538      0.23540
0.25158      0.27066      0.29919      0.32922
  3601847.54 |       0.16172      0.17482      0.18609      0.19751      0.21164
0.22539      0.24691      0.27399      0.31071
  3601597.54 |       0.15467      0.16292      0.17013      0.17954      0.19163
0.20939      0.23080      0.25960      0.29721
  3601347.54 |       0.14336      0.14925      0.15697      0.16748      0.18282
0.20056      0.22247      0.25076      0.28296
  3601097.54 |       0.13284      0.13975      0.14959      0.16352      0.17798
0.19644      0.21743      0.24545      0.27357

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP2     ***
                                  INCLUDING SOURCE(S):     CBP2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.56212      0.58914      0.57521      0.60262      0.44475
0.34343      0.13202      0.11510      0.04526
  3605847.54 |       0.67165      0.69082      0.74874      0.76048      0.59361
0.40033      0.28537      0.32617      0.10561
  3605597.54 |       0.85092      0.84990      0.86713      0.92429      0.94016
0.53058      0.31357      0.66937      0.63843
  3605347.54 |       1.07731      1.21051      1.12213      1.11847      1.09096
1.00403      0.88423      0.84059      0.17409
  3605097.54 |       1.06654      1.33902      1.64738      1.86050      1.73306
1.71153      1.49955      0.62149      0.09296
  3604847.54 |       1.00074      1.27723      1.71361      2.31749      2.91930
3.11847      1.97067      1.04003      0.20654
  3604597.54 |       0.91739      1.20962      1.58273      2.18472      3.27426
4.77881      5.52851      1.17399      0.29648
  3604347.54 |       0.81319      1.00920      1.29274      1.87769      2.91551
4.62332      8.49903     12.86381      2.03864
  3604097.54 |       0.67078      0.87555      1.18548      1.63406      2.18006
3.46646      6.95754     16.91168     77.23282
  3603847.54 |       0.64916      0.72523      0.93085      1.17339      1.70811
2.61344      4.55406      8.96864     34.72602
  3603597.54 |       0.62248      0.73920      0.90256      1.18348      1.54535
2.29745      3.67662      5.93117     12.73401
  3603347.54 |       0.58348      0.71669      0.86205      1.14408      1.50935
1.78113      2.66355      3.92616      6.45969
  3603097.54 |       0.57484      0.69798      0.82584      0.95179      1.14548
1.50267      2.07412      2.75749      3.65790
  3602847.54 |       0.54874      0.62212      0.68618      0.81522      1.01516
1.25942      1.61836      2.02784      2.33282
  3602597.54 |       0.47457      0.51084      0.61061      0.75559      0.89337
1.06838      1.30992      1.48974      1.72506
  3602347.54 |       0.40453      0.46955      0.56080      0.67453      0.78648
0.89499      1.04175      1.15873      1.29657
  3602097.54 |       0.37407      0.43095      0.51624      0.59032      0.67322
0.76520      0.85857      0.93332      1.01083
  3601847.54 |       0.35507      0.40951      0.47622      0.52305      0.58494
0.65799      0.72415      0.77092      0.83050
  3601597.54 |       0.33760      0.38399      0.42806      0.46744      0.51962
0.57226      0.61757      0.66120      0.69011
  3601347.54 |       0.31886      0.35489      0.38769      0.42810      0.47106
0.50162      0.54071      0.56741      0.59721
  3601097.54 |       0.30142      0.32763      0.35710      0.39232      0.42403
0.44683      0.47001      0.50000      0.52577

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP2     ***
                                  INCLUDING SOURCE(S):     CBP2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03420      0.03544      0.02125      0.03680      0.01966
0.01316      0.01163      0.01095      0.00919
  3605847.54 |       0.08652      0.12612      0.03207      0.14235      0.02665
0.02039      0.01438      0.01258      0.01051
  3605597.54 |       0.43738      0.20829      0.13248      0.13522      0.09675
0.04164      0.01804      0.01262      0.01154
  3605347.54 |       0.10760      0.27054      0.20287      0.20952      0.18270
0.03169      0.02002      0.01602      0.01541
  3605097.54 |       0.07080      0.07430      0.05478      0.03731      0.04131
0.09265      0.02815      0.02243      0.01637
  3604847.54 |       0.09413      0.05731      0.04601      0.03410      0.03151
0.03269      0.03968      0.03327      0.02572
  3604597.54 |       0.16107      0.09681      0.05834      0.04766      0.03651
0.03254      0.03447      0.03571      0.04371
  3604347.54 |       0.62371      0.23434      0.13764      0.11216      0.06244
0.04531      0.03562      0.03462      0.03499
  3604097.54 |      19.72980      2.67026      0.76421      0.29889      0.16335
0.07994      0.05766      0.05022      0.04016
  3603847.54 |      50.42752      8.43683      3.16991      1.37892      0.49280
0.23002      0.14653      0.11897      0.07352
  3603597.54 |       5.65601      1.13858      0.76869      0.88085      0.71089
0.49993      0.33398      0.26710      0.15684
  3603347.54 |       7.93010      1.34308      0.34007      0.57459      1.30156
0.52400      0.85401      0.48023      0.21692
  3603097.54 |       4.59313      4.01813      0.70307      2.22517      1.79472
1.12149      1.00342      0.31497      0.17770
  3602847.54 |       2.52151      2.46643      2.54280      1.83900      1.46730
1.19082      1.02580      0.70021      0.13207
  3602597.54 |       1.77829      1.73970      1.72282      1.44527      1.28835
1.09520      0.92449      0.49576      0.10847
  3602347.54 |       1.38490      1.33806      1.27214      1.18942      1.12316
0.91564      0.81285      0.72324      0.49531
  3602097.54 |       1.06693      1.06254      1.00059      0.98321      0.93827
0.84144      0.70901      0.58094      0.55874
  3601847.54 |       0.86032      0.86309      0.85708      0.82310      0.77804
0.71606      0.68011      0.58543      0.51341
  3601597.54 |       0.72083      0.74819      0.72418      0.69861      0.64970
0.62190      0.58700      0.56186      0.46592
  3601347.54 |       0.61285      0.64272      0.62221      0.60429      0.54668
0.54313      0.52964      0.48569      0.40455
  3601097.54 |       0.53451      0.54975      0.54090      0.52461      0.48943
0.47778      0.46497      0.40274      0.40805

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
```

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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP2     ***
                                 INCLUDING SOURCE(S):     CBP2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00826      0.00740
  3605847.54 |       0.00914      0.00825
  3605597.54 |       0.01064      0.00925
  3605347.54 |       0.01341      0.01129
  3605097.54 |       0.01466      0.01412
  3604847.54 |       0.01964      0.02000
  3604597.54 |       0.03754      0.02120
  3604347.54 |       0.02726      0.02265
  3604097.54 |       0.03251      0.02762
  3603847.54 |       0.05773      0.05018
  3603597.54 |       0.11548      0.08045
  3603347.54 |       0.11207      0.09120
  3603097.54 |       0.12455      0.09795
  3602847.54 |       0.09594      0.10871
  3602597.54 |       0.09676      0.12304
  3602347.54 |       0.27719      0.34694
  3602097.54 |       0.50618      0.45562
  3601847.54 |       0.44657      0.40620
  3601597.54 |       0.43626      0.36531
  3601347.54 |       0.38097      0.36035
  3601097.54 |       0.34126      0.33861

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP2     ***
                                 INCLUDING SOURCE(S):     CBP2        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.73086                      507708.67
3603932.32        3.43743
         506203.59    3603369.23        0.51465                      507919.87
3604794.52        1.73411
         507037.89    3604916.08        2.09634

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP3     ***
                                 INCLUDING SOURCE(S):     CBP3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26685      0.30252      0.34645      0.40726      0.44534
0.53578      0.58530      0.59067      0.54392
  3605847.54 |       0.26312      0.30099      0.34343      0.41706      0.49125
0.56417      0.63501      0.70872      0.67769
  3605597.54 |       0.25492      0.28828      0.34565      0.41388      0.48378
0.56639      0.66486      0.78127      0.88888
  3605347.54 |       0.29106      0.29901      0.31493      0.35067      0.44601
0.53593      0.63883      0.77860      0.93327
  3605097.54 |       0.28780      0.32125      0.35636      0.36163      0.39778
0.46494      0.60609      0.72684      0.88800
  3604847.54 |       0.27142      0.30218      0.32886      0.36812      0.44974
0.45301      0.51787      0.68141      0.82006
  3604597.54 |       0.25498      0.28203      0.31715      0.36935      0.43871
0.45329      0.53611      0.57599      0.72947
  3604347.54 |       0.24071      0.26404      0.29639      0.33854      0.39472
0.46140      0.54139      0.62074      0.63370
  3604097.54 |       0.22257      0.25252      0.27685      0.31047      0.35461
0.41095      0.49912      0.57868      0.61937
  3603847.54 |       0.20478      0.22876      0.26293      0.29046      0.33440
0.38672      0.43811      0.48623      0.57390
  3603597.54 |       0.19292      0.21188      0.24087      0.26953      0.29757
0.34270      0.38314      0.43310      0.51191
  3603347.54 |       0.18351      0.20312      0.22636      0.24951      0.27812
0.31299      0.35633      0.41095      0.49610
  3603097.54 |       0.17599      0.19242      0.21123      0.24340      0.26501
0.29552      0.34835      0.39720      0.48422
  3602847.54 |       0.17001      0.18685      0.21074      0.23150      0.25734
0.28946      0.34274      0.39558      0.47696
  3602597.54 |       0.16745      0.18373      0.20603      0.22884      0.25696
0.29250      0.34010      0.38253      0.43454
  3602347.54 |       0.16532      0.18155      0.20083      0.22321      0.25348
0.28727      0.31675      0.34320      0.37569
  3602097.54 |       0.16440      0.18114      0.20028      0.21859      0.23906
0.25561      0.27522      0.30461      0.33584
  3601847.54 |       0.16378      0.17714      0.18862      0.20027      0.21473
0.22889      0.25105      0.27901      0.31692
  3601597.54 |       0.15657      0.16497      0.17232      0.18196      0.19439
0.21265      0.23468      0.26430      0.30304
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  3601347.54 |       0.14503      0.15105      0.15896      0.16974      0.18548
0.20368      0.22617      0.25523      0.28828
  3601097.54 |       0.13436      0.14143      0.15151      0.16574      0.18055
0.19947      0.22100      0.24970      0.27836

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP3     ***
                                  INCLUDING SOURCE(S):     CBP3        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.55676      0.58517      0.56774      0.58387      0.42041
0.33264      0.12173      0.10657      0.04386
  3605847.54 |       0.66594      0.68324      0.74322      0.74711      0.55149
0.38233      0.26324      0.30622      0.09917
  3605597.54 |       0.85326      0.84265      0.85556      0.91422      0.88393
0.48700      0.28961      0.65627      0.63304
  3605347.54 |       1.09820      1.22329      1.11359      1.09903      1.06689
0.96571      0.86667      0.82886      0.15870
  3605097.54 |       1.10157      1.37717      1.67615      1.86487      1.70965
1.67115      1.42731      0.55695      0.08883
  3604847.54 |       1.03228      1.32579      1.78264      2.38536      2.93018
3.08725      1.70259      0.93750      0.19046
  3604597.54 |       0.94542      1.25022      1.64445      2.29136      3.43678
4.81741      5.16976      0.95814      0.27072
  3604347.54 |       0.84031      1.04666      1.34563      1.96922      3.07556
4.95053      9.06844     12.15466      1.66055
  3604097.54 |       0.69046      0.90688      1.23685      1.71806      2.31228
3.74089      7.69520     19.74003     68.66044
  3603847.54 |       0.66971      0.74842      0.96575      1.22225      1.79947
2.79095      4.96414     10.17926     46.36161
  3603597.54 |       0.64016      0.76263      0.93457      1.23139      1.61801
2.43238      3.94747      6.58585     14.28094
  3603347.54 |       0.59892      0.73748      0.89067      1.18749      1.57236
1.87248      2.84510      4.21306      6.90437
  3603097.54 |       0.58938      0.71744      0.85134      0.98402      1.19173
1.57680      2.18265      2.90179      3.83930
  3602847.54 |       0.56176      0.63741      0.70544      0.84236      1.05501
1.31002      1.68700      2.10813      2.41971
  3602597.54 |       0.48463      0.52354      0.62798      0.78010      0.92377
1.10452      1.35611      1.53603      1.77910
  3602347.54 |       0.41352      0.48128      0.57645      0.69441      0.80918
0.92173      1.07097      1.18914      1.33057
  3602097.54 |       0.38237      0.44141      0.52953      0.60508      0.69049
0.78525      0.87881      0.95466      1.03339
  3601847.54 |       0.36278      0.41886      0.48703      0.53465      0.59870
0.67277      0.73925      0.78654      0.84716
  3601597.54 |       0.34457      0.39189      0.43664      0.47717      0.53075
0.58346      0.62922      0.67355      0.70251
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  3601347.54 |       0.32488      0.36139      0.39490      0.43667      0.48021
0.51038      0.55025      0.57703      0.60729
  3601097.54 |       0.30656      0.33317      0.36353      0.39967      0.43140
0.45403      0.47766      0.50789      0.53419

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP3     ***
                                  INCLUDING SOURCE(S):     CBP3        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03332      0.03420      0.02089      0.03555      0.01921
0.01306      0.01149      0.01081      0.00909
  3605847.54 |       0.07996      0.11567      0.03147      0.13481      0.02622
0.01990      0.01415      0.01237      0.01038
  3605597.54 |       0.40400      0.19187      0.12341      0.12629      0.09111
0.03956      0.01765      0.01244      0.01139
  3605347.54 |       0.10044      0.24755      0.18890      0.19733      0.16592
0.03072      0.01963      0.01579      0.01516
  3605097.54 |       0.06802      0.07184      0.05272      0.03608      0.03974
0.08608      0.02749      0.02186      0.01604
  3604847.54 |       0.08890      0.05501      0.04444      0.03298      0.03073
0.03180      0.03837      0.03233      0.02516
  3604597.54 |       0.14812      0.09146      0.05546      0.04597      0.03538
0.03165      0.03349      0.03466      0.04185
  3604347.54 |       0.56047      0.21017      0.12887      0.10572      0.05975
0.04358      0.03436      0.03339      0.03394
  3604097.54 |      13.83494      2.16451      0.66653      0.27151      0.15138
0.07536      0.05480      0.04797      0.03852
  3603847.54 |      39.65106      7.55324      2.82022      1.24754      0.45096
0.21307      0.13712      0.11216      0.06988
  3603597.54 |       5.31120      1.14191      0.80419      0.87100      0.68350
0.47881      0.32106      0.25678      0.15076
  3603347.54 |       8.10102      1.26161      0.34358      0.57075      1.24677
0.51257      0.81467      0.45877      0.21109
  3603097.54 |       4.69721      4.03229      0.64677      2.12614      1.76024
1.07512      0.98182      0.30864      0.17636
  3602847.54 |       2.58347      2.49695      2.51458      1.82435      1.45114
1.15996      1.01389      0.68005      0.13325
  3602597.54 |       1.81628      1.75880      1.73730      1.45030      1.27881
1.08348      0.91502      0.47188      0.10769
  3602347.54 |       1.41346      1.35190      1.28217      1.20048      1.12162
0.90984      0.80664      0.69590      0.47615
  3602097.54 |       1.08612      1.07298      1.00856      0.98966      0.94507
0.83847      0.68759      0.56316      0.55636
  3601847.54 |       0.87435      0.87116      0.86465      0.82814      0.78434
0.71768      0.67743      0.57176      0.51090
  3601597.54 |       0.73195      0.75595      0.73007      0.70372      0.65309
0.62651      0.58652      0.55959      0.46402
```

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  3601347.54 |       0.62175      0.64940      0.62694      0.60917      0.54876
0.54687      0.53224      0.48460      0.40301
  3601097.54 |       0.54201      0.55522      0.54485      0.52870      0.49196
0.47998      0.46842      0.40264      0.40704

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP3     ***
                                 INCLUDING SOURCE(S):     CBP3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00818      0.00734
  3605847.54 |       0.00905      0.00817
  3605597.54 |       0.01051      0.00911
  3605347.54 |       0.01322      0.01115
  3605097.54 |       0.01435      0.01393
  3604847.54 |       0.01932      0.01961
  3604597.54 |       0.03623      0.02070
  3604347.54 |       0.02659      0.02217
  3604097.54 |       0.03136      0.02675
  3603847.54 |       0.05520      0.04811
  3603597.54 |       0.11108      0.07744
  3603347.54 |       0.10943      0.08903
  3603097.54 |       0.12341      0.09697
  3602847.54 |       0.09679      0.10882
  3602597.54 |       0.09707      0.12301
  3602347.54 |       0.26576      0.33347
  3602097.54 |       0.50327      0.45238
  3601847.54 |       0.44533      0.40502
  3601597.54 |       0.43420      0.36451
  3601347.54 |       0.37952      0.35910
  3601097.54 |       0.34013      0.33751

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP3     ***
                                 INCLUDING SOURCE(S):     CBP3        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       24.39704                     507708.67
3603932.32        3.72180
         506203.59    3603369.23        0.52764                     507919.87
3604794.52        1.46216
         507037.89    3604916.08        2.15054

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP4     ***
                                 INCLUDING SOURCE(S):     CBP4        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26721      0.30324      0.34807      0.41024      0.45239
0.54561      0.59988      0.61042      0.57015
  3605847.54 |       0.26375      0.30084      0.34303      0.41604      0.49154
0.56824      0.64535      0.72661      0.70539
  3605597.54 |       0.25727      0.29011      0.34576      0.41240      0.48144
0.56454      0.66631      0.79069      0.91069
  3605347.54 |       0.29142      0.30063      0.31802      0.35412      0.44661
0.53453      0.63590      0.77676      0.93900
  3605097.54 |       0.28572      0.31958      0.35546      0.36320      0.40144
0.46908      0.60790      0.72628      0.88466
  3604847.54 |       0.26871      0.29898      0.32554      0.36484      0.44610
0.45301      0.52081      0.68369      0.82397
  3604597.54 |       0.25295      0.27962      0.31417      0.36552      0.43424
0.44801      0.52945      0.57297      0.72535
  3604347.54 |       0.23821      0.26130      0.29322      0.33480      0.39031
0.45632      0.53541      0.61257      0.62854
  3604097.54 |       0.21920      0.24846      0.27226      0.30510      0.34817
0.40314      0.49005      0.56733      0.60636
  3603847.54 |       0.20196      0.22546      0.25900      0.28597      0.32919
0.38081      0.43097      0.47763      0.56336
  3603597.54 |       0.19152      0.21033      0.23902      0.26738      0.29510
0.33971      0.37958      0.42897      0.50688
  3603347.54 |       0.18237      0.20172      0.22466      0.24758      0.27601
0.31084      0.35444      0.40971      0.49607
  3603097.54 |       0.17487      0.19135      0.21033      0.24270      0.26476
0.29575      0.34900      0.39878      0.48787
  3602847.54 |       0.16985      0.18690      0.21092      0.23182      0.25794
0.29077      0.34507      0.39764      0.47369
  3602597.54 |       0.16764      0.18396      0.20648      0.22987      0.25862
0.29374      0.33809      0.37409      0.41985
  3602347.54 |       0.16575      0.18245      0.20209      0.22406      0.25227
0.28212      0.30755      0.33297      0.36871
```

```
  3602097.54 |       0.16536      0.18171      0.19948      0.21545      0.23321
0.24844      0.26902      0.30106      0.33482
  3601847.54 |       0.16322      0.17499      0.18473      0.19517      0.20964
0.22524      0.24920      0.27851      0.31729
  3601597.54 |       0.15375      0.16115      0.16831      0.17862      0.19226
0.21163      0.23440      0.26454      0.30361
  3601347.54 |       0.14178      0.14808      0.15677      0.16844      0.18485
0.20348      0.22631      0.25564      0.28816
  3601097.54 |       0.13224      0.13997      0.15066      0.16531      0.18038
0.19953      0.22130      0.24970      0.27687

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP4     ***
                                  INCLUDING SOURCE(S):     CBP4        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.58342      0.60965      0.59256      0.61813      0.45630
0.35782      0.13306      0.11455      0.04557
  3605847.54 |       0.70222      0.72075      0.77781      0.78519      0.60396
0.41769      0.29078      0.33000      0.10906
  3605597.54 |       0.89001      0.89452      0.91140      0.96582      0.97255
0.54519      0.32539      0.69683      0.67162
  3605347.54 |       1.12172      1.27074      1.19091      1.18902      1.15414
1.03915      0.91979      0.87741      0.17643
  3605097.54 |       1.10087      1.39656      1.74204      1.98738      1.85518
1.81673      1.56065      0.64195      0.09534
  3604847.54 |       1.03442      1.32320      1.79047      2.47032      3.18677
3.44840      2.11082      1.12283      0.21010
  3604597.54 |       0.94256      1.25407      1.65470      2.29988      3.51254
5.37872      6.37370      1.21852      0.30999
  3604347.54 |       0.82761      1.03048      1.32822      1.94835      3.09410
5.03107      9.76451     16.35666      2.19792
  3604097.54 |       0.67895      0.88684      1.20374      1.66752      2.23946
3.60087      7.46854     19.78980    174.22285
  3603847.54 |       0.65701      0.73679      0.94856      1.20319      1.76378
2.74370      4.97764     10.09501     40.32432
  3603597.54 |       0.63484      0.75750      0.93201      1.23696      1.63849
2.40069      3.71372      6.49673     11.74378
  3603347.54 |       0.60106      0.74379      0.89885      1.17516      1.49616
1.83306      2.84110      3.97629      6.02005
  3603097.54 |       0.59397      0.71185      0.82021      0.94604      1.18564
1.58048      2.11202      2.71147      3.46701
  3602847.54 |       0.54629      0.61334      0.69025      0.84261      1.05813
1.28449      1.62572      1.97412      2.23545
  3602597.54 |       0.47102      0.51774      0.62906      0.78271      0.91207
1.07502      1.30164      1.45094      1.66355
  3602347.54 |       0.41119      0.48209      0.57808      0.68896      0.79097
0.89778      1.02746      1.13098      1.25681
```

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  3602097.54 |       0.38293      0.44259      0.52717      0.59452      0.67532
0.76351      0.84426      0.91280      0.98376
  3601847.54 |       0.36358      0.41788      0.48040      0.52406      0.58640
0.65290      0.71187      0.75518      0.81055
  3601597.54 |       0.34417      0.38798      0.42882      0.46843      0.51933
0.56583      0.60761      0.64840      0.67517
  3601347.54 |       0.32251      0.35587      0.38790      0.42895      0.46886
0.49522      0.53251      0.55700      0.58529
  3601097.54 |       0.30266      0.32757      0.35763      0.39235      0.42068
0.44094      0.46340      0.49120      0.51601

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP4     ***
                                  INCLUDING SOURCE(S):     CBP4        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03444      0.03471      0.02172      0.03756      0.01926
0.01358      0.01177      0.01080      0.00912
  3605847.54 |       0.08499      0.12796      0.03338      0.15151      0.02833
0.01993      0.01416      0.01234      0.01042
  3605597.54 |       0.46037      0.21087      0.13822      0.14572      0.09705
0.03952      0.01724      0.01253      0.01171
  3605347.54 |       0.10984      0.27804      0.21855      0.23306      0.16632
0.03010      0.02070      0.01618      0.01533
  3605097.54 |       0.07132      0.07845      0.05688      0.03662      0.03862
0.09979      0.02946      0.02258      0.01704
  3604847.54 |       0.09268      0.05755      0.04626      0.03321      0.03262
0.03318      0.04034      0.03373      0.02674
  3604597.54 |       0.16508      0.10017      0.05648      0.04857      0.03895
0.03433      0.03545      0.03701      0.04685
  3604347.54 |       0.71453      0.22308      0.14466      0.12640      0.06662
0.04930      0.03842      0.03673      0.03637
  3604097.54 |      29.08821      3.71281      0.93712      0.35031      0.18652
0.08907      0.06317      0.05452      0.04312
  3603847.54 |      30.38277      6.52653      2.91294      1.33811      0.50391
0.24289      0.15580      0.12652      0.07815
  3603597.54 |       5.46215      0.97228      0.63108      0.75706      0.64952
0.47389      0.32199      0.26122      0.15586
  3603347.54 |       6.77445      1.25875      0.31043      0.52665      1.21854
0.48774      0.81672      0.46611      0.20997
  3603097.54 |       4.13444      3.56662      0.66587      2.02963      1.64758
1.06131      0.94180      0.30047      0.16804
  3602847.54 |       2.34350      2.25288      2.33786      1.68316      1.35562
1.11682      0.96368      0.67064      0.12458
  3602597.54 |       1.68014      1.61719      1.59836      1.34709      1.19847
1.02551      0.87220      0.48539      0.10468
  3602347.54 |       1.32208      1.25798      1.19487      1.12146      1.05423
0.86258      0.76908      0.68884      0.48207
```

```
  3602097.54 |       1.02657      1.00777      0.94892      0.93102      0.89127
0.79614      0.67981      0.56124      0.53477
  3601847.54 |       0.83246      0.82447      0.81749      0.78379      0.74347
0.68338      0.64756      0.56300      0.49224
  3601597.54 |       0.70040      0.71855      0.69367      0.66948      0.62234
0.59787      0.56197      0.53790      0.44770
  3601347.54 |       0.59744      0.62007      0.59813      0.58190      0.52551
0.52351      0.51037      0.46660      0.38980
  3601097.54 |       0.52239      0.53245      0.52171      0.50679      0.47241
0.46093      0.45011      0.38915      0.39339

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP4     ***
                                 INCLUDING SOURCE(S):     CBP4        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00819      0.00741
  3605847.54 |       0.00923      0.00820
  3605597.54 |       0.01049      0.00922
  3605347.54 |       0.01361      0.01173
  3605097.54 |       0.01536      0.01450
  3604847.54 |       0.01973      0.02015
  3604597.54 |       0.04022      0.02262
  3604347.54 |       0.02804      0.02313
  3604097.54 |       0.03457      0.02916
  3603847.54 |       0.06116      0.05301
  3603597.54 |       0.11656      0.08199
  3603347.54 |       0.10958      0.09009
  3603097.54 |       0.11900      0.09437
  3602847.54 |       0.09079      0.10351
  3602597.54 |       0.09281      0.11809
  3602347.54 |       0.27417      0.34053
  3602097.54 |       0.48604      0.43887
  3601847.54 |       0.42966      0.39177
  3601597.54 |       0.42002      0.35297
  3601347.54 |       0.36766      0.34830
  3601097.54 |       0.33003      0.32768

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP4     ***
                                 INCLUDING SOURCE(S):     CBP4        ,

                                                  *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       23.53464                     507708.67
3603932.32        3.57133
         506203.59    3603369.23        0.52769                     507919.87
3604794.52        1.84367
         507037.89    3604916.08        2.22855

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR1      ***
                                 INCLUDING SOURCE(S):     CR1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26628      0.29789      0.33314      0.37466      0.40164
0.44944      0.47336      0.47235      0.44634
  3605847.54 |       0.26010      0.29538      0.33418      0.38894      0.44160
0.48867      0.52897      0.56431      0.54819
  3605597.54 |       0.24807      0.28083      0.32954      0.38736      0.44629
0.50982      0.57575      0.64154      0.69224
  3605347.54 |       0.26506      0.27923      0.30293      0.34206      0.41732
0.49538      0.58054      0.68015      0.77160
  3605097.54 |       0.26675      0.29410      0.32344      0.33952      0.37885
0.44125      0.55175      0.66029      0.79013
  3604847.54 |       0.25931      0.28688      0.31230      0.34688      0.40839
0.42854      0.49016      0.60982      0.73676
  3604597.54 |       0.24436      0.27077      0.30405      0.35083      0.41331
0.43405      0.50379      0.55951      0.67675
  3604347.54 |       0.23026      0.25307      0.28338      0.32214      0.37324
0.43507      0.50960      0.58357      0.63779
  3604097.54 |       0.21674      0.24385      0.26787      0.29980      0.34069
0.39237      0.47346      0.54666      0.60255
  3603847.54 |       0.20243      0.22516      0.25674      0.28384      0.32556
0.37639      0.42548      0.47517      0.55996
  3603597.54 |       0.18790      0.20601      0.23203      0.25865      0.28573
0.32664      0.36577      0.41498      0.48675
  3603347.54 |       0.17551      0.19338      0.21447      0.23628      0.26288
0.29498      0.33425      0.38274      0.45357
  3603097.54 |       0.16809      0.18347      0.20095      0.22825      0.24831
0.27545      0.31814      0.35946      0.42789
```

```
  3602847.54 |       0.16133      0.17601      0.19589      0.21400      0.23645
0.26414      0.30655      0.34982      0.41717
  3602597.54 |       0.15606      0.17036      0.18937      0.20919      0.23295
0.26239      0.30288      0.34728      0.41275
  3602347.54 |       0.15347      0.16775      0.18423      0.20339      0.22973
0.26327      0.30092      0.34100      0.38120
  3602097.54 |       0.15165      0.16597      0.18339      0.20314      0.22824
0.25329      0.27916      0.30638      0.32582
  3601847.54 |       0.15103      0.16547      0.18097      0.19826      0.21727
0.23237      0.24896      0.26730      0.29496
  3601597.54 |       0.15007      0.16252      0.17402      0.18535      0.19569
0.20822      0.22350      0.24663      0.27901
  3601347.54 |       0.14553      0.15354      0.16101      0.16874      0.17966
0.19317      0.21157      0.23645      0.26611
  3601097.54 |       0.13627      0.14181      0.14881      0.15929      0.17085
0.18683      0.20555      0.23104      0.25925

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR1      ***
                                INCLUDING SOURCE(S):     CR1         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.44884      0.45503      0.42880      0.44292      0.39120
0.37973      0.22799      0.19086      0.05773
  3605847.54 |       0.53476      0.53660      0.54905      0.52409      0.51244
0.46328      0.35614      0.42146      0.18984
  3605597.54 |       0.67362      0.65718      0.65263      0.65277      0.69058
0.59489      0.42932      0.48873      0.45938
  3605347.54 |       0.84924      0.88985      0.83411      0.81102      0.76098
0.65386      0.58994      0.56826      0.32752
  3605097.54 |       0.93106      1.06733      1.17054      1.19275      1.10919
1.01234      0.86431      0.88452      0.08896
  3604847.54 |       0.92013      1.14372      1.39702      1.61219      1.71667
1.73916      1.58925      1.26233      0.35732
  3604597.54 |       0.84028      1.08221      1.41243      1.85525      2.32660
2.65683      2.55890      1.66720      0.28755
  3604347.54 |       0.79995      0.98225      1.24140      1.69948      2.49618
3.52215      4.20826      3.79916      3.15173
  3604097.54 |       0.70476      0.89751      1.18101      1.59503      2.17202
3.31025      5.84096      8.91685      6.92286
  3603847.54 |       0.65980      0.77699      0.99159      1.29087      1.82846
2.78189      4.82216     10.37387     37.05492
  3603597.54 |       0.59772      0.70938      0.86589      1.11466      1.45625
2.08583      3.36242      6.34006     19.65873
  3603347.54 |       0.53850      0.64938      0.77035      0.99371      1.34838
1.81390      2.74754      4.32228      9.64637
  3603097.54 |       0.51072      0.61438      0.74807      0.93729      1.19130
1.47878      2.02631      3.27199      5.11360
```

```
  3602847.54 |       0.50300      0.60843      0.70827      0.82436      0.95465
1.20928      1.72294      2.40949      3.10023
  3602597.54 |       0.48762      0.52716      0.59846      0.69823      0.83584
1.08817      1.41895      1.78423      2.12930
  3602347.54 |       0.40871      0.45153      0.51981      0.62501      0.77159
0.94333      1.15046      1.36449      1.55374
  3602097.54 |       0.35671      0.40295      0.48055      0.57287      0.68895
0.80861      0.95127      1.07647      1.18934
  3601847.54 |       0.33228      0.38304      0.45485      0.52652      0.60592
0.69727      0.79730      0.87309      0.95193
  3601597.54 |       0.31647      0.36576      0.42285      0.47713      0.53671
0.60783      0.67463      0.73110      0.77931
  3601347.54 |       0.30306      0.34677      0.39016      0.43453      0.48357
0.53302      0.58218      0.61965      0.65927
  3601097.54 |       0.29198      0.32614      0.35996      0.39600      0.43590
0.47221      0.50314      0.53771      0.56939

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR1      ***
                                INCLUDING SOURCE(S):     CR1         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03557      0.04201      0.02179      0.05471      0.01998
0.01306      0.01098      0.01067      0.00928
  3605847.54 |       0.17398      0.20799      0.03473      0.22052      0.02828
0.02017      0.01436      0.01310      0.01080
  3605597.54 |       0.48254      0.33330      0.23769      0.21785      0.16353
0.09336      0.01955      0.01297      0.01136
  3605347.54 |       0.22814      0.59946      0.34468      0.31022      0.30939
0.04572      0.02402      0.01550      0.01465
  3605097.54 |       0.06153      0.08255      0.05269      0.03514      0.05995
0.19468      0.02885      0.02171      0.01574
  3604847.54 |       0.07681      0.04574      0.04113      0.03260      0.03308
0.03000      0.04388      0.03687      0.02563
  3604597.54 |       0.12065      0.07674      0.05191      0.04624      0.03155
0.02664      0.02910      0.03246      0.04499
  3604347.54 |       0.91463      0.21145      0.12865      0.09574      0.04574
0.03443      0.02849      0.02708      0.02648
  3604097.54 |       5.41209      4.57630      0.95003      0.17839      0.09348
0.04805      0.03717      0.03471      0.02943
  3603847.54 |      26.04476      9.99334      3.40998      1.48140      0.23455
0.10972      0.07750      0.06901      0.04542
  3603597.54 |     123.09113      7.73168      2.07520      1.30803      0.88210
0.54216      0.30875      0.24601      0.11795
  3603347.54 |      15.76048      6.28409      1.09548      1.73599      3.01414
1.06345      1.54978      0.88723      0.25027
  3603097.54 |       6.88465      5.87882      2.29733      3.05737      2.18310
1.94610      1.57724      0.60335      0.23284
```

```
  3602847.54 |       3.62526      3.38276      3.42163      2.11790      1.60644
1.46745      1.18991      1.11838      0.21162
  3602597.54 |       2.37220      2.30095      2.09506      1.73298      1.39514
1.15966      0.99443      0.82667      0.17127
  3602347.54 |       1.71225      1.68758      1.53943      1.40376      1.22836
0.97594      0.84598      0.79267      0.71360
  3602097.54 |       1.28863      1.29546      1.20152      1.12683      1.04646
0.89549      0.90119      0.76468      0.57536
  3601847.54 |       1.01416      1.02764      0.98983      0.92622      0.86977
0.78037      0.70734      0.70360      0.52561
  3601597.54 |       0.82734      0.85407      0.82172      0.77838      0.72098
0.68382      0.62093      0.57883      0.47721
  3601347.54 |       0.69004      0.71792      0.69518      0.66640      0.60757
0.59317      0.56473      0.50553      0.42690
  3601097.54 |       0.58968      0.60782      0.59671      0.57444      0.53579
0.51577      0.49972      0.43782      0.42071

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR1      ***
                                 INCLUDING SOURCE(S):     CR1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00829      0.00742
  3605847.54 |       0.00918      0.00801
  3605597.54 |       0.01022      0.00927
  3605347.54 |       0.01347      0.01077
  3605097.54 |       0.01305      0.01195
  3604847.54 |       0.01701      0.01882
  3604597.54 |       0.03783      0.01910
  3604347.54 |       0.02099      0.01784
  3604097.54 |       0.02488      0.02189
  3603847.54 |       0.03778      0.03441
  3603597.54 |       0.08483      0.05861
  3603347.54 |       0.10614      0.08284
  3603097.54 |       0.14500      0.10609
  3602847.54 |       0.13554      0.14010
  3602597.54 |       0.15408      0.19627
  3602347.54 |       0.49725      0.53022
  3602097.54 |       0.52318      0.48400
  3601847.54 |       0.45792      0.41332
  3601597.54 |       0.44461      0.37511
  3601347.54 |       0.39055      0.36581
  3601097.54 |       0.35738      0.34247

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR1      ***
                                 INCLUDING SOURCE(S):     CR1         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       16.11232                     507708.67
3603932.32        3.61863
         506203.59    3603369.23        0.48162                     507919.87
3604794.52        1.68728
         507037.89    3604916.08        1.47117

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26604      0.29777      0.33328      0.37533      0.40272
0.45152      0.47614      0.47544      0.44920
  3605847.54 |       0.25982      0.29513      0.33401      0.38922      0.44247
0.49028      0.53144      0.56781      0.55177
  3605597.54 |       0.24790      0.28058      0.32938      0.38741      0.44661
0.51066      0.57752      0.64470      0.69690
  3605347.54 |       0.26543      0.27935      0.30277      0.34168      0.41719
0.49548      0.58110      0.68188      0.77510
  3605097.54 |       0.26710      0.29455      0.32392      0.33963      0.37870
0.44091      0.55178      0.66050      0.79123
  3604847.54 |       0.25936      0.28700      0.31243      0.34710      0.40902
0.42863      0.49002      0.60998      0.73657
  3604597.54 |       0.24428      0.27064      0.30392      0.35082      0.41355
0.43398      0.50397      0.55931      0.67684
  3604347.54 |       0.23023      0.25298      0.28325      0.32199      0.37310
0.43493      0.50948      0.58334      0.63655
  3604097.54 |       0.21664      0.24379      0.26776      0.29965      0.34052
0.39219      0.47341      0.54646      0.60138
```

```
  3603847.54 |       0.20222      0.22494      0.25654      0.28358      0.32530
0.37612      0.42508      0.47440      0.55895
  3603597.54 |       0.18772      0.20580      0.23182      0.25842      0.28540
0.32629      0.36524      0.41420      0.48578
  3603347.54 |       0.17546      0.19334      0.21445      0.23623      0.26281
0.29489      0.33413      0.38257      0.45351
  3603097.54 |       0.16810      0.18347      0.20094      0.22831      0.24831
0.27541      0.31822      0.35956      0.42830
  3602847.54 |       0.16134      0.17603      0.19597      0.21409      0.23658
0.26432      0.30694      0.35030      0.41799
  3602597.54 |       0.15615      0.17048      0.18956      0.20942      0.23324
0.26276      0.30341      0.34789      0.41338
  3602347.54 |       0.15363      0.16793      0.18444      0.20363      0.23006
0.26371      0.30131      0.34103      0.38066
  3602097.54 |       0.15182      0.16618      0.18364      0.20341      0.22847
0.25330      0.27883      0.30581      0.32524
  3601847.54 |       0.15123      0.16569      0.18112      0.19826      0.21708
0.23197      0.24852      0.26702      0.29494
  3601597.54 |       0.15020      0.16255      0.17390      0.18508      0.19535
0.20795      0.22338      0.24667      0.27917
  3601347.54 |       0.14547      0.15337      0.16076      0.16851      0.17953
0.19315      0.21165      0.23660      0.26628
  3601097.54 |       0.13611      0.14163      0.14867      0.15925      0.17090
0.18694      0.20570      0.23123      0.25942

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.45187      0.45859      0.43279      0.44794      0.39495
0.38240      0.22646      0.18955      0.05712
  3605847.54 |       0.53855      0.54066      0.55415      0.53021      0.51834
0.46694      0.35614      0.42476      0.18782
  3605597.54 |       0.67844      0.66243      0.65818      0.65969      0.70007
0.60056      0.42925      0.49378      0.46397
  3605347.54 |       0.85500      0.89777      0.84178      0.81890      0.76997
0.66284      0.59677      0.57463      0.32469
  3605097.54 |       0.93432      1.07432      1.18224      1.20781      1.12326
1.02858      0.87853      0.75841      0.08902
  3604847.54 |       0.92036      1.14614      1.40550      1.63017      1.74403
1.77203      1.62171      1.27938      0.35005
  3604597.54 |       0.84039      1.08222      1.41317      1.86305      2.35369
2.71050      2.62251      1.68381      0.28438
  3604347.54 |       0.79949      0.98197      1.24054      1.69786      2.49880
3.55494      4.30629      3.92599      3.22388
  3604097.54 |       0.70245      0.89479      1.17820      1.59266      2.16818
3.30298      5.85328      9.18166      7.29303
```

```
  3603847.54 |       0.65818      0.77390      0.98734      1.28381      1.81772
2.76230      4.78172     10.26541     38.06368
  3603597.54 |       0.59679      0.70784      0.86334      1.11097      1.44909
2.07364      3.34218      6.28574     19.07032
  3603347.54 |       0.53848      0.64947      0.77007      0.99412      1.35048
1.81267      2.72644      4.27322      9.44443
  3603097.54 |       0.51148      0.61555      0.74958      0.93829      1.18785
1.46820      2.01789      3.24162      5.02660
  3602847.54 |       0.50417      0.60954      0.70769      0.82133      0.95147
1.20668      1.71493      2.38781      3.05907
  3602597.54 |       0.48766      0.52586      0.59687      0.69770      0.83533
1.08540      1.41131      1.76921      2.10821
  3602347.54 |       0.40772      0.45083      0.51974      0.62517      0.77080
0.93979      1.14428      1.35436      1.54104
  3602097.54 |       0.35645      0.40297      0.48074      0.57257      0.68739
0.80556      0.94649      1.06957      1.18098
  3601847.54 |       0.33242      0.38322      0.45492      0.52578      0.60425
0.69482      0.79365      0.86826      0.94632
  3601597.54 |       0.31666      0.36587      0.42259      0.47623      0.53532
0.60584      0.67183      0.72775      0.77530
  3601347.54 |       0.30320      0.34671      0.38971      0.43376      0.48253
0.53138      0.58013      0.61718      0.65645
  3601097.54 |       0.29204      0.32594      0.35951      0.39541      0.43504
0.47090      0.50153      0.53591      0.56739

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03547      0.04168      0.02179      0.05378      0.01999
0.01307      0.01101      0.01067      0.00929
  3605847.54 |       0.17152      0.20593      0.03453      0.21652      0.02820
0.02019      0.01439      0.01310      0.01080
  3605597.54 |       0.48721      0.32725      0.23500      0.21545      0.16153
0.09159      0.01951      0.01298      0.01137
  3605347.54 |       0.22382      0.60390      0.33887      0.30631      0.30687
0.04488      0.02395      0.01549      0.01468
  3605097.54 |       0.06180      0.08185      0.05277      0.03523      0.05896
0.19074      0.02868      0.02177      0.01578
  3604847.54 |       0.07736      0.04603      0.04133      0.03269      0.03304
0.02995      0.04353      0.03673      0.02562
  3604597.54 |       0.12178      0.07745      0.05230      0.04632      0.03168
0.02674      0.02916      0.03246      0.04463
  3604347.54 |       0.89092      0.21277      0.12789      0.09609      0.04605
0.03485      0.02874      0.02719      0.02660
  3604097.54 |       5.63059      4.68097      0.92468      0.17826      0.09485
0.04864      0.03769      0.03519      0.02978
```

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  3603847.54 |      28.59764     10.33741      3.45455      1.47178      0.23901
0.11219      0.07905      0.07019      0.04612
  3603597.54 |     109.92930      7.40011      2.08943      1.32051      0.88884
0.54713      0.31273      0.24817      0.11977
  3603347.54 |      15.23904      5.97956      1.04698      1.67767      2.97643
1.04259      1.54096      0.87410      0.24976
  3603097.54 |       6.76968      5.80371      2.21034      3.04777      2.17066
1.93200      1.57056      0.59119      0.23173
  3602847.54 |       3.56985      3.34139      3.40028      2.11018      1.60230
1.46354      1.18525      1.11121      0.20918
  3602597.54 |       2.34438      2.27729      2.07959      1.72356      1.39284
1.15890      0.99379      0.81795      0.16821
  3602347.54 |       1.69695      1.67330      1.52882      1.39543      1.22571
0.97469      0.84563      0.79242      0.67387
  3602097.54 |       1.27877      1.28616      1.19389      1.12122      1.04290
0.89436      0.89967      0.76247      0.57538
  3601847.54 |       1.00750      1.02120      0.98479      0.92237      0.86635
0.77851      0.70709      0.70281      0.52558
  3601597.54 |       0.82275      0.84983      0.81809      0.77545      0.71833
0.68169      0.62013      0.57891      0.47714
  3601347.54 |       0.68673      0.71490      0.69250      0.66415      0.60543
0.59135      0.56370      0.50516      0.42647
  3601097.54 |       0.58729      0.60551      0.59468      0.57266      0.53417
0.51443      0.49854      0.43687      0.42054

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00830      0.00743
  3605847.54 |       0.00919      0.00802
  3605597.54 |       0.01024      0.00926
  3605347.54 |       0.01347      0.01077
  3605097.54 |       0.01308      0.01200
  3604847.54 |       0.01710      0.01887
  3604597.54 |       0.03778      0.01915
  3604347.54 |       0.02113      0.01799
  3604097.54 |       0.02512      0.02206
  3603847.54 |       0.03830      0.03484
  3603597.54 |       0.08605      0.05940
  3603347.54 |       0.10692      0.08359
  3603097.54 |       0.14474      0.10620
  3602847.54 |       0.13461      0.13941
  3602597.54 |       0.15189      0.19366
  3602347.54 |       0.49012      0.52523
  3602097.54 |       0.52318      0.48350
  3601847.54 |       0.45787      0.41337
  3601597.54 |       0.44471      0.37501
  3601347.54 |       0.39045      0.36585
  3601097.54 |       0.35709      0.34254

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       16.47525                      507708.67
3603932.32        3.60063
         506203.59    3603369.23        0.48151                      507919.87
3604794.52        1.71937
         507037.89    3604916.08        1.48700

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR3      ***
                                 INCLUDING SOURCE(S):     CR3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26781      0.30073      0.33848      0.38547      0.41458
0.47426      0.50400      0.50224      0.46827
  3605847.54 |       0.26227      0.29889      0.33915      0.40033      0.45944
0.51297      0.56006      0.60409      0.57957
  3605597.54 |       0.25047      0.28393      0.33661      0.39945      0.46278
0.53225      0.60679      0.68512      0.74803
  3605347.54 |       0.27459      0.28589      0.30680      0.34519      0.42897
0.51328      0.60558      0.71833      0.82515
  3605097.54 |       0.27624      0.30542      0.33613      0.34706      0.38480
0.44895      0.57292      0.68868      0.83098
  3604847.54 |       0.26652      0.29550      0.32105      0.35702      0.42632
0.43796      0.49941      0.63389      0.76602
```

```
  3604597.54 |       0.25022      0.27721      0.31179      0.36195      0.42955
0.44555      0.52047      0.56951      0.69730
  3604347.54 |       0.23595      0.25903      0.29038      0.33094      0.38510
0.45042      0.52923      0.60564      0.64366
  3604097.54 |       0.22121      0.24999      0.27431      0.30730      0.35012
0.40462      0.49203      0.56859      0.61521
  3603847.54 |       0.20559      0.22924      0.26282      0.29045      0.33445
0.38786      0.43861      0.48692      0.57466
  3603597.54 |       0.19103      0.20953      0.23707      0.26470      0.29204
0.33514      0.37445      0.42361      0.49837
  3603347.54 |       0.17922      0.19791      0.22005      0.24248      0.27000
0.30329      0.34416      0.39476      0.47141
  3603097.54 |       0.17192      0.18775      0.20570      0.23513      0.25521
0.28307      0.32952      0.37285      0.44867
  3602847.54 |       0.16500      0.18032      0.20165      0.22050      0.24405
0.27324      0.31982      0.36599      0.44046
  3602597.54 |       0.16031      0.17537      0.19576      0.21664      0.24173
0.27312      0.31719      0.36408      0.43234
  3602347.54 |       0.15811      0.17302      0.19026      0.21037      0.23871
0.27457      0.31296      0.35127      0.38845
  3602097.54 |       0.15631      0.17141      0.18983      0.21018      0.23567
0.25948      0.28360      0.31048      0.33150
  3601847.54 |       0.15594      0.17076      0.18595      0.20241      0.22052
0.23463      0.25205      0.27287      0.30408
  3601597.54 |       0.15404      0.16588      0.17636      0.18695      0.19731
0.21119      0.22850      0.25401      0.28883
  3601347.54 |       0.14767      0.15500      0.16225      0.17051      0.18281
0.19788      0.21777      0.24420      0.27521
  3601097.54 |       0.13742      0.14312      0.15088      0.16260      0.17529
0.19238      0.21207      0.23891      0.26796

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR3      ***
                                  INCLUDING SOURCE(S):     CR3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.47385      0.48666      0.46164      0.48243      0.42065
0.33662      0.17865      0.15213      0.04800
  3605847.54 |       0.56368      0.56972      0.59560      0.57843      0.55173
0.39396      0.32376      0.34653      0.14330
  3605597.54 |       0.71716      0.69746      0.69676      0.71215      0.75967
0.50635      0.38125      0.53602      0.50684
  3605347.54 |       0.92084      0.97463      0.89418      0.87009      0.82342
0.71826      0.65458      0.63153      0.24462
  3605097.54 |       0.99237      1.16038      1.30238      1.34708      1.23326
1.14594      0.99144      0.68308      0.08223
  3604847.54 |       0.96487      1.21638      1.52853      1.82778      2.01003
2.06105      1.59121      1.05680      0.23023
```

```
  3604597.54 |       0.87567      1.13998      1.50076      2.02611      2.67965
3.23324      3.16624      1.36105      0.23098
  3604347.54 |       0.82464      1.01625      1.28494      1.78706      2.70987
4.04095      5.28337      5.00834      2.33008
  3604097.54 |       0.70712      0.91087      1.21803      1.67134      2.26415
3.50371      6.56298     11.70233     10.28843
  3603847.54 |       0.67385      0.77810      0.99747      1.28796      1.84859
2.83529      4.98128     10.57094     47.87300
  3603597.54 |       0.61904      0.73311      0.89209      1.15487      1.49243
2.15285      3.58303      6.62960     18.46991
  3603347.54 |       0.56271      0.68297      0.80821      1.05916      1.46662
1.91318      2.75005      4.34961      9.11963
  3603097.54 |       0.53999      0.65437      0.79968      0.99274      1.21973
1.48447      2.10150      3.22851      4.77313
  3602847.54 |       0.53413      0.64345      0.73241      0.83836      0.98299
1.25212      1.74530      2.36015      2.91367
  3602597.54 |       0.50475      0.53536      0.61182      0.72939      0.87194
1.11307      1.42076      1.73168      2.04655
  3602347.54 |       0.41453      0.46349      0.54139      0.65393      0.79723
0.94895      1.14205      1.32593      1.50305
  3602097.54 |       0.36697      0.41749      0.50059      0.59126      0.69978
0.81075      0.94190      1.05062      1.15437
  3601847.54 |       0.34440      0.39756      0.47135      0.53691      0.61059
0.69830      0.78976      0.85589      0.93072
  3601597.54 |       0.32796      0.37829      0.43360      0.48326      0.54076
0.60819      0.66893      0.72217      0.76450
  3601347.54 |       0.31311      0.35627      0.39723      0.44052      0.48872
0.53292      0.57985      0.61406      0.65147
  3601097.54 |       0.30047      0.33315      0.36590      0.40209      0.44053
0.47282      0.50146      0.53559      0.56637

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR3      ***
                                  INCLUDING SOURCE(S):     CR3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03319      0.03653      0.02086      0.04188      0.01943
0.01280      0.01109      0.01069      0.00923
  3605847.54 |       0.12472      0.16607      0.03145      0.17064      0.02649
0.01966      0.01412      0.01286      0.01063
  3605597.54 |       0.52503      0.25818      0.18208      0.17308      0.12114
0.06537      0.01879      0.01275      0.01126
  3605347.54 |       0.15052      0.34194      0.26062      0.24685      0.25710
0.03591      0.02236      0.01512      0.01471
  3605097.54 |       0.06116      0.07030      0.05056      0.03464      0.04694
0.13096      0.02623      0.02108      0.01557
  3604847.54 |       0.07771      0.04644      0.04051      0.03274      0.03143
0.02867      0.03790      0.03347      0.02393
```

```
  3604597.54 |       0.12298      0.07914      0.05295      0.04408      0.03182
0.02676      0.02870      0.03090      0.03938
  3604347.54 |       0.52286      0.20818      0.11260      0.09078      0.04672
0.03685      0.02953      0.02738      0.02681
  3604097.54 |       7.81035      2.65586      0.52936      0.16388      0.09769
0.05160      0.04047      0.03739      0.03113
  3603847.54 |      56.07557      6.98550      2.63691      1.02224      0.25076
0.12493      0.08698      0.07578      0.04951
  3603597.54 |      32.28192      4.38324      1.81891      1.19734      0.79913
0.50940      0.30754      0.23946      0.12433
  3603347.54 |      13.42122      2.94817      0.74831      1.15682      2.37240
0.77803      1.27971      0.65360      0.22940
  3603097.54 |       6.52673      5.55629      1.26125      2.95439      2.12765
1.64545      1.39111      0.44889      0.21252
  3602847.54 |       3.31169      3.12009      3.27291      2.05047      1.58485
1.43765      1.17064      0.95999      0.18445
  3602597.54 |       2.21653      2.14449      2.02257      1.66040      1.38208
1.16638      0.99931      0.69349      0.14292
  3602347.54 |       1.63817      1.59732      1.47510      1.35961      1.21631
0.96825      0.85158      0.79100      0.61214
  3602097.54 |       1.23933      1.23887      1.15268      1.10100      1.03218
0.89196      0.84406      0.70194      0.58115
  3601847.54 |       0.98147      0.98934      0.96378      0.90875      0.85721
0.77046      0.71138      0.68590      0.53011
  3601597.54 |       0.80689      0.83445      0.80439      0.76582      0.70952
0.67524      0.61833      0.58472      0.47934
  3601347.54 |       0.67660      0.70633      0.68357      0.65819      0.59548
0.58743      0.56255      0.50573      0.42339
  3601097.54 |       0.58191      0.59927      0.58878      0.56847      0.52806
0.51178      0.49727      0.43018      0.42207

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR3      ***
                                 INCLUDING SOURCE(S):     CR3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00824      0.00740
  3605847.54 |       0.00909      0.00803
  3605597.54 |       0.01021      0.00927
  3605347.54 |       0.01331      0.01059
  3605097.54 |       0.01295      0.01219
  3604847.54 |       0.01744      0.01864
  3604597.54 |       0.03453      0.01883
  3604347.54 |       0.02173      0.01875
  3604097.54 |       0.02607      0.02269
  3603847.54 |       0.04077      0.03673
  3603597.54 |       0.08990      0.06254
  3603347.54 |       0.10777      0.08496
  3603097.54 |       0.13841      0.10377
  3602847.54 |       0.12469      0.12957
  3602597.54 |       0.13246      0.16535
  3602347.54 |       0.39110      0.46197
  3602097.54 |       0.52811      0.48389
  3601847.54 |       0.46130      0.41739
  3601597.54 |       0.44958      0.37673
  3601347.54 |       0.39144      0.36929
  3601097.54 |       0.35518      0.34546

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR3      ***
                                 INCLUDING SOURCE(S):     CR3         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       20.31072                     507708.67
3603932.32        3.76438
         506203.59    3603369.23       0.50085                      507919.87
3604794.52        1.56348
         507037.89    3604916.08       1.65991

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26415      0.29798      0.33842      0.39199      0.42620
0.50139      0.54180      0.54485      0.50697
  3605847.54 |       0.25952      0.29602      0.33662      0.40303      0.46899
0.53213      0.59177      0.65168      0.62659
  3605597.54 |       0.24984      0.28246      0.33635      0.40073      0.46613
0.54096      0.62663      0.72419      0.81066
```

```
  3605347.54 |       0.28007      0.28911      0.30682      0.34274      0.43028
0.51557      0.61120      0.73574      0.86539
  3605097.54 |       0.27958      0.31038      0.34253      0.34981      0.38544
0.44884      0.57804      0.69304      0.84134
  3604847.54 |       0.26639      0.29588      0.32149      0.35845      0.43296
0.43917      0.50004      0.64404      0.77348
  3604597.54 |       0.24984      0.27632      0.31053      0.36104      0.42890
0.44288      0.52036      0.56340      0.69974
  3604347.54 |       0.23597      0.25867      0.28986      0.33036      0.38443
0.44901      0.52655      0.60172      0.62462
  3604097.54 |       0.21983      0.24884      0.27266      0.30534      0.34802
0.40238      0.48908      0.56490      0.60462
  3603847.54 |       0.20320      0.22664      0.26013      0.28707      0.33036
0.38234      0.43195      0.47785      0.56269
  3603597.54 |       0.18988      0.20821      0.23600      0.26353      0.29040
0.33354      0.37201      0.41971      0.49395
  3603347.54 |       0.17954      0.19839      0.22073      0.24304      0.27049
0.30372      0.34460      0.39543      0.47386
  3603097.54 |       0.17233      0.18814      0.20609      0.23635      0.25643
0.28470      0.33327      0.37805      0.45772
  3602847.54 |       0.16577      0.18151      0.20374      0.22315      0.24743
0.27751      0.32645      0.37449      0.45191
  3602597.54 |       0.16227      0.17779      0.19894      0.22040      0.24634
0.27899      0.32459      0.37025      0.43232
  3602347.54 |       0.16046      0.17572      0.19352      0.21429      0.24346
0.27887      0.31378      0.34604      0.37840
  3602097.54 |       0.15891      0.17454      0.19325      0.21287      0.23638
0.25669      0.27767      0.30403      0.32827
  3601847.54 |       0.15857      0.17284      0.18648      0.20071      0.21673
0.22993      0.24860      0.27206      0.30572
  3601597.54 |       0.15467      0.16497      0.17380      0.18348      0.19418
0.20960      0.22872      0.25566      0.29148
  3601347.54 |       0.14602      0.15250      0.15967      0.16872      0.18234
0.19861      0.21933      0.24638      0.27766
  3601097.54 |       0.13538      0.14144      0.15005      0.16277      0.17625
0.19389      0.21398      0.24117      0.26979

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.51712      0.53805      0.51955      0.54944      0.46904
0.33595      0.14971      0.12971      0.04531
  3605847.54 |       0.61533      0.62836      0.67168      0.67136      0.55503
0.39600      0.30481      0.32951      0.11887
  3605597.54 |       0.78081      0.76959      0.77797      0.81623      0.84360
0.52420      0.34317      0.60396      0.57153
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  3605347.54 |       0.99614      1.08736      1.00087      0.98601      0.95329
0.86234      0.76817      0.73300      0.20169
  3605097.54 |       1.02576      1.24603      1.46767      1.58754      1.46203
1.41436      1.24295      0.65835      0.08737
  3604847.54 |       0.97195      1.23778      1.61823      2.06823      2.44112
2.56567      1.85089      1.05837      0.20587
  3604597.54 |       0.88853      1.15904      1.51764      2.08944      2.98994
4.00653      4.17127      1.24316      0.25432
  3604347.54 |       0.81361      1.00665      1.27832      1.80590      2.75390
4.30721      6.89475      8.01942      2.15262
  3604097.54 |       0.68187      0.88316      1.18768      1.63315      2.18932
3.43990      6.66037     14.52550     25.70448
  3603847.54 |       0.65567      0.74093      0.94797      1.20312      1.73110
2.62969      4.52841      8.65762     33.11907
  3603597.54 |       0.61515      0.72740      0.88277      1.14494      1.47162
2.14409      3.64215      5.87853     14.57582
  3603347.54 |       0.56740      0.69187      0.82252      1.08850      1.50209
1.84515      2.56483      4.01057      7.50260
  3603097.54 |       0.55328      0.67272      0.81697      0.98171      1.16277
1.44528      2.05083      2.91296      4.10051
  3602847.54 |       0.54386      0.63949      0.70922      0.81315      0.97981
1.23681      1.65595      2.15605      2.56839
  3602597.54 |       0.49230      0.51957      0.60356      0.73338      0.87262
1.08066      1.34739      1.58873      1.86320
  3602347.54 |       0.40652      0.46211      0.54568      0.65833      0.78727
0.91287      1.08069      1.22975      1.38770
  3602097.54 |       0.36784      0.42066      0.50440      0.58758      0.68267
0.78105      0.89382      0.98449      1.07540
  3601847.54 |       0.34745      0.40072      0.47170      0.52810      0.59402
0.67371      0.75333      0.80889      0.87683
  3601597.54 |       0.33081      0.37948      0.42988      0.47371      0.52719
0.58775      0.64113      0.68937      0.72513
  3601347.54 |       0.31469      0.35491      0.39190      0.43283      0.47810
0.51600      0.55930      0.58949      0.62358
  3601097.54 |       0.30043      0.33025      0.36098      0.39601      0.43144
0.45935      0.48517      0.51743      0.54623

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03343      0.03524      0.02098      0.03744      0.01951
0.01304      0.01144      0.01096      0.00934
  3605847.54 |       0.09949      0.14021      0.03109      0.15122      0.02637
0.02014      0.01439      0.01296      0.01069
  3605597.54 |       0.58023      0.22904      0.14979      0.14884      0.10003
0.05118      0.01874      0.01286      0.01148
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  3605347.54 |       0.12035      0.30298      0.22282      0.21716      0.22537
0.03313      0.02120      0.01552      0.01525
  3605097.54 |       0.06575      0.07012      0.05275      0.03655      0.04325
0.10275      0.02663      0.02160      0.01582
  3604847.54 |       0.08651      0.05143      0.04312      0.03446      0.03115
0.03050      0.03809      0.03318      0.02438
  3604597.54 |       0.14281      0.08983      0.05764      0.04485      0.03448
0.02883      0.03147      0.03288      0.04058
  3604347.54 |       0.50765      0.24608      0.11567      0.10122      0.05463
0.04142      0.03188      0.02998      0.03037
  3604097.54 |      15.22771      2.17678      0.52385      0.21327      0.12521
0.06497      0.04876      0.04335      0.03537
  3603847.54 |     254.22522     10.10956      2.96481      1.15836      0.37078
0.17700      0.11652      0.09697      0.06149
  3603597.54 |      10.70973      1.94395      1.31423      1.12086      0.78842
0.52217      0.33412      0.26145      0.14448
  3603347.54 |      10.42249      1.87207      0.47690      0.76891      1.75068
0.63112      1.04522      0.54367      0.22504
  3603097.54 |       5.53101      4.85669      0.88271      2.61840      2.00642
1.35088      1.19782      0.36566      0.19647
  3602847.54 |       2.86173      2.79857      2.98749      1.99343      1.56502
1.36494      1.11481      0.82037      0.15560
  3602597.54 |       1.97177      1.94325      1.89161      1.57057      1.36801
1.16008      0.98523      0.58105      0.12077
  3602347.54 |       1.50090      1.47048      1.38183      1.28368      1.19132
0.96114      0.85041      0.77393      0.55434
  3602097.54 |       1.14653      1.15328      1.08188      1.05060      0.99590
0.88253      0.78415      0.64567      0.58091
  3601847.54 |       0.91698      0.92819      0.91681      0.87287      0.82426
0.75154      0.70900      0.63482      0.53097
  3601597.54 |       0.76182      0.79419      0.76994      0.73763      0.68471
0.65349      0.61058      0.58401      0.48007
  3601347.54 |       0.64371      0.67719      0.65774      0.63602      0.57466
0.56948      0.55118      0.50265      0.41956
  3601097.54 |       0.55800      0.57655      0.56887      0.55082      0.51191
0.49864      0.48468      0.41970      0.42096

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00748
  3605847.54 |       0.00923      0.00823
  3605597.54 |       0.01053      0.00943
  3605347.54 |       0.01342      0.01088
  3605097.54 |       0.01361      0.01310
  3604847.54 |       0.01877      0.01950
  3604597.54 |       0.03508      0.01959
  3604347.54 |       0.02470      0.02104
  3604097.54 |       0.02911      0.02500
  3603847.54 |       0.04926      0.04355
  3603597.54 |       0.10473      0.07293
  3603347.54 |       0.11345      0.09083
  3603097.54 |       0.13399      0.10339
  3602847.54 |       0.11080      0.11996
  3602597.54 |       0.11121      0.14112
  3602347.54 |       0.32029      0.39346
  3602097.54 |       0.52653      0.47653
  3601847.54 |       0.46145      0.41842
  3601597.54 |       0.45047      0.37642
  3601347.54 |       0.39161      0.37035
  3601097.54 |       0.35262      0.34686

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.98283                      507708.67
3603932.32        3.51390
         506203.59    3603369.23        0.50328                      507919.87
3604794.52        1.72281
         507037.89    3604916.08        1.87323

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5      ***
                                 INCLUDING SOURCE(S):     CR5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
  3606097.54 |       0.26539      0.29913      0.33917      0.39192      0.42454
0.49789      0.53604      0.53687      0.49715
  3605847.54 |       0.26074      0.29765      0.33844      0.40487      0.47011
0.53146      0.58833      0.64485      0.61638
  3605597.54 |       0.25030      0.28344      0.33816      0.40336      0.46916
0.54362      0.62757      0.72153      0.80274
  3605347.54 |       0.28052      0.28949      0.30732      0.34379      0.43274
0.51930      0.61561      0.73932      0.86501
  3605097.54 |       0.28082      0.31150      0.34349      0.35041      0.38608
0.45027      0.58155      0.69862      0.84811
  3604847.54 |       0.26835      0.29803      0.32365      0.36056      0.43520
0.44060      0.50128      0.64666      0.77831
  3604597.54 |       0.25160      0.27843      0.31312      0.36428      0.43290
0.44689      0.52484      0.56711      0.70371
  3604347.54 |       0.23756      0.26050      0.29204      0.33305      0.38786
0.45341      0.53224      0.60892      0.63194
  3604097.54 |       0.22164      0.25101      0.27513      0.30825      0.35152
0.40668      0.49461      0.57179      0.61240
  3603847.54 |       0.20507      0.22886      0.26285      0.29024      0.33426
0.38717      0.43781      0.48477      0.57157
  3603597.54 |       0.19127      0.20979      0.23790      0.26574      0.29293
0.33662      0.37561      0.42399      0.49937
  3603347.54 |       0.18050      0.19951      0.22207      0.24461      0.27235
0.30594      0.34727      0.39860      0.47774
  3603097.54 |       0.17325      0.18919      0.20727      0.23775      0.25789
0.28621      0.33494      0.37975      0.45965
  3602847.54 |       0.16649      0.18225      0.20451      0.22391      0.24820
0.27831      0.32737      0.37545      0.45335
  3602597.54 |       0.16267      0.17820      0.19941      0.22091      0.24685
0.27952      0.32542      0.37221      0.43705
  3602347.54 |       0.16077      0.17605      0.19382      0.21458      0.24396
0.28012      0.31653      0.35067      0.38423
  3602097.54 |       0.15911      0.17473      0.19359      0.21366      0.23806
0.25949      0.28136      0.30788      0.33138
  3601847.54 |       0.15881      0.17340      0.18759      0.20254      0.21924
0.23265      0.25106      0.27404      0.30743
  3601597.54 |       0.15548      0.16627      0.17555      0.18547      0.19609
0.21122      0.23005      0.25690      0.29281
  3601347.54 |       0.14733      0.15402      0.16121      0.17008      0.18348
0.19959      0.22027      0.24739      0.27886
  3601097.54 |       0.13663      0.14261      0.15104      0.16362      0.17701
0.19466      0.21479      0.24213      0.27111

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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  3606097.54 |       0.50679      0.52747      0.50746      0.53341      0.45631
0.32833      0.14534      0.12644      0.04455
  3605847.54 |       0.60207      0.61414      0.65658      0.65282      0.53086
0.38463      0.29537      0.31935      0.11578
  3605597.54 |       0.76752      0.75111      0.75759      0.79429      0.80661
0.50082      0.33237      0.58872      0.55826
  3605347.54 |       0.98808      1.06940      0.97402      0.95498      0.91982
0.82710      0.74404      0.71288      0.19465
  3605097.54 |       1.03001      1.24040      1.44396      1.54303      1.41048
1.35513      1.18379      0.62879      0.08452
  3604847.54 |       0.98072      1.24897      1.62139      2.03992      2.36010
2.44331      1.70374      1.00121      0.19716
  3604597.54 |       0.89338      1.16720      1.53351      2.11077      2.97317
3.84932      3.89737      1.12641      0.23910
  3604347.54 |       0.82405      1.01877      1.29129      1.82387      2.78999
4.35398      6.65614      7.26190      1.95189
  3604097.54 |       0.69096      0.89695      1.20964      1.66834      2.24066
3.52270      6.81889     14.56997     20.69754
  3603847.54 |       0.66692      0.75457      0.96785      1.23189      1.78123
2.72493      4.74764      9.26478     37.82732
  3603597.54 |       0.62255      0.73682      0.89495      1.16170      1.49257
2.17211      3.70609      6.20020     15.76230
  3603347.54 |       0.57190      0.69696      0.82777      1.09513      1.51896
1.89690      2.63836      4.13382      8.04224
  3603097.54 |       0.55539      0.67549      0.82371      1.00026      1.19212
1.46806      2.08767      3.01519      4.31535
  3602847.54 |       0.54747      0.64859      0.72383      0.82748      0.99030
1.25190      1.69382      2.22586      2.67194
  3602597.54 |       0.50057      0.52831      0.61084      0.73957      0.88081
1.09836      1.37737      1.63449      1.92454
  3602347.54 |       0.41167      0.46612      0.54937      0.66340      0.79709
0.92849      1.10321      1.26085      1.42613
  3602097.54 |       0.37031      0.42304      0.50762      0.59325      0.69222
0.79366      0.91140      1.00646      1.10113
  3601847.54 |       0.34920      0.40291      0.47542      0.53416      0.60206
0.68405      0.76715      0.82497      0.89535
  3601597.54 |       0.33240      0.38195      0.43401      0.47929      0.53390
0.59647      0.65199      0.70177      0.73882
  3601347.54 |       0.31643      0.35776      0.39596      0.43773      0.48397
0.52336      0.56806      0.59915      0.63428
  3601097.54 |       0.30249      0.33325      0.36468      0.40025      0.43662
0.46561      0.49218      0.52526      0.55485

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
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  3606097.54 |       0.03293      0.03468      0.02073      0.03678      0.01928
0.01291      0.01131      0.01085      0.00929
  3605847.54 |       0.09728      0.13639      0.03056      0.14741      0.02601
0.01981      0.01425      0.01290      0.01064
  3605597.54 |       0.56598      0.22217      0.14570      0.14428      0.09632
0.05133      0.01864      0.01279      0.01138
  3605347.54 |       0.11721      0.29320      0.21603      0.20910      0.21959
0.03299      0.02123      0.01531      0.01506
  3605097.54 |       0.06382      0.06822      0.05144      0.03564      0.04307
0.09866      0.02591      0.02120      0.01564
  3604847.54 |       0.08286      0.04960      0.04202      0.03382      0.03096
0.02964      0.03700      0.03249      0.02386
  3604597.54 |       0.13545      0.08593      0.05592      0.04412      0.03363
0.02795      0.03042      0.03187      0.03906
  3604347.54 |       0.46779      0.23129      0.11132      0.09615      0.05193
0.04009      0.03105      0.02893      0.02908
  3604097.54 |      12.79334      1.94250      0.45609      0.19108      0.11489
0.06080      0.04629      0.04147      0.03403
  3603847.54 |     197.42609      8.08967      2.55550      1.02684      0.32760
0.16012      0.10716      0.09009      0.05778
  3603597.54 |      11.26876      2.26029      1.45722      1.13529      0.77790
0.51072      0.32395      0.25233      0.13825
  3603347.54 |      11.37226      1.90725      0.51456      0.81505      1.78741
0.64237      1.04357      0.53745      0.22295
  3603097.54 |       5.87086      5.10730      0.87900      2.65629      2.04941
1.38061      1.22039      0.37015      0.19859
  3602847.54 |       2.98670      2.90716      3.08792      2.03197      1.58872
1.38306      1.13465      0.83522      0.16064
  3602597.54 |       2.04071      2.00573      1.94742      1.60731      1.38761
1.17435      0.99658      0.58008      0.12338
  3602347.54 |       1.54466      1.51088      1.41619      1.31446      1.21113
0.97186      0.85915      0.78106      0.55406
  3602097.54 |       1.17520      1.18093      1.10585      1.07241      1.01502
0.89348      0.78777      0.64841      0.58598
  3601847.54 |       0.93706      0.94791      0.93526      0.88899      0.83951
0.76230      0.71627      0.63782      0.53510
  3601597.54 |       0.77668      0.80944      0.78395      0.75028      0.69571
0.66383      0.61733      0.58917      0.48347
  3601347.54 |       0.65504      0.68903      0.66867      0.64623      0.58290
0.57800      0.55836      0.50715      0.42256
  3601097.54 |       0.56697      0.58576      0.57758      0.55902      0.51889
0.50524      0.49129      0.42390      0.42418

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00832      0.00744
  3605847.54 |       0.00917      0.00817
  3605597.54 |       0.01043      0.00938
  3605347.54 |       0.01330      0.01076
  3605097.54 |       0.01333      0.01278
  3604847.54 |       0.01836      0.01916
  3604597.54 |       0.03400      0.01922
  3604347.54 |       0.02374      0.02038
  3604097.54 |       0.02815      0.02425
  3603847.54 |       0.04662      0.04145
  3603597.54 |       0.10019      0.06986
  3603347.54 |       0.11170      0.08912
  3603097.54 |       0.13463      0.10320
  3602847.54 |       0.11382      0.12150
  3602597.54 |       0.11458      0.14402
  3602347.54 |       0.31905      0.39584
  3602097.54 |       0.53060      0.48038
  3601847.54 |       0.46503      0.42132
  3601597.54 |       0.45363      0.37903
  3601347.54 |       0.39405      0.37270
  3601097.54 |       0.35486      0.34888

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       21.15984                      507708.67
3603932.32        3.64915
         506203.59    3603369.23        0.50755                      507919.87
3604794.52        1.57468
         507037.89    3604916.08        1.84704

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB1     ***
                                  INCLUDING SOURCE(S):     CTB1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

Y-COORD (METERS)	X-COORD (METERS) 504118.86	504368.86	504618.86	504868.86	505118.86	505368.86	505618.86	505868.86	506118.86
3606097.54	0.26856	0.30268	0.34246	0.39374	0.42303	0.49282	0.52690	0.52326	0.47912
3605847.54	0.26345	0.30157	0.34333	0.41068	0.47514	0.53300	0.58427	0.63456	0.59957
3605597.54	0.25125	0.28562	0.34240	0.40992	0.47754	0.55255	0.63384	0.72058	0.79178
3605347.54	0.28183	0.29063	0.30878	0.34664	0.43900	0.52925	0.62863	0.75269	0.87122
3605097.54	0.28390	0.31455	0.34636	0.35267	0.38862	0.45481	0.59137	0.71468	0.86961
3604847.54	0.27230	0.30263	0.32865	0.36591	0.44133	0.44560	0.50649	0.65547	0.79381
3604597.54	0.25486	0.28248	0.31825	0.37101	0.44169	0.45632	0.53614	0.57825	0.71676
3604347.54	0.24067	0.26414	0.29647	0.33861	0.39507	0.46291	0.54493	0.62548	0.65048
3604097.54	0.22524	0.25536	0.28018	0.31427	0.35890	0.41591	0.50683	0.58730	0.63052
3603847.54	0.20862	0.23312	0.26816	0.29655	0.34219	0.39721	0.45022	0.49975	0.59126
3603597.54	0.19373	0.21269	0.24147	0.27007	0.29809	0.34315	0.38358	0.43390	0.51248
3603347.54	0.18244	0.20190	0.22502	0.24821	0.27678	0.31144	0.35411	0.40712	0.48878
3603097.54	0.17535	0.19165	0.21013	0.24121	0.26169	0.29044	0.33997	0.38546	0.46675
3602847.54	0.16822	0.18409	0.20655	0.22611	0.25065	0.28106	0.33060	0.37899	0.45852
3602597.54	0.16375	0.17943	0.20082	0.22241	0.24836	0.28116	0.32811	0.37784	0.44845
3602347.54	0.16156	0.17679	0.19448	0.21533	0.24550	0.28365	0.32319	0.36041	0.39516
3602097.54	0.15935	0.17511	0.19458	0.21592	0.24221	0.26543	0.28819	0.31446	0.33708
3601847.54	0.15951	0.17500	0.19037	0.20648	0.22389	0.23712	0.25499	0.27768	0.31156
3601597.54	0.15750	0.16909	0.17882	0.18873	0.19895	0.21372	0.23253	0.25983	0.29662
3601347.54	0.14979	0.15651	0.16343	0.17196	0.18520	0.20141	0.22247	0.25019	0.28261
3601097.54	0.13842	0.14411	0.15234	0.16489	0.17842	0.19638	0.21693	0.24498	0.27509

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 97
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506368.86	506618.86	506868.86	507118.86	507368.86	507618.86	507868.86	508118.86	508368.86
3606097.54	0.48649	0.50695	0.48254	0.49726	0.42849	0.31843	0.13956	0.12216	0.04375
3605847.54	0.57828	0.58700	0.62769	0.61360	0.48441	0.36963	0.28151	0.30272	0.11241
3605597.54	0.74645	0.71875	0.71985	0.75273	0.73312	0.46363	0.31981	0.55997	0.53435
3605347.54	0.97926	1.04203	0.92826	0.89955	0.85733	0.75243	0.69791	0.67520	0.18438
3605097.54	1.04929	1.24077	1.41030	1.46731	1.31938	1.23998	1.06411	0.58465	0.07933
3604847.54	1.00848	1.28761	1.64813	2.00651	2.22629	2.23533	1.44521	0.93178	0.18419
3604597.54	0.91058	1.19667	1.58963	2.19189	2.98253	3.60073	3.45540	0.97424	0.21538
3604347.54	0.85091	1.05264	1.33306	1.89018	2.93452	4.55562	6.27474	6.02443	1.67374
3604097.54	0.71366	0.93158	1.26584	1.76184	2.38495	3.77427	7.44647	14.79644	13.61667
3603847.54	0.69258	0.78733	1.01658	1.30571	1.91171	2.98195	5.37623	11.25480	58.64369
3603597.54	0.64131	0.76187	0.92954	1.21343	1.56731	2.29483	3.96859	7.14289	20.13887
3603347.54	0.58588	0.71471	0.84917	1.12540	1.57663	2.02751	2.85899	4.57702	9.42353
3603097.54	0.56405	0.68694	0.84465	1.04539	1.26039	1.54043	2.22139	3.29417	4.79490
3602847.54	0.55810	0.67058	0.75528	0.85982	1.02465	1.30817	1.79715	2.39550	2.89016
3602597.54	0.51797	0.54561	0.62743	0.75961	0.91079	1.14790	1.45114	1.73555	2.04743
3602347.54	0.42132	0.47554	0.56124	0.68143	0.82528	0.96560	1.15604	1.32482	1.50010
3602097.54	0.37625	0.43052	0.51885	0.61016	0.71450	0.82270	0.94935	1.04956	1.14871
3601847.54	0.35447	0.41032	0.48667	0.54858	0.61937	0.70739	0.79468	0.85544	0.92829
3601597.54	0.33760	0.38953	0.44406	0.49073	0.54844	0.61488	0.67239	0.72450	0.76234
3601347.54	0.32179	0.36494	0.40420	0.44739	0.49661	0.53771	0.58379	0.61633	0.65199
3601097.54	0.30779	0.33943	0.37148	0.40887	0.44723	0.47701	0.50433	0.53875	0.56862

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 98
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	508618.86	508868.86	509118.86	509368.86	509618.86	509868.86	510118.86	510368.86	510618.86
3606097.54	0.03219	0.03434	0.02006	0.03663	0.01892	0.01231	0.01092	0.01048	0.00899
3605847.54	0.09540	0.13518	0.02997	0.14398	0.02558	0.01949	0.01371	0.01250	0.01035
3605597.54	0.54211	0.21684	0.14296	0.14140	0.09492	0.05200	0.01827	0.01240	0.01098
3605347.54	0.11370	0.28246	0.20977	0.20249	0.21670	0.03262	0.02114	0.01469	0.01469
3605097.54	0.06045	0.06540	0.04971	0.03395	0.04228	0.09620	0.02476	0.02067	0.01511
3604847.54	0.07673	0.04582	0.03881	0.03184	0.02979	0.02820	0.03599	0.03179	0.02313
3604597.54	0.12234	0.07884	0.05178	0.04152	0.03161	0.02604	0.02857	0.03028	0.03705
3604347.54	0.42023	0.20878	0.10260	0.08898	0.04697	0.03705	0.02919	0.02685	0.02680
3604097.54	9.63768	1.68579	0.39732	0.16227	0.09925	0.05335	0.04172	0.03788	0.03135
3603847.54	49.47442	5.23844	1.96733	0.83242	0.25978	0.13113	0.09036	0.07806	0.05069
3603597.54	13.97522	3.12011	1.59059	1.10681	0.74597	0.48588	0.30255	0.23517	0.12573
3603347.54	13.10941	1.99946	0.60372	0.93884	1.86777	0.66479	1.04537	0.53433	0.21888
3603097.54	6.49193	5.46009	0.90837	2.65048	2.07331	1.44108	1.25165	0.38501	0.20138
3602847.54	3.21515	3.05468	3.20129	2.03868	1.58561	1.38128	1.14852	0.86439	0.17069
3602597.54	2.16576	2.08918	2.02083	1.64257	1.38656	1.16969	0.99347	0.58503	0.12988
3602347.54	1.62233	1.56377	1.46015	1.35594	1.22105	0.96908	0.85523	0.77691	0.55367
3602097.54	1.22519	1.21694	1.13580	1.09911	1.03752	0.89495	0.78550	0.64891	0.58382
3601847.54	0.97139	0.97373	0.95665	0.90821	0.85891	0.77081	0.71561	0.63492	0.53217
3601597.54	0.80149	0.82945	0.79899	0.76555	0.70799	0.67669	0.61942	0.58793	0.48099
3601347.54	0.67349	0.70460	0.67985	0.65794	0.59186	0.58796	0.56569	0.50665	0.42117
3601097.54	0.58119	0.59788	0.58635	0.56747	0.52688	0.51187	0.49933	0.42641	0.42291

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 99
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	510868.86	511118.86
3606097.54	0.00809	0.00720
3605847.54	0.00888	0.00788
3605597.54	0.01006	0.00918
3605347.54	0.01301	0.01035
3605097.54	0.01270	0.01215
3604847.54	0.01754	0.01851
3604597.54	0.03278	0.01856
3604347.54	0.02186	0.01902
3604097.54	0.02610	0.02259
3603847.54	0.04149	0.03735
3603597.54	0.09099	0.06315
3603347.54	0.10568	0.08404
3603097.54	0.13371	0.10053
3602847.54	0.11821	0.12396
3602597.54	0.12207	0.15125
3602347.54	0.32186	0.40407
3602097.54	0.52797	0.47843
3601847.54	0.46323	0.41944
3601597.54	0.45094	0.37744
3601347.54	0.39183	0.37048
3601097.54	0.35359	0.34687

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 100
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TAC IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
508226.78	3603955.63	25.27468	507708.67	3603932.32	4.02274
506203.59	3603369.23	0.51983	507919.87	3604794.52	1.32607
507037.89	3604916.08	1.81463			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 101
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: CTB2 ***
INCLUDING SOURCE(S): CTB2 ,

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26703      0.30101      0.34077      0.39201      0.42197
0.49149      0.52622      0.52391      0.48160
  3605847.54 |       0.26178      0.29946      0.34089      0.40754      0.47181
0.53006      0.58208      0.63327      0.60105
  3605597.54 |       0.25000      0.28383      0.33961      0.40609      0.47297
0.54754      0.62902      0.71656      0.78920
  3605347.54 |       0.28014      0.28902      0.30711      0.34444      0.43488
0.52362      0.62178      0.74511      0.86447
  3605097.54 |       0.28192      0.31237      0.34396      0.35064      0.38633
0.45135      0.58487      0.70586      0.85868
  3604847.54 |       0.27009      0.30013      0.32602      0.36305      0.43756
0.44265      0.50305      0.64875      0.78398
  3604597.54 |       0.25283      0.28010      0.31538      0.36739      0.43719
0.45183      0.53068      0.57350      0.70991
  3604347.54 |       0.23886      0.26206      0.29398      0.33551      0.39112
0.45789      0.53853      0.61745      0.64328
  3604097.54 |       0.22352      0.25325      0.27777      0.31142      0.35540
0.41154      0.50117      0.58012      0.62263
  3603847.54 |       0.20697      0.23114      0.26570      0.29368      0.33865
0.39286      0.44489      0.49344      0.58311
  3603597.54 |       0.19230      0.21104      0.23945      0.26768      0.29534
0.33973      0.37956      0.42913      0.50632
  3603347.54 |       0.18124      0.20049      0.22334      0.24625      0.27447
0.30867      0.35073      0.40294      0.48324
  3603097.54 |       0.17421      0.19035      0.20863      0.23931      0.25958
0.28802      0.33688      0.38179      0.46189
  3602847.54 |       0.16716      0.18289      0.20512      0.22450      0.24880
0.27888      0.32776      0.37554      0.45398
  3602597.54 |       0.16279      0.17833      0.19951      0.22088      0.24656
0.27900      0.32539      0.37444      0.44392
  3602347.54 |       0.16064      0.17573      0.19327      0.21394      0.24378
0.28146      0.32043      0.35703      0.39122
  3602097.54 |       0.15846      0.17410      0.19339      0.21451      0.24045
0.26332      0.28574      0.31167      0.33399
  3601847.54 |       0.15864      0.17398      0.18918      0.20507      0.22223
0.23530      0.25297      0.27540      0.30884
  3601597.54 |       0.15660      0.16805      0.17766      0.18745      0.19756
0.21218      0.23080      0.25778      0.29410
  3601347.54 |       0.14890      0.15555      0.16240      0.17085      0.18397
0.20002      0.22085      0.24825      0.28028
  3601097.54 |       0.13762      0.14327      0.15142      0.16387      0.17727
0.19505      0.21538      0.24311      0.27289

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2     ***
                                  INCLUDING SOURCE(S):     CTB2        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48875      0.50883      0.48599      0.50351      0.43323
0.32310      0.14553      0.12702      0.04488
  3605847.54 |       0.58166      0.59015      0.63035      0.61890      0.49947
0.37647      0.29155      0.31141      0.11672
  3605597.54 |       0.74795      0.72340      0.72459      0.75764      0.75352
0.47794      0.33185      0.56379      0.53617
  3605347.54 |       0.97467      1.04110      0.93476      0.90741      0.86830
0.76468      0.70211      0.67876      0.19404
  3605097.54 |       1.03798      1.23196      1.40686      1.47192      1.32877
1.25689      1.08043      0.61195      0.08104
  3604847.54 |       0.99378      1.26857      1.62921      1.99678      2.23630
2.26445      1.53893      0.96953      0.19256
  3604597.54 |       0.89986      1.17874      1.56082      2.15240      2.95308
3.62964      3.53457      1.05546      0.22363
  3604347.54 |       0.83942      1.03818      1.31432      1.85557      2.86363
4.45494      6.28011      6.20174      1.84110
  3604097.54 |       0.70511      0.91761      1.24234      1.72319      2.32907
3.67004      7.16035     14.51529     14.64713
  3603847.54 |       0.68235      0.77595      0.99932      1.28124      1.86528
2.88864      5.14532     10.58042     51.30727
  3603597.54 |       0.63265      0.75059      0.91435      1.19072      1.53483
2.23774      3.83932      6.82828     18.57931
  3603347.54 |       0.57869      0.70519      0.83687      1.10689      1.54670
1.98122      2.77700      4.41881      9.00900
  3603097.54 |       0.55772      0.67853      0.83299      1.02845      1.23688
1.50896      2.16778      3.20651      4.66188
  3602847.54 |       0.55208      0.66240      0.74467      0.84680      1.00768
1.28461      1.76164      2.34521      2.83321
  3602597.54 |       0.51227      0.53908      0.61948      0.74896      0.89694
1.12977      1.42627      1.70775      2.01371
  3602347.54 |       0.41696      0.47033      0.55452      0.67245      0.81397
0.95237      1.13963      1.30723      1.47975
  3602097.54 |       0.37262      0.42608      0.51295      0.60300      0.70600
0.81248      0.93794      1.03745      1.13560
  3601847.54 |       0.35116      0.40621      0.48149      0.54284      0.61270
0.69953      0.78629      0.84667      0.91879
  3601597.54 |       0.33455      0.38583      0.43979      0.48602      0.54290
0.60881      0.66602      0.71757      0.75538
  3601347.54 |       0.31901      0.36173      0.40063      0.44324      0.49186
0.53294      0.57861      0.61095      0.64638
  3601097.54 |       0.30528      0.33666      0.36836      0.40523      0.44330
0.47309      0.50022      0.53432      0.56394

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2     ***
                                  INCLUDING SOURCE(S):     CTB2        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03256      0.03476      0.02026      0.03734      0.01908
0.01241      0.01099      0.01053      0.00904
  3605847.54 |       0.09947      0.13953      0.03035      0.14822      0.02590
0.01962      0.01380      0.01258      0.01041
  3605597.54 |       0.54647      0.22388      0.14857      0.14625      0.09812
0.05369      0.01844      0.01248      0.01105
  3605347.54 |       0.11895      0.29329      0.21799      0.20975      0.22420
0.03313      0.02140      0.01478      0.01479
  3605097.54 |       0.06146      0.06683      0.05046      0.03431      0.04305
0.10050      0.02505      0.02088      0.01524
  3604847.54 |       0.07861      0.04639      0.03945      0.03228      0.03020
0.02856      0.03661      0.03231      0.02343
  3604597.54 |       0.12561      0.08050      0.05272      0.04224      0.03203
0.02636      0.02895      0.03076      0.03789
  3604347.54 |       0.44366      0.21525      0.10576      0.09176      0.04785
0.03761      0.02954      0.02727      0.02718
  3604097.54 |      10.18046      1.85887      0.42224      0.16900      0.10243
0.05466      0.04255      0.03859      0.03179
  3603847.54 |      86.75696      6.00980      2.16267      0.89438      0.27339
0.13634      0.09331      0.08031      0.05188
  3603597.54 |      14.59871      3.00587      1.61311      1.13967      0.76869
0.50072      0.31167      0.24224      0.12898
  3603347.54 |      12.75230      2.09687      0.59089      0.93455      1.91935
0.67838      1.07937      0.55096      0.22238
  3603097.54 |       6.35368      5.40164      0.94170      2.68997      2.07371
1.45580      1.26584      0.39067      0.20327
  3602847.54 |       3.16614      3.02717      3.09033      2.04296      1.58660
1.38821      1.14643      0.87147      0.17064
  3602597.54 |       2.13819      2.07366      2.00478      1.64043      1.38823
1.17050      0.99492      0.59901      0.12973
  3602347.54 |       1.60307      1.55302      1.45180      1.34728      1.22015
0.97021      0.85533      0.77911      0.56246
  3602097.54 |       1.21279      1.20918      1.12982      1.09285      1.03323
0.89472      0.79478      0.65642      0.58363
  3601847.54 |       0.96263      0.96795      0.95105      0.90390      0.85390
0.76969      0.71533      0.64043      0.53202
  3601597.54 |       0.79475      0.82413      0.79464      0.76179      0.70482
0.67377      0.61902      0.58777      0.48115
  3601347.54 |       0.66821      0.70015      0.67639      0.65452      0.59000
0.58503      0.56410      0.50643      0.42143
  3601097.54 |       0.57682      0.59432      0.58351      0.56462      0.52501
0.50985      0.49705      0.42637      0.42270

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2     ***
                                 INCLUDING SOURCE(S):     CTB2        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00813      0.00723
  3605847.54 |       0.00892      0.00791
  3605597.54 |       0.01011      0.00923
  3605347.54 |       0.01311      0.01041
  3605097.54 |       0.01284      0.01224
  3604847.54 |       0.01769      0.01867
  3604597.54 |       0.03337      0.01871
  3604347.54 |       0.02218      0.01925
  3604097.54 |       0.02642      0.02284
  3603847.54 |       0.04235      0.03805
  3603597.54 |       0.09312      0.06446
  3603347.54 |       0.10717      0.08525
  3603097.54 |       0.13479      0.10149
  3602847.54 |       0.11809      0.12460
  3602597.54 |       0.12171      0.15196
  3602347.54 |       0.33007      0.40893
  3602097.54 |       0.52820      0.47858
  3601847.54 |       0.46295      0.41929
  3601597.54 |       0.45083      0.37723
  3601347.54 |       0.39198      0.37031
  3601097.54 |       0.35379      0.34688

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2     ***
                                 INCLUDING SOURCE(S):     CTB2        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       23.59590                     507708.67
3603932.32        3.88215
         506203.59    3603369.23        0.51374                     507919.87
3604794.52        1.42833
         507037.89    3604916.08        1.80675

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 106
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1     ***
                                  INCLUDING SOURCE(S):     DST1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.31646      0.35941      0.41303      0.48872      0.54063
0.65176      0.71218      0.71336      0.65476
  3605847.54 |       0.30364      0.35023      0.40412      0.49209      0.58280
0.67681      0.76996      0.86496      0.83092
  3605597.54 |       0.29771      0.33264      0.39628      0.47665      0.56360
0.66646      0.78990      0.94232      1.08629
  3605347.54 |       0.34025      0.35141      0.37023      0.40857      0.51037
0.61313      0.74015      0.91433      1.11496
  3605097.54 |       0.32730      0.36918      0.41287      0.42347      0.46885
0.54468      0.69732      0.82917      1.02376
  3604847.54 |       0.29812      0.33227      0.36420      0.41159      0.50844
0.52287      0.60648      0.79613      0.95446
  3604597.54 |       0.27877      0.30848      0.34689      0.40351      0.47972
0.49615      0.58861      0.64378      0.82529
  3604347.54 |       0.25430      0.27998      0.31530      0.36130      0.42305
0.49659      0.58420      0.67005      0.69043
  3604097.54 |       0.22072      0.25085      0.27499      0.30839      0.35236
0.40890      0.49843      0.57836      0.61984
  3603847.54 |       0.19582      0.21847      0.25122      0.27765      0.32031
0.37089      0.42142      0.46831      0.55460
  3603597.54 |       0.18840      0.20781      0.23709      0.26649      0.29464
0.33932      0.37700      0.42117      0.48838
  3603347.54 |       0.18172      0.19947      0.21932      0.23727      0.25863
0.28571      0.32216      0.37439      0.46070
  3603097.54 |       0.16036      0.17223      0.18778      0.21736      0.24066
0.27423      0.32687      0.37429      0.46503
  3602847.54 |       0.15148      0.16975      0.19506      0.21659      0.24062
0.27192      0.32937      0.39658      0.48457
  3602597.54 |       0.15623      0.17097      0.19155      0.21422      0.24744
0.29279      0.34610      0.37598      0.40155
  3602347.54 |       0.15287      0.17023      0.19402      0.22326      0.25779
0.28578      0.29926      0.31408      0.34928
  3602097.54 |       0.15872      0.18085      0.20343      0.21949      0.23065
0.23701      0.25342      0.28689      0.33136
  3601847.54 |       0.16630      0.17856      0.18483      0.18905      0.19823
0.21226      0.23935      0.27680      0.32233
  3601597.54 |       0.15481      0.15780      0.16042      0.16803      0.18148
0.20443      0.23407      0.26866      0.31801
  3601347.54 |       0.13632      0.13978      0.14675      0.15919      0.17940
0.20353      0.22935      0.26624      0.31681
  3601097.54 |       0.12403      0.13062      0.14264      0.16106      0.18034
0.20182      0.22906      0.27163      0.31565

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1     ***
                                  INCLUDING SOURCE(S):     DST1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.64161      0.64523      0.60212      0.55442      0.38900
0.34731      0.15181      0.12996      0.04929
  3605847.54 |       0.81111      0.79390      0.82053      0.77583      0.56765
0.41961      0.31165      0.27227      0.12119
  3605597.54 |       1.05520      1.04141      1.00759      1.01794      0.98009
0.54470      0.38951      0.37782      0.28652
  3605347.54 |       1.34045      1.51211      1.40058      1.32447      1.22303
0.91096      0.66770      0.51840      0.19410
  3605097.54 |       1.29695      1.66736      2.08920      2.34385      2.06275
1.87084      1.20047      0.71120      0.10151
  3604847.54 |       1.18361      1.52364      2.11437      2.98364      3.84139
3.95675      2.60448      1.33719      0.22992
  3604597.54 |       1.08793      1.46112      1.91796      2.64918      4.19880
6.79012      7.45342      1.62332      0.32528
  3604347.54 |       0.91027      1.13889      1.48355      2.21336      3.61424
5.92148     12.15582     20.49810      2.80286
  3604097.54 |       0.69873      0.91458      1.24630      1.73713      2.35763
3.83962      8.16688     23.00458    411.72697
  3603847.54 |       0.65018      0.73328      0.94506      1.19389      1.71879
2.63998      4.98098     10.08013     47.15936
  3603597.54 |       0.59778      0.70378      0.87264      1.17984      1.63344
2.41898      3.70732      7.70861     13.72168
  3603347.54 |       0.56606      0.70861      0.89567      1.19602      1.41896
1.86876      3.29044      4.77676      7.09295
  3603097.54 |       0.59180      0.72683      0.79487      0.90363      1.20979
1.78448      2.45505      3.28907      4.12384
  3602847.54 |       0.54007      0.57805      0.66657      0.85825      1.16835
1.50430      1.93177      2.39494      2.67478
  3602597.54 |       0.44285      0.50548      0.63996      0.84755      1.06576
1.23914      1.58709      1.77584      1.99407
  3602347.54 |       0.40439      0.49103      0.61973      0.79470      0.91809
1.05930      1.25780      1.39329      1.50817
  3602097.54 |       0.38996      0.47114      0.60036      0.69797      0.77554
0.92629      1.03162      1.12844      1.18328
  3601847.54 |       0.38343      0.46940      0.56303      0.60385      0.68845
0.80361      0.87095      0.93663      0.97666
  3601597.54 |       0.38176      0.45155      0.50077      0.53648      0.62688
0.69755      0.74585      0.80535      0.81528
  3601347.54 |       0.37202      0.41890      0.44320      0.50112      0.57502
0.60906      0.65615      0.69077      0.70638
  3601097.54 |       0.35618      0.37921      0.40795      0.47036      0.52016
0.54131      0.57497      0.60774      0.62313

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1     ***
                                  INCLUDING SOURCE(S):     DST1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03455      0.03214      0.01836      0.03749      0.01771
0.01242      0.01222      0.01124      0.00889
  3605847.54 |       0.08402      0.12013      0.03057      0.13037      0.02864
0.02050      0.01462      0.01244      0.01029
  3605597.54 |       0.24501      0.17041      0.12802      0.13865      0.10671
0.04011      0.01644      0.01218      0.01126
  3605347.54 |       0.11868      0.22375      0.20065      0.24198      0.13056
0.02827      0.02028      0.01515      0.01396
  3605097.54 |       0.06751      0.07615      0.05682      0.03697      0.03517
0.10677      0.02855      0.02099      0.01655
  3604847.54 |       0.07859      0.04930      0.04572      0.03146      0.02992
0.03030      0.04092      0.03354      0.02645
  3604597.54 |       0.15238      0.09467      0.05322      0.04314      0.03843
0.03315      0.03288      0.03504      0.05062
  3604347.54 |       0.81520      0.22266      0.14189      0.13038      0.06247
0.04869      0.03833      0.03675      0.03616
  3604097.54 |      23.53442      5.16285      1.20623      0.38545      0.19107
0.08510      0.05971      0.05195      0.04088
  3603847.54 |      28.80812      7.48398      3.57373      1.60129      0.56330
0.26384      0.16484      0.13283      0.07973
  3603597.54 |       7.89408      1.06019      0.62001      0.80063      0.73484
0.54972      0.36999      0.29723      0.17366
  3603347.54 |       7.25784      1.65563      0.34099      0.58915      1.32338
0.55352      0.92159      0.56325      0.24407
  3603097.54 |       4.60359      3.74580      0.83035      1.96520      1.49261
1.08014      0.92351      0.34389      0.18793
  3602847.54 |       2.69337      2.49801      2.35745      1.59332      1.24515
1.07323      0.85898      0.67488      0.13326
  3602597.54 |       1.96056      1.79977      1.71066      1.40603      1.12743
0.95050      0.81080      0.53487      0.11663
  3602347.54 |       1.55858      1.41460      1.34365      1.18869      1.06574
0.81308      0.71829      0.64893      0.49915
  3602097.54 |       1.22119      1.15449      1.08059      1.00657      0.95233
0.78355      0.68220      0.58123      0.50385
  3601847.54 |       0.99632      0.95947      0.92068      0.88215      0.79286
0.72392      0.62618      0.55864      0.46595
  3601597.54 |       0.84367      0.84245      0.78105      0.77154      0.67698
0.64487      0.58118      0.51611      0.42613
  3601347.54 |       0.72237      0.73249      0.68082      0.66967      0.59173
0.56157      0.55206      0.47118      0.37496
  3601097.54 |       0.63270      0.63164      0.60248      0.57489      0.54695
0.50307      0.48691      0.41721      0.38967

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 109
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1     ***
                                  INCLUDING SOURCE(S):     DST1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00797      0.00722
  3605847.54 |       0.00906      0.00741
  3605597.54 |       0.00946      0.00838
  3605347.54 |       0.01284      0.01142
  3605097.54 |       0.01548      0.01438
  3604847.54 |       0.01782      0.01825
  3604597.54 |       0.04262      0.02240
  3604347.54 |       0.02742      0.02234
  3604097.54 |       0.03262      0.02752
  3603847.54 |       0.06185      0.05384
  3603597.54 |       0.12825      0.08841
  3603347.54 |       0.12984      0.10537
  3603097.54 |       0.13667      0.11033
  3602847.54 |       0.09913      0.11543
  3602597.54 |       0.09815      0.13110
  3602347.54 |       0.32028      0.36669
  3602097.54 |       0.45265      0.40135
  3601847.54 |       0.40742      0.36791
  3601597.54 |       0.39984      0.33691
  3601347.54 |       0.35133      0.33343
  3601097.54 |       0.31783      0.31409

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1     ***
                                  INCLUDING SOURCE(S):     DST1        ,

                                              *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       26.00389                      507708.67
3603932.32        3.52384
         506203.59    3603369.23        0.49109                      507919.87
3604794.52        2.40478
         507037.89    3604916.08        2.68691
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL     ***
                                 INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.35333      0.38036      0.41024      0.45315      0.45614
0.51425      0.51797      0.48380      0.40516
  3605847.54 |       0.38082      0.42226      0.45930      0.53012      0.58030
0.60834      0.62082      0.62974      0.54261
  3605597.54 |       0.38770      0.43627      0.51706      0.59980      0.66130
0.71297      0.75352      0.78823      0.79849
  3605347.54 |       0.46281      0.47432      0.49615      0.54454      0.68620
0.78823      0.86702      0.94512      0.99389
  3605097.54 |       0.46666      0.53433      0.60213      0.60043      0.65194
0.74763      0.96069      1.07391      1.18360
  3604847.54 |       0.44656      0.51581      0.57662      0.65931      0.82606
0.79993      0.89167      1.16151      1.31942
  3604597.54 |       0.42118      0.48481      0.57281      0.70571      0.87359
0.91278      1.08278      1.10605      1.35021
  3604347.54 |       0.40079      0.45443      0.53350      0.64698      0.81214
1.02144      1.26532      1.48903      1.42916
  3604097.54 |       0.37104      0.44100      0.50481      0.59624      0.72720
0.91913      1.23203      1.59103      1.76920
  3603847.54 |       0.33952      0.39699      0.48297      0.56654      0.70228
0.88092      1.11263      1.42188      2.02145
  3603597.54 |       0.31644      0.36092      0.43174      0.51020      0.59920
0.75293      0.93210      1.20600      1.75669
  3603347.54 |       0.28815      0.33082      0.38517      0.44552      0.52720
0.63884      0.79873      1.04117      1.50811
  3603097.54 |       0.26855      0.30390      0.34674      0.42163      0.48098
0.56882      0.73075      0.90943      1.26860
  3602847.54 |       0.25749      0.29130      0.34107      0.38896      0.45234
0.53535      0.67842      0.83998      1.11215
  3602597.54 |       0.24900      0.28168      0.32821      0.37763      0.43825
0.51582      0.62472      0.74529      0.95299
  3602347.54 |       0.24537      0.27618      0.31151      0.35144      0.40699
0.47494      0.55368      0.66395      0.83525
  3602097.54 |       0.23922      0.26564      0.29576      0.32635      0.36762
0.41605      0.48957      0.60321      0.72983
  3601847.54 |       0.22841      0.24787      0.26726      0.29327      0.33321
0.38259      0.45550      0.54334      0.64787
  3601597.54 |       0.21030      0.22569      0.24445      0.27220      0.30912
0.36028      0.42032      0.49232      0.57367
  3601347.54 |       0.19370      0.20951      0.23108      0.25925      0.29787
0.34242      0.39295      0.44917      0.50259
  3601097.54 |       0.18304      0.20060      0.22373      0.25495      0.28863
0.32858      0.36794      0.41286      0.45329

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL     ***
                                 INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.39700      0.40159      0.37993      0.29302      0.24175
0.17360      0.06375      0.05749      0.02819
  3605847.54 |       0.48180      0.47088      0.49313      0.47801      0.26604
0.19185      0.11829      0.17056      0.06104
  3605597.54 |       0.67983      0.59291      0.56744      0.58693      0.37051
0.22930      0.12737      0.34836      0.36133
  3605347.54 |       1.01572      0.98083      0.76708      0.69226      0.64086
0.64622      0.65762      0.61707      0.09365
  3605097.54 |       1.28227      1.35161      1.35770      1.26603      1.06949
1.00250      0.77995      0.22688      0.05062
  3604847.54 |       1.54122      1.76254      1.95291      1.98477      1.69810
1.25572      0.57301      0.37608      0.09879
  3604597.54 |       1.68389      2.12809      2.61422      3.10633      3.09121
2.56435      1.90371      0.38834      0.11803
  3604347.54 |       1.84861      2.18386      2.71773      4.14638      6.28061
7.02050      7.11177      5.68295      0.72543
  3604097.54 |       1.91117      2.44199      3.38954      5.02424      8.38142
54.92523     31.28307     29.61184     21.25711
  3603847.54 |       2.67024      2.89328      3.67071      4.78145      9.67153
50.23723      9.81462      7.65038      5.48380
  3603597.54 |       3.08801      5.28759      6.58750      8.20659     11.50108
47.52925      8.07125      5.54630      3.90461
  3603347.54 |       2.36400      4.90146     54.47276     61.68889     56.01777
43.30148      8.66081      4.67489      3.40561
  3603097.54 |       1.86871      3.19698      6.60459      9.06462     10.13366
8.95373      5.68252      3.86206      3.02561
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  3602847.54 |       1.53347      2.31954      3.39434      4.45065      4.73057
4.16449      3.47592      2.79665      2.24061
  3602597.54 |       1.28460      1.68137      2.27341      2.78352      2.79118
2.69134      2.43875      2.01368      1.76315
  3602347.54 |       1.04932      1.32926      1.62488      1.85574      1.93502
1.88494      1.75804      1.55440      1.39228
  3602097.54 |       0.88360      1.03346      1.22362      1.32813      1.40625
1.41428      1.35950      1.24083      1.12277
  3601847.54 |       0.75282      0.85667      0.98015      1.03477      1.08292
1.10403      1.09245      1.01213      0.94474
  3601597.54 |       0.64423      0.72247      0.79524      0.84127      0.87776
0.89725      0.89330      0.85861      0.79437
  3601347.54 |       0.55824      0.61878      0.66829      0.71539      0.74395
0.74806      0.75752      0.72492      0.69325
  3601097.54 |       0.49701      0.54025      0.57938      0.61508      0.63489
0.64180      0.63913      0.63016      0.61164

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.02233      0.02428      0.01608      0.02687      0.01408
0.01006      0.00862      0.00800      0.00703
  3605847.54 |       0.05331      0.07806      0.02338      0.09099      0.01671
0.01272      0.00981      0.00907      0.00799
  3605597.54 |       0.26439      0.12359      0.08375      0.07669      0.04545
0.02602      0.01219      0.00932      0.00870
  3605347.54 |       0.06631      0.15250      0.11457      0.09794      0.09222
0.02088      0.01527      0.01166      0.01173
  3605097.54 |       0.03643      0.03947      0.02676      0.01944      0.02567
0.06168      0.02006      0.01638      0.01269
  3604847.54 |       0.04191      0.02744      0.02308      0.01986      0.02069
0.02197      0.02720      0.02419      0.01861
  3604597.54 |       0.06028      0.03941      0.03005      0.02813      0.02317
0.02066      0.02306      0.02482      0.03115
  3604347.54 |       0.22656      0.10458      0.07592      0.06965      0.03753
0.02842      0.02249      0.02148      0.02165
  3604097.54 |       4.05012      1.19459      0.37278      0.14927      0.08487
0.04310      0.03245      0.02919      0.02429
  3603847.54 |       2.87894      1.18859      0.69198      0.38419      0.15510
0.08722      0.06303      0.05560      0.03735
  3603597.54 |       1.37284      0.37605      0.23143      0.24452      0.22122
0.17403      0.12571      0.10912      0.06737
  3603347.54 |       2.36351      0.55276      0.21570      0.28403      0.53834
0.23000      0.37027      0.22172      0.10143
  3603097.54 |       2.16636      1.67778      0.40422      0.92349      0.85422
0.55697      0.50660      0.17494      0.09796
  3602847.54 |       1.79280      1.52739      1.07997      1.03876      0.87939
0.66178      0.61733      0.42082      0.09804
  3602597.54 |       1.40284      1.22209      1.11532      0.90593      0.80866
0.70631      0.59342      0.31291      0.09758
  3602347.54 |       1.19242      1.01672      0.90629      0.80883      0.72666
0.62515      0.57162      0.47209      0.32076
  3602097.54 |       0.98278      0.86836      0.76094      0.71187      0.64264
0.57198      0.41671      0.35856      0.42687
  3601847.54 |       0.83447      0.75239      0.69972      0.63123      0.57060
0.50182      0.47424      0.36469      0.39040
  3601597.54 |       0.72685      0.68999      0.62800      0.56900      0.50633
0.45967      0.41935      0.39984      0.35149
  3601347.54 |       0.63467      0.61539      0.56499      0.52017      0.44656
0.42739      0.39277      0.35548      0.30373
  3601097.54 |       0.56475      0.54035      0.50807      0.47273      0.41813
0.39510      0.36624      0.30076      0.30622

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00649      0.00589
  3605847.54 |       0.00708      0.00644
  3605597.54 |       0.00817      0.00773
  3605347.54 |       0.01087      0.00950
  3605097.54 |       0.01114      0.01041
  3604847.54 |       0.01410      0.01510
  3604597.54 |       0.02679      0.01573
  3604347.54 |       0.01738      0.01483
  3604097.54 |       0.02046      0.01794
  3603847.54 |       0.03113      0.02821
  3603597.54 |       0.05332      0.03968
  3603347.54 |       0.05427      0.04605
```

```
  3603097.54 |       0.06911      0.05479
  3602847.54 |       0.06898      0.07224
  3602597.54 |       0.08557      0.09713
  3602347.54 |       0.19799      0.24231
  3602097.54 |       0.39072      0.34430
  3601847.54 |       0.35461      0.32996
  3601597.54 |       0.33575      0.29714
  3601347.54 |       0.29422      0.28501
  3601097.54 |       0.26146      0.26375

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63        9.70344                      507708.67
3603932.32       19.06359
         506203.59    3603369.23        1.76148                      507919.87
3604794.52        0.51042
         507037.89    3604916.08        1.78214

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1     ***
                                INCLUDING SOURCE(S):     HMA1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03947      0.04163      0.04380      0.04603      0.04753
0.04991      0.05149      0.05203      0.05019
  3605847.54 |       0.03619      0.03826      0.04048      0.04313      0.04559
0.04776      0.04979      0.05187      0.05208
  3605597.54 |       0.03302      0.03458      0.03667      0.03903      0.04151
0.04410      0.04665      0.04933      0.05192
  3605347.54 |       0.03106      0.03179      0.03272      0.03406      0.03646
0.03889      0.04156      0.04453      0.04755
  3605097.54 |       0.02840      0.02937      0.03030      0.03083      0.03182
0.03334      0.03582      0.03812      0.04102
  3604847.54 |       0.02546      0.02625      0.02692      0.02776      0.02908
0.02932      0.03030      0.03233      0.03413
  3604597.54 |       0.02281      0.02338      0.02403      0.02491      0.02605
0.02601      0.02691      0.02721      0.02864
  3604347.54 |       0.02061      0.02100      0.02149      0.02209      0.02280
0.02356      0.02433      0.02476      0.02449
  3604097.54 |       0.01874      0.01918      0.01946      0.01984      0.02030
0.02085      0.02184      0.02232      0.02221
  3603847.54 |       0.01720      0.01751      0.01797      0.01821      0.01870
0.01927      0.01957      0.01971      0.02034
  3603597.54 |       0.01629      0.01654      0.01694      0.01729      0.01756
0.01807      0.01840      0.01882      0.01951
  3603347.54 |       0.01612      0.01647      0.01686      0.01721      0.01759
0.01801      0.01846      0.01892      0.01961
  3603097.54 |       0.01619      0.01649      0.01681      0.01732      0.01756
0.01788      0.01842      0.01876      0.01947
  3602847.54 |       0.01607      0.01640      0.01683      0.01717      0.01755
0.01797      0.01866      0.01932      0.02046
  3602597.54 |       0.01612      0.01650      0.01698      0.01746      0.01808
0.01891      0.02003      0.02112      0.02236
  3602347.54 |       0.01639      0.01692      0.01758      0.01843      0.01953
0.02076      0.02189      0.02282      0.02365
  3602097.54 |       0.01716      0.01805      0.01907      0.02015      0.02123
0.02216      0.02299      0.02390      0.02486
  3601847.54 |       0.01858      0.01960      0.02056      0.02144      0.02228
0.02303      0.02393      0.02516      0.02690
  3601597.54 |       0.01992      0.02075      0.02148      0.02217      0.02289
0.02387      0.02524      0.02706      0.02933
  3601347.54 |       0.02072      0.02134      0.02198      0.02273      0.02376
0.02519      0.02705      0.02929      0.03178
  3601097.54 |       0.02113      0.02173      0.02252      0.02365      0.02510
0.02692      0.02904      0.03155      0.03397

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1     ***
                                INCLUDING SOURCE(S):     HMA1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
```

- -

3606097.54 | 0.04951 0.04834 0.04551 0.04942 0.04548
0.04278 0.08372 0.06504 0.05295
3605847.54 | 0.05130 0.05101 0.05043 0.04832 0.05012
0.04886 0.05505 0.03833 0.06275
3605597.54 | 0.05260 0.05247 0.05246 0.05191 0.05643
0.05624 0.07073 0.04178 0.03562
3605347.54 | 0.05078 0.05395 0.05385 0.05351 0.05182
0.04958 0.04788 0.04389 0.07076
3605097.54 | 0.04446 0.04862 0.05378 0.05871 0.05918
0.05850 0.05785 0.06707 0.06655
3604847.54 | 0.03683 0.04041 0.04557 0.05293 0.06310
0.07573 0.08452 0.07776 0.17614
3604597.54 | 0.03038 0.03278 0.03594 0.04115 0.05092
0.07213 0.08764 0.14662 0.30688
3604347.54 | 0.02601 0.02722 0.02884 0.03208 0.03785
0.04863 0.07660 0.12187 0.15156
3604097.54 | 0.02250 0.02403 0.02610 0.02897 0.03265
0.04065 0.05839 0.10343 0.26965
3603847.54 | 0.02098 0.02149 0.02327 0.02551 0.03046
0.03910 0.05731 0.09554 0.16318
3603597.54 | 0.02070 0.02159 0.02283 0.02499 0.02757
0.03232 0.04077 0.05356 0.08620
3603347.54 | 0.02029 0.02110 0.02162 0.02308 0.02526
0.02687 0.03135 0.03895 0.05491
3603097.54 | 0.02026 0.02119 0.02220 0.02314 0.02412
0.02609 0.02948 0.03487 0.04235
3602847.54 | 0.02178 0.02292 0.02336 0.02426 0.02573
0.02769 0.03046 0.03485 0.03834
3602597.54 | 0.02351 0.02376 0.02501 0.02682 0.02852
0.03015 0.03328 0.03592 0.03824
3602347.54 | 0.02438 0.02577 0.02768 0.02982 0.03135
0.03319 0.03618 0.03776 0.03916
3602097.54 | 0.02640 0.02842 0.03082 0.03252 0.03402
0.03648 0.03885 0.03992 0.04064
3601847.54 | 0.02905 0.03147 0.03358 0.03493 0.03676
0.03939 0.04111 0.04202 0.04237
3601597.54 | 0.03182 0.03407 0.03567 0.03709 0.03937
0.04170 0.04293 0.04398 0.04389
3601347.54 | 0.03417 0.03597 0.03737 0.03921 0.04165
0.04343 0.04448 0.04554 0.04531
3601097.54 | 0.03588 0.03737 0.03889 0.04110 0.04333
0.04472 0.04566 0.04686 0.04647

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 118
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: HMA1 ***
INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 508618.86 508868.86 509118.86 509368.86 509618.86
509868.86 510118.86 510368.86 510618.86

- -

3606097.54 | 0.02212 0.03402 0.01431 0.05060 0.01218
0.00935 0.00799 0.00759 0.00642
3605847.54 | 0.06262 0.03952 0.02448 0.02809 0.01595
0.01237 0.01002 0.00922 0.00767
3605597.54 | 0.03298 0.03389 0.03842 0.03663 0.05932
0.07399 0.01231 0.00920 0.00844
3605347.54 | 0.08525 0.03616 0.03659 0.03719 0.03445
0.03930 0.01407 0.01165 0.01133
3605097.54 | 0.03345 0.08126 0.03016 0.02058 0.05101
0.05405 0.02209 0.01453 0.01189
3604847.54 | 0.04180 0.03103 0.02581 0.02117 0.02082
0.01989 0.04553 0.03153 0.01611
3604597.54 | 0.06729 0.04497 0.03327 0.02906 0.02300
0.01971 0.02103 0.02115 0.05098
3604347.54 | 0.21672 0.25049 0.11999 0.13330 0.03510
0.02730 0.02213 0.02182 0.02222
3604097.54 | 0.24586 0.17271 0.26974 0.35753 0.08226
0.04626 0.03618 0.03272 0.02753
3603847.54 | 3.12481 1.47552 0.76838 0.64894 0.25271
0.11304 0.08175 0.06707 0.04868
3603597.54 | 0.39943 1.69174 0.57995 0.82555 0.70256
0.46118 0.21956 0.18824 0.08736
3603347.54 | 0.09433 0.71915 0.32264 0.69829 0.31867
0.54559 0.29207 0.37468 0.14012
3603097.54 | 0.05843 0.09138 0.59879 0.13943 0.15947
0.18752 0.18991 0.35435 0.10841
3602847.54 | 0.04367 0.06306 0.09363 0.08891 0.09997
0.12496 0.13246 0.14987 0.08688
3602597.54 | 0.04024 0.05227 0.07015 0.07613 0.08189
0.08972 0.10039 0.15057 0.07309
3602347.54 | 0.04014 0.04784 0.06304 0.07210 0.07553
0.07755 0.08209 0.10008 0.11104
3602097.54 | 0.04075 0.04618 0.05830 0.06964 0.07341
0.07417 0.09282 0.09557 0.07920
3601847.54 | 0.04194 0.04580 0.05537 0.06716 0.07226
0.07276 0.07338 0.08658 0.07345
3601597.54 | 0.04330 0.04636 0.05324 0.06429 0.07096
0.07252 0.07194 0.07237 0.07029
3601347.54 | 0.04451 0.04689 0.05196 0.06135 0.06906
0.07205 0.07194 0.07034 0.06812
3601097.54 | 0.04559 0.04728 0.05117 0.05852 0.06687
0.07104 0.07142 0.06910 0.06822

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 119
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: HMA1 ***
INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 510868.86 511118.86

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00582      0.00523
  3605847.54 |       0.00665      0.00586
  3605597.54 |       0.00774      0.00696
  3605347.54 |       0.01025      0.00839
  3605097.54 |       0.01012      0.00943
  3604847.54 |       0.01317      0.01354
  3604597.54 |       0.03250      0.01502
  3604347.54 |       0.01825      0.01572
  3604097.54 |       0.02325      0.02031
  3603847.54 |       0.04013      0.03553
  3603597.54 |       0.06974      0.05496
  3603347.54 |       0.08138      0.06820
  3603097.54 |       0.08695      0.07445
  3602847.54 |       0.07347      0.07371
  3602597.54 |       0.06567      0.10279
  3602347.54 |       0.17168      0.12384
  3602097.54 |       0.08328      0.08997
  3601847.54 |       0.07325      0.07400
  3601597.54 |       0.07080      0.06865
  3601347.54 |       0.06740      0.06687
  3601097.54 |       0.06578      0.06526

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1     ***
                                 INCLUDING SOURCE(S):     HMA1        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63        0.14333                         507708.67
3603932.32        0.04527
         506203.59    3603369.23        0.01983                         507919.87
3604794.52        0.09659
         507037.89    3604916.08        0.05309

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2     ***
                                 INCLUDING SOURCE(S):     HMA2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                  X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.27156      0.30696      0.34938      0.40571      0.44153
0.52080      0.56283      0.56449      0.52276
  3605847.54 |       0.26678      0.30491      0.34750      0.41765      0.48757
0.55451      0.61751      0.68042      0.65134
  3605597.54 |       0.25696      0.29096      0.34748      0.41536      0.48466
0.56439      0.65603      0.76040      0.85224
  3605347.54 |       0.28877      0.29820      0.31672      0.35438      0.44686
0.53741      0.63968      0.77388      0.91423
  3605097.54 |       0.28758      0.32009      0.35416      0.36189      0.39963
0.46680      0.60470      0.72804      0.88869
  3604847.54 |       0.27317      0.30398      0.33088      0.36991      0.44907
0.45593      0.52120      0.67614      0.81600
  3604597.54 |       0.25606      0.28354      0.31916      0.37196      0.44311
0.45807      0.54056      0.58693      0.73444
  3604347.54 |       0.24158      0.26516      0.29765      0.33998      0.39665
0.46452      0.54633      0.62626      0.65015
  3604097.54 |       0.22423      0.25428      0.27897      0.31296      0.35750
0.41446      0.50545      0.58583      0.62804
  3603847.54 |       0.20681      0.23098      0.26557      0.29346      0.33834
0.39232      0.44423      0.49245      0.58175
  3603597.54 |       0.19374      0.21272      0.24160      0.27026      0.29831
0.34348      0.38393      0.43421      0.51295
  3603347.54 |       0.18352      0.20305      0.22623      0.24943      0.27806
0.31289      0.35604      0.41015      0.49444
  3603097.54 |       0.17599      0.19240      0.21114      0.24289      0.26423
0.29439      0.34636      0.39476      0.48112
  3602847.54 |       0.16967      0.18625      0.20971      0.23031      0.25609
0.28814      0.34059      0.39236      0.47401
  3602597.54 |       0.16669      0.18297      0.20520      0.22791      0.25555
0.29029      0.33769      0.38237      0.44048
  3602347.54 |       0.16493      0.18103      0.19990      0.22177      0.25177
0.28669      0.31919      0.34887      0.38230
  3602097.54 |       0.16365      0.17997      0.19900      0.21805      0.24011
0.25864      0.27933      0.30835      0.33769
  3601847.54 |       0.16277      0.17660      0.18917      0.20215      0.21758
0.23172      0.25305      0.27998      0.31724
  3601597.54 |       0.15678      0.16614      0.17432      0.18423      0.19625
0.21381      0.23522      0.26448      0.30294
  3601347.54 |       0.14645      0.15284      0.16065      0.17097      0.18620
0.20403      0.22629      0.25515      0.28809
  3601097.54 |       0.13582      0.14265      0.15234      0.16626      0.18082
0.19959      0.22095      0.24953      0.27854

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2     ***
                                 INCLUDING SOURCE(S):     HMA2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.53249      0.55368      0.52929      0.55043      0.46998
0.33805      0.13719      0.11819      0.04412
  3605847.54 |       0.63717      0.64928      0.69337      0.68378      0.53172
0.39450      0.28677      0.31400      0.11168
  3605597.54 |       0.81685      0.80136      0.80736      0.84361      0.82720
0.50112      0.32574      0.62036      0.59643
  3605347.54 |       1.05521      1.15099      1.05027      1.02924      0.98304
0.86579      0.79006      0.75875      0.18044
  3605097.54 |       1.09054      1.33260      1.57361      1.69465      1.54316
1.46305      1.25607      0.61248      0.08508
  3604847.54 |       1.03212      1.32564      1.75213      2.25750      2.65657
2.73951      1.70705      1.03015      0.18729
  3604597.54 |       0.94112      1.24004      1.64066      2.29288      3.34373
4.48404      4.52615      1.05590      0.24503
  3604347.54 |       0.85356      1.06458      1.36745      1.96800      3.07520
4.96997      8.24997      9.17928      1.81554
  3604097.54 |       0.71009      0.92654      1.25863      1.75271      2.38401
3.86556      8.00061     19.77692     31.66067
  3603847.54 |       0.68001      0.76965      0.99151      1.26718      1.85006
2.87004      5.13355     10.59318     56.55793
  3603597.54 |       0.64232      0.76388      0.93447      1.22822      1.60835
2.41587      4.13619      6.83711     16.49388
  3603347.54 |       0.59638      0.73403      0.88217      1.18035      1.61166
1.93316      2.88031      4.47887      7.55596
  3603097.54 |       0.58556      0.71439      0.85874      1.01006      1.21231
1.58424      2.23939      3.05510      4.07608
  3602847.54 |       0.56526      0.65290      0.72198      0.85095      1.05689
1.32982      1.73834      2.19567      2.54534
  3602597.54 |       0.49684      0.53094      0.63176      0.78190      0.92963
1.12810      1.39177      1.59516      1.84966
  3602347.54 |       0.41721      0.48262      0.57655      0.69623      0.81985
0.94155      1.10016      1.22944      1.37776
  3602097.54 |       0.38292      0.44131      0.53005      0.61058      0.70179
0.80046      0.90117      0.98302      1.06772
  3601847.54 |       0.36264      0.41894      0.48954      0.54173      0.60812
0.68528      0.75598      0.80726      0.87144
  3601597.54 |       0.34443      0.39311      0.44079      0.48359      0.53814
0.59377      0.64215      0.68817      0.72103
  3601347.54 |       0.32542      0.36387      0.39934      0.44146      0.48603
0.51885      0.56004      0.58827      0.62076
  3601097.54 |       0.30801      0.33625      0.36727      0.40337      0.43644
0.46078      0.48565      0.51638      0.54428

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2     ***
                                  INCLUDING SOURCE(S):     HMA2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03288      0.03437      0.02070      0.03695      0.01910
0.01305      0.01151      0.01086      0.00914
  3605847.54 |       0.08920      0.13545      0.03123      0.14901      0.02634
0.01986      0.01420      0.01256      0.01045
  3605597.54 |       0.59525      0.21838      0.14179      0.14590      0.10234
0.04383      0.01790      0.01250      0.01138
  3605347.54 |       0.10872      0.28255      0.21524      0.22109      0.20042
0.03101      0.01982      0.01558      0.01509
  3605097.54 |       0.06489      0.06988      0.05180      0.03586      0.03992
0.10190      0.02703      0.02164      0.01579
  3604847.54 |       0.08385      0.05254      0.04296      0.03272      0.02993
0.03082      0.03838      0.03267      0.02455
  3604597.54 |       0.13763      0.08689      0.05413      0.04367      0.03407
0.02978      0.03217      0.03348      0.04159
  3604347.54 |       0.49579      0.20232      0.11759      0.09963      0.05582
0.04128      0.03218      0.03104      0.03161
  3604097.54 |      15.76557      2.14020      0.59302      0.23129      0.13172
0.06765      0.05013      0.04441      0.03611
  3603847.54 |      70.45663      8.12553      2.73876      1.13189      0.38325
0.18418      0.12110      0.10038      0.06355
  3603597.54 |       8.25229      1.52615      1.04973      0.94906      0.70281
0.48023      0.31513      0.25059      0.14220
  3603347.54 |       9.01542      1.52386      0.41939      0.67191      1.51840
0.56596      0.93809      0.50016      0.21282
  3603097.54 |       5.09038      4.30190      0.75427      2.27831      1.81333
1.21260      1.08909      0.33728      0.18409
  3602847.54 |       2.71669      2.56953      2.70069      1.81058      1.43933
1.25373      1.03946      0.75600      0.14606
  3602597.54 |       1.89883      1.81593      1.77089      1.46130      1.26735
1.08187      0.92379      0.53327      0.11451
  3602347.54 |       1.46132      1.39281      1.30471      1.21923      1.11805
0.90249      0.80332      0.72970      0.51586
  3602097.54 |       1.12177      1.10298      1.03030      1.00291      0.95076
0.83470      0.72744      0.60287      0.55593
  3601847.54 |       0.90073      0.89421      0.88067      0.83661      0.79418
0.71846      0.67505      0.59589      0.50909
  3601597.54 |       0.75094      0.77092      0.74320      0.71132      0.66052
0.63190      0.58521      0.55888      0.46106
  3601347.54 |       0.63611      0.66059      0.63737      0.61668      0.55483
0.55315      0.53339      0.48334      0.40340
  3601097.54 |       0.55266      0.56436      0.55316      0.53591      0.49648
0.48435      0.47240      0.40529      0.40621

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2     ***
                                  INCLUDING SOURCE(S):     HMA2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00822      0.00741
  3605847.54 |       0.00910      0.00816
  3605597.54 |       0.01044      0.00925
  3605347.54 |       0.01321      0.01097
  3605097.54 |       0.01399      0.01352
  3604847.54 |       0.01893      0.01938
  3604597.54 |       0.03565      0.01986
  3604347.54 |       0.02541      0.02143
  3604097.54 |       0.02962      0.02541
  3603847.54 |       0.05073      0.04472
  3603597.54 |       0.10421      0.07315
  3603347.54 |       0.10929      0.08836
  3603097.54 |       0.12699      0.09896
  3602847.54 |       0.10459      0.11394
  3602597.54 |       0.10566      0.13375
  3602347.54 |       0.29807      0.36872
  3602097.54 |       0.50459      0.45725
  3601847.54 |       0.44436      0.40381
  3601597.54 |       0.43368      0.36401
  3601347.54 |       0.37770      0.35823
  3601097.54 |       0.34041      0.33578

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 125
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2     ***
                                 INCLUDING SOURCE(S):     HMA2        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       28.26041                      507708.67
3603932.32        3.89988
         506203.59    3603369.23        0.52590                      507919.87
3604794.52        1.53184
         507037.89    3604916.08        2.03358

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3     ***
                                 INCLUDING SOURCE(S):     HMA3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.27528      0.31101      0.35339      0.40895      0.44336
0.51997      0.55909      0.55794      0.51463
  3605847.54 |       0.27019      0.30916      0.35251      0.42306      0.49266
0.55797      0.61793      0.67663      0.64408
  3605597.54 |       0.25945      0.29432      0.35202      0.42141      0.49201
0.57229      0.66282      0.76353      0.84911
  3605347.54 |       0.29094      0.30071      0.32000      0.35890      0.45321
0.54631      0.65085      0.78591      0.92301
  3605097.54 |       0.29054      0.32327      0.35757      0.36566      0.40431
0.47309      0.61424      0.74203      0.90701
  3604847.54 |       0.27664      0.30799      0.33536      0.37494      0.45498
0.46226      0.52872      0.68605      0.83085
  3604597.54 |       0.25912      0.28721      0.32366      0.37767      0.45059
0.46618      0.55046      0.59867      0.74854
  3604347.54 |       0.24437      0.26843      0.30158      0.34481      0.40280
0.47250      0.55681      0.63948      0.66643
  3604097.54 |       0.22707      0.25768      0.28294      0.31771      0.36331
0.42173      0.51533      0.59824      0.64262
  3603847.54 |       0.20945      0.23410      0.26940      0.29797      0.34398
0.39949      0.45295      0.50281      0.59526
  3603597.54 |       0.19583      0.21514      0.24450      0.27370      0.30236
0.34850      0.38996      0.44163      0.52256
  3603347.54 |       0.18527      0.20510      0.22867      0.25231      0.28149
0.31703      0.36108      0.41636      0.50250
  3603097.54 |       0.17764      0.19429      0.21331      0.24548      0.26716
0.29780      0.35058      0.39988      0.48796
  3602847.54 |       0.17110      0.18785      0.21157      0.23244      0.25860
0.29116      0.34441      0.39717      0.48088
  3602597.54 |       0.16793      0.18440      0.20689      0.22991      0.25793
0.29322      0.34161      0.38771      0.44795
  3602347.54 |       0.16612      0.18240      0.20149      0.22368      0.25422
0.28999      0.32353      0.35419      0.38845
  3602097.54 |       0.16478      0.18131      0.20067      0.22017      0.24282
0.26190      0.28306      0.31261      0.34248
  3601847.54 |       0.16397      0.17809      0.19101      0.20433      0.22008
0.23444      0.25608      0.28350      0.32155
  3601597.54 |       0.15811      0.16771      0.17608      0.18613      0.19830
0.21609      0.23787      0.26770      0.30697
  3601347.54 |       0.14776      0.15425      0.16215      0.17258      0.18801
0.20612      0.22878      0.25820      0.29181
  3601097.54 |       0.13697      0.14386      0.15365      0.16775      0.18253
0.20161      0.22336      0.25246      0.28197

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3     ***
                                  INCLUDING SOURCE(S):     HMA3        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52321      0.54253      0.51395      0.52985      0.45659
0.33347      0.13546      0.11544      0.04345
  3605847.54 |       0.62625      0.63641      0.67634      0.65863      0.50559
0.38914      0.27895      0.30516      0.11214
  3605597.54 |       0.80792      0.78616      0.78884      0.81806      0.78061
0.48536      0.31937      0.60508      0.58500
  3605347.54 |       1.05533      1.13820      1.02816      1.00118      0.94479
0.81990      0.76435      0.73596      0.17906
  3605097.54 |       1.10922      1.34175      1.56025      1.65139      1.48983
1.38374      1.18590      0.58467      0.08217
  3604847.54 |       1.05587      1.35906      1.78403      2.25445      2.58305
2.61821      1.54240      0.99330      0.17912
  3604597.54 |       0.95928      1.26782      1.68854      2.36835      3.39720
4.36857      4.23810      1.00002      0.22783
  3604347.54 |       0.87605      1.09515      1.40945      2.03197      3.20337
5.20651      8.13199      8.10409      1.62119
  3604097.54 |       0.72956      0.95445      1.30199      1.82503      2.50591
4.10927      8.65830     21.39105     22.82836
  3603847.54 |       0.69761      0.79318      1.02576      1.31989      1.94013
3.04670      5.56996     12.05868     81.25277
  3603597.54 |       0.65585      0.78159      0.95863      1.26430      1.66286
2.51818      4.41197      7.52433     18.83337
  3603347.54 |       0.60693      0.74831      0.90094      1.21107      1.67019
2.01921      3.04097      4.81646      8.11346
  3603097.54 |       0.59494      0.72794      0.87922      1.03952      1.25157
1.64514      2.34433      3.21623      4.27874
  3602847.54 |       0.57556      0.66744      0.73924      0.87273      1.08792
1.37556      1.80556      2.27982      2.64255
  3602597.54 |       0.50644      0.54122      0.64509      0.80078      0.95462
1.16136      1.43586      1.64425      1.90563
  3602347.54 |       0.42405      0.49119      0.58806      0.71169      0.83926
0.96619      1.12902      1.26106      1.41279
  3602097.54 |       0.38880      0.44882      0.54004      0.62276      0.71678
0.81884      0.92099      1.00471      1.09131
  3601847.54 |       0.36806      0.42579      0.49798      0.55151      0.62009
0.69886      0.77033      0.82279      0.88821
  3601597.54 |       0.34941      0.39909      0.44769      0.49170      0.54774
0.60392      0.65297      0.69972      0.73340
  3601347.54 |       0.32985      0.36893      0.40513      0.44837      0.49371
0.52666      0.56850      0.59707      0.63022
  3601097.54 |       0.31188      0.34058      0.37231      0.40922      0.44254
0.46699      0.49236      0.52329      0.55173

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3     ***
                                  INCLUDING SOURCE(S):     HMA3        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03232      0.03373      0.02045      0.03683      0.01885
0.01291      0.01138      0.01074      0.00905
  3605847.54 |       0.08789      0.13503      0.03093      0.14898      0.02612
0.01959      0.01401      0.01241      0.01032
  3605597.54 |       0.58213      0.21553      0.14158      0.14634      0.10320
0.04350      0.01763      0.01233      0.01124
  3605347.54 |       0.10762      0.27805      0.21494      0.22194      0.19829
0.03054      0.01954      0.01535      0.01489
  3605097.54 |       0.06246      0.06841      0.05054      0.03494      0.03908
0.10261      0.02661      0.02131      0.01553
  3604847.54 |       0.07941      0.05065      0.04163      0.03175      0.02914
0.03012      0.03775      0.03223      0.02410
  3604597.54 |       0.12854      0.08257      0.05182      0.04210      0.03301
0.02879      0.03126      0.03266      0.04072
  3604347.54 |       0.45961      0.18673      0.11089      0.09542      0.05337
0.03975      0.03100      0.02983      0.03047
  3604097.54 |      12.95764      1.96816      0.54701      0.21262      0.12243
0.06364      0.04759      0.04237      0.03464
  3603847.54 |      65.45415      7.13625      2.46549      1.02899      0.34447
0.16801      0.11200      0.09374      0.05988
  3603597.54 |       8.55002      1.69385      1.11304      0.93585      0.68257
0.46511      0.30420      0.24207      0.13596
  3603347.54 |       9.26784      1.51250      0.44736      0.70317      1.54673
0.57197      0.94119      0.49749      0.20923
  3603097.54 |       5.22774      4.36318      0.75946      2.24717      1.79840
1.22831      1.09768      0.34108      0.18432
  3602847.54 |       2.78019      2.59225      2.70496      1.78246      1.41894
1.24273      1.03657      0.76575      0.14994
  3602597.54 |       1.93917      1.83348      1.78351      1.45487      1.25003
1.06903      0.91508      0.53490      0.11669
  3602347.54 |       1.48834      1.40615      1.31173      1.22555      1.10888
0.89194      0.79512      0.72442      0.51404
  3602097.54 |       1.14097      1.11314      1.03656      1.00820      0.95093
0.82743      0.72299      0.60145      0.55170
  3601847.54 |       0.91486      0.90222      0.88616      0.83949      0.79821
0.71594      0.66944      0.59224      0.50508
  3601597.54 |       0.76163      0.77729      0.74768      0.71396      0.66332
0.63355      0.58198      0.55466      0.45727
  3601347.54 |       0.64441      0.66583      0.64090      0.61951      0.55641
0.55575      0.53302      0.48039      0.40078
  3601097.54 |       0.55925      0.56872      0.55601      0.53856      0.49780
0.48598      0.47403      0.40434      0.40379

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3     ***
                                  INCLUDING SOURCE(S):     HMA3        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00814      0.00734
  3605847.54 |       0.00900      0.00809
  3605597.54 |       0.01032      0.00915
  3605347.54 |       0.01305      0.01082
  3605097.54 |       0.01373      0.01328
  3604847.54 |       0.01861      0.01909
  3604597.54 |       0.03494      0.01940
  3604347.54 |       0.02463      0.02087
  3604097.54 |       0.02855      0.02458
  3603847.54 |       0.04811      0.04265
  3603597.54 |       0.09966      0.07005
  3603347.54 |       0.10672      0.08615
  3603097.54 |       0.12641      0.09798
  3602847.54 |       0.10654      0.11469
  3602597.54 |       0.10858      0.13651
  3602347.54 |       0.29982      0.37218
  3602097.54 |       0.50093      0.45501
  3601847.54 |       0.44139      0.40107
  3601597.54 |       0.43063      0.36189
  3601347.54 |       0.37494      0.35595
  3601097.54 |       0.33837      0.33348

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3     ***
                                  INCLUDING SOURCE(S):     HMA3        ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       34.85461                      507708.67
3603932.32        4.19152
         506203.59    3603369.23        0.53482                      507919.87
3604794.52        1.38497
         507037.89    3604916.08        2.02773

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA4     ***
                                  INCLUDING SOURCE(S):     HMA4        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.04095      0.04322      0.04549      0.04781      0.04934
0.05176      0.05333      0.05375      0.05168
  3605847.54 |       0.03754      0.03972      0.04206      0.04484      0.04740
0.04963      0.05170      0.05379      0.05388
  3605597.54 |       0.03426      0.03589      0.03808      0.04058      0.04319
0.04591      0.04855      0.05130      0.05394
  3605347.54 |       0.03224      0.03302      0.03400      0.03541      0.03792
0.04048      0.04330      0.04641      0.04953
  3605097.54 |       0.02947      0.03048      0.03149      0.03205      0.03310
0.03469      0.03729      0.03971      0.04276
  3604847.54 |       0.02638      0.02722      0.02794      0.02882      0.03022
0.03048      0.03153      0.03363      0.03551
  3604597.54 |       0.02360      0.02420      0.02488      0.02581      0.02701
0.02697      0.02793      0.02824      0.02973
  3604347.54 |       0.02130      0.02170      0.02221      0.02283      0.02358
0.02437      0.02517      0.02560      0.02532
  3604097.54 |       0.01935      0.01980      0.02008      0.02048      0.02095
0.02150      0.02255      0.02302      0.02288
  3603847.54 |       0.01774      0.01806      0.01853      0.01878      0.01928
0.01988      0.02017      0.02030      0.02093
  3603597.54 |       0.01682      0.01708      0.01750      0.01786      0.01814
0.01866      0.01901      0.01943      0.02013
  3603347.54 |       0.01665      0.01701      0.01741      0.01777      0.01817
0.01860      0.01906      0.01952      0.02023
  3603097.54 |       0.01670      0.01701      0.01734      0.01786      0.01812
0.01846      0.01903      0.01939      0.02015
  3602847.54 |       0.01657      0.01691      0.01737      0.01773      0.01814
0.01860      0.01934      0.02009      0.02133
  3602597.54 |       0.01663      0.01704      0.01755      0.01808      0.01876
0.01967      0.02088      0.02204      0.02333
  3602347.54 |       0.01695      0.01752      0.01824      0.01916      0.02034
0.02164      0.02281      0.02377      0.02466
  3602097.54 |       0.01780      0.01876      0.01985      0.02097      0.02208
0.02303      0.02390      0.02489      0.02597
  3601847.54 |       0.01931      0.02037      0.02136      0.02225      0.02310
0.02389      0.02489      0.02625      0.02817
  3601597.54 |       0.02066      0.02149      0.02223      0.02295      0.02372
0.02479      0.02630      0.02829      0.03073
  3601347.54 |       0.02143      0.02206      0.02273      0.02353      0.02467
0.02622      0.02821      0.03062      0.03327
  3601097.54 |       0.02182      0.02246      0.02331      0.02453      0.02610
0.02804      0.03030      0.03293      0.03545

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA4     ***
                                  INCLUDING SOURCE(S):     HMA4        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.05081      0.04948      0.04640      0.05081      0.04595
0.04359      0.08653      0.06702      0.05050
  3605847.54 |       0.05287      0.05236      0.05159      0.04923      0.05096
0.05016      0.05723      0.03874      0.06557
  3605597.54 |       0.05450      0.05413      0.05383      0.05304      0.05747
0.05795      0.07430      0.04234      0.03594
  3605347.54 |       0.05282      0.05597      0.05560      0.05490      0.05286
0.05033      0.04850      0.04424      0.07419
  3605097.54 |       0.04634      0.05063      0.05589      0.06076      0.06074
0.05961      0.05881      0.06928      0.06277
  3604847.54 |       0.03835      0.04211      0.04750      0.05517      0.06567
0.07749      0.08810      0.08029      0.17866
  3604597.54 |       0.03153      0.03403      0.03735      0.04285      0.05321
0.07605      0.09025      0.15468      0.29106
  3604347.54 |       0.02688      0.02813      0.02981      0.03318      0.03926
0.05077      0.08096      0.12786      0.15624
  3604097.54 |       0.02317      0.02473      0.02686      0.02984      0.03370
0.04220      0.06142      0.11185      0.28921
  3603847.54 |       0.02157      0.02208      0.02390      0.02621      0.03136
0.04044      0.05987      0.10080      0.15899
  3603597.54 |       0.02135      0.02224      0.02348      0.02565      0.02823
0.03302      0.04167      0.05530      0.08909
  3603347.54 |       0.02093      0.02175      0.02227      0.02380      0.02607
0.02767      0.03245      0.04031      0.05654
  3603097.54 |       0.02100      0.02202      0.02309      0.02403      0.02509
0.02726      0.03076      0.03637      0.04379
  3602847.54 |       0.02274      0.02392      0.02436      0.02538      0.02705
0.02909      0.03206      0.03644      0.03982
  3602597.54 |       0.02455      0.02483      0.02624      0.02826      0.03006
0.03178      0.03513      0.03762      0.03984
  3602347.54 |       0.02547      0.02704      0.02917      0.03144      0.03302
0.03506      0.03812      0.03964      0.04088
  3602097.54 |       0.02769      0.02991      0.03246      0.03422      0.03583
0.03850      0.04082      0.04193      0.04245
  3601847.54 |       0.03050      0.03310      0.03527      0.03669      0.03870
0.04144      0.04310      0.04411      0.04424
  3601597.54 |       0.03338      0.03571      0.03738      0.03892      0.04139
0.04373      0.04495      0.04610      0.04579
  3601347.54 |       0.03573      0.03760      0.03909      0.04109      0.04366
0.04542      0.04652      0.04766      0.04722
  3601097.54 |       0.03743      0.03897      0.04061      0.04301      0.04529
0.04665      0.04769      0.04893      0.04837

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 133
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA4     ***
                                  INCLUDING SOURCE(S):     HMA4        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.02166      0.03252      0.01423      0.04926      0.01211
0.00933      0.00799      0.00757      0.00640
  3605847.54 |       0.06423      0.04133      0.02371      0.02914      0.01559
0.01235      0.00999      0.00914      0.00764
  3605597.54 |       0.03303      0.03496      0.04005      0.03867      0.06255
0.07178      0.01225      0.00914      0.00842
  3605347.54 |       0.08792      0.03715      0.03802      0.03922      0.03547
0.03728      0.01395      0.01161      0.01129
  3605097.54 |       0.03309      0.07765      0.02921      0.02049      0.04795
0.05741      0.02130      0.01447      0.01185
  3604847.54 |       0.04153      0.03064      0.02564      0.02097      0.02068
0.01974      0.04339      0.03000      0.01604
  3604597.54 |       0.06640      0.04433      0.03290      0.02876      0.02281
0.01962      0.02099      0.02106      0.04886
  3604347.54 |       0.22669      0.23258      0.11342      0.12755      0.03501
0.02729      0.02217      0.02184      0.02222
  3604097.54 |       0.24298      0.17860      0.29258      0.34462      0.08082
0.04635      0.03622      0.03272      0.02751
  3603847.54 |       3.13829      1.43230      0.77904      0.66637      0.23945
0.11238      0.08143      0.06687      0.04859
  3603597.54 |       0.44130      1.60248      0.54669      0.77433      0.66905
0.43788      0.20935      0.17941      0.08687
  3603347.54 |       0.09875      0.74866      0.29634      0.68666      0.32379
0.53755      0.29879      0.37897      0.13644
  3603097.54 |       0.06102      0.09453      0.61049      0.14222      0.16251
0.19061      0.19236      0.34612      0.10705
  3602847.54 |       0.04559      0.06614      0.09774      0.09096      0.10199
0.12718      0.13561      0.15281      0.08577
  3602597.54 |       0.04213      0.05525      0.07305      0.07849      0.08418
0.09209      0.10320      0.15592      0.07056
  3602347.54 |       0.04208      0.05059      0.06630      0.07480      0.07794
0.07982      0.08423      0.10187      0.11439
  3602097.54 |       0.04275      0.04875      0.06161      0.07257      0.07596
0.07649      0.09596      0.09874      0.08099
  3601847.54 |       0.04397      0.04825      0.05853      0.07026      0.07490
0.07510      0.07558      0.08893      0.07523
  3601597.54 |       0.04534      0.04873      0.05613      0.06745      0.07367
0.07490      0.07406      0.07446      0.07198
  3601347.54 |       0.04655      0.04919      0.05460      0.06438      0.07182
0.07438      0.07404      0.07221      0.06982
  3601097.54 |       0.04760      0.04949      0.05360      0.06132      0.06961
0.07335      0.07347      0.07091      0.06989

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
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 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA4     ***
                                 INCLUDING SOURCE(S):     HMA4        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00580      0.00522
  3605847.54 |       0.00662      0.00584
  3605597.54 |       0.00771      0.00694
  3605347.54 |       0.01022      0.00837
  3605097.54 |       0.01010      0.00941
  3604847.54 |       0.01315      0.01354
  3604597.54 |       0.03142      0.01500
  3604347.54 |       0.01826      0.01571
  3604097.54 |       0.02323      0.02029
  3603847.54 |       0.04007      0.03548
  3603597.54 |       0.06948      0.05479
  3603347.54 |       0.08092      0.06787
  3603097.54 |       0.08636      0.07410
  3602847.54 |       0.07301      0.07340
  3602597.54 |       0.06503      0.09958
  3602347.54 |       0.17614      0.12728
  3602097.54 |       0.08519      0.09221
  3601847.54 |       0.07473      0.07538
  3601597.54 |       0.07243      0.06997
  3601347.54 |       0.06891      0.06828
  3601097.54 |       0.06731      0.06663

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA4     ***
                                 INCLUDING SOURCE(S):     HMA4        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63        0.15820                       507708.67
3603932.32        0.04708
         506203.59    3603369.23        0.02046                       507919.87
3604794.52        0.10140
         507037.89    3604916.08        0.05531

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HSI1     ***
                                 INCLUDING SOURCE(S):     HSI1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26340      0.29670      0.33611      0.38750      0.42009
0.49045      0.52771      0.52965      0.49337
  3605847.54 |       0.25848      0.29470      0.33484      0.39927      0.46281
0.52279      0.57848      0.63356      0.60922
  3605597.54 |       0.24824      0.28075      0.33381      0.39720      0.46140
0.53404      0.61585      0.70721      0.78634
  3605347.54 |       0.27678      0.28618      0.30440      0.34048      0.42609
0.51021      0.60391      0.72394      0.84593
  3605097.54 |       0.27712      0.30714      0.33845      0.34636      0.38189
0.44450      0.57063      0.68432      0.82916
  3604847.54 |       0.26502      0.29413      0.31945      0.35572      0.42804
0.43519      0.49502      0.63408      0.76170
  3604597.54 |       0.24856      0.27494      0.30897      0.35897      0.42624
0.44037      0.51626      0.55996      0.69165
  3604347.54 |       0.23476      0.25734      0.28827      0.32839      0.38194
0.44605      0.52306      0.59753      0.62369
  3604097.54 |       0.21925      0.24801      0.27175      0.30424      0.34656
0.40043      0.48655      0.56156      0.60200
  3603847.54 |       0.20302      0.22638      0.25969      0.28660      0.32978
0.38177      0.43117      0.47703      0.56166
  3603597.54 |       0.18929      0.20752      0.23503      0.26233      0.28902
0.33173      0.36992      0.41733      0.49069
  3603347.54 |       0.17857      0.19723      0.21935      0.24149      0.26870
0.30160      0.34200      0.39206      0.46886
  3603097.54 |       0.17143      0.18712      0.20490      0.23465      0.25442
0.28214      0.32946      0.37305      0.45042
  3602847.54 |       0.16472      0.18016      0.20190      0.22090      0.24465
0.27407      0.32171      0.36842      0.44409
  3602597.54 |       0.16079      0.17603      0.19676      0.21781      0.24316
0.27500      0.31975      0.36583      0.43051
  3602347.54 |       0.15888      0.17388      0.19129      0.21161      0.24035
0.27595      0.31234      0.34691      0.38055
  3602097.54 |       0.15721      0.17252      0.19105      0.21097      0.23533
0.25701      0.27900      0.30504      0.32728
  3601847.54 |       0.15693      0.17143      0.18571      0.20083      0.21760
0.23090      0.24869      0.27067      0.30287
  3601597.54 |       0.15402      0.16494      0.17438      0.18429      0.19464
0.20919      0.22731      0.25336      0.28833
```

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  3601347.54 |       0.14638      0.15313      0.16020      0.16877      0.18169
0.19729      0.21744      0.24393      0.27471
  3601097.54 |       0.13587      0.14168      0.14982      0.16202      0.17504
0.19229      0.21199      0.23876      0.26732

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HSI1     ***
                                  INCLUDING SOURCE(S):     HSI1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50224      0.52111      0.50219      0.53165      0.45676
0.33457      0.15918      0.13733      0.04629
  3605847.54 |       0.59703      0.60812      0.64688      0.64405      0.54830
0.39568      0.31335      0.33397      0.12664
  3605597.54 |       0.75689      0.74383      0.74977      0.78266      0.84343
0.52478      0.35605      0.58270      0.54954
  3605347.54 |       0.96549      1.04544      0.96243      0.94532      0.91213
0.82185      0.73254      0.70014      0.21752
  3605097.54 |       1.00508      1.20819      1.40475      1.50232      1.38239
1.33057      1.16937      0.67396      0.08635
  3604847.54 |       0.95701      1.21517      1.57197      1.97324      2.28718
2.39424      1.81758      1.06657      0.21294
  3604597.54 |       0.87356      1.13595      1.48695      2.03663      2.85565
3.72602      3.83873      1.31981      0.24747
  3604347.54 |       0.80805      0.99720      1.26119      1.76547      2.67653
4.13645      6.27248      6.91130      2.26621
  3604097.54 |       0.68152      0.88000      1.17948      1.61777      2.16836
3.37183      6.38670     13.24038     19.14289
  3603847.54 |       0.65490      0.74352      0.95026      1.20923      1.73309
2.62707      4.51225      8.71698     33.30050
  3603597.54 |       0.61019      0.72074      0.87349      1.12915      1.44606
2.08509      3.50075      5.91316     14.49343
  3603347.54 |       0.56008      0.68074      0.80591      1.06090      1.46708
1.84315      2.54984      3.95469      7.78000
  3603097.54 |       0.54307      0.65894      0.80267      0.97815      1.16925
1.42541      2.01354      2.94054      4.24891
  3602847.54 |       0.53647      0.63766      0.71341      0.81286      0.96414
1.21710      1.65560      2.18776      2.65105
  3602597.54 |       0.49499      0.52183      0.60022      0.72217      0.85876
1.07612      1.35308      1.61855      1.90893
  3602347.54 |       0.40666      0.45828      0.53797      0.64847      0.78141
0.91465      1.08929      1.25206      1.41732
  3602097.54 |       0.36445      0.41536      0.49758      0.58270      0.68225
0.78340      0.90280      1.00052      1.09613
  3601847.54 |       0.34339      0.39579      0.46729      0.52691      0.59484
0.67650      0.76123      0.82055      0.89122
  3601597.54 |       0.32703      0.37593      0.42813      0.47384      0.52793
0.59096      0.64765      0.69763      0.73577
```

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  3601347.54 |       0.31177      0.35307      0.39153      0.43288      0.47874
0.51930      0.56427      0.59579      0.63123
  3601097.54 |       0.29862      0.32959      0.36089      0.39589      0.43239
0.46231      0.48918      0.52219      0.55184

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HSI1     ***
                                  INCLUDING SOURCE(S):     HSI1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03342      0.03535      0.02111      0.03828      0.01947
0.01303      0.01133      0.01089      0.00936
  3605847.54 |       0.10673      0.14626      0.03127      0.15670      0.02648
0.01990      0.01438      0.01302      0.01072
  3605597.54 |       0.56309      0.23647      0.15931      0.15501      0.10364
0.05596      0.01891      0.01293      0.01146
  3605347.54 |       0.12902      0.31503      0.23456      0.22412      0.23577
0.03421      0.02185      0.01542      0.01512
  3605097.54 |       0.06448      0.07042      0.05213      0.03584      0.04488
0.10872      0.02612      0.02138      0.01577
  3604847.54 |       0.08424      0.04973      0.04264      0.03425      0.03176
0.02992      0.03775      0.03322      0.02413
  3604597.54 |       0.13688      0.08651      0.05660      0.04547      0.03385
0.02803      0.03046      0.03215      0.03988
  3604347.54 |       0.49922      0.23486      0.11641      0.09818      0.05183
0.04019      0.03125      0.02908      0.02900
  3604097.54 |      12.34069      2.32188      0.49035      0.19261      0.11489
0.06045      0.04614      0.04156      0.03403
  3603847.54 |     273.86700      9.19156      2.82149      1.09358      0.32889
0.15977      0.10677      0.09000      0.05757
  3603597.54 |      14.62686      2.49043      1.56867      1.20420      0.81718
0.53196      0.33340      0.25913      0.13982
  3603347.54 |      11.42841      2.19458      0.54577      0.87434      1.96417
0.68369      1.13164      0.57788      0.22921
  3603097.54 |       5.86719      5.19481      0.99144      2.87069      2.08774
1.45940      1.27621      0.39093      0.20406
  3602847.54 |       2.99303      2.93594      3.03369      2.05893      1.60360
1.41439      1.14799      0.87223      0.16533
  3602597.54 |       2.04315      2.02414      1.95639      1.62277      1.39929
1.18302      1.00577      0.62031      0.12697
  3602347.54 |       1.54123      1.52052      1.42479      1.31940      1.21794
0.97872      0.86335      0.79024      0.57901
  3602097.54 |       1.17365      1.18635      1.11251      1.07561      1.01730
0.89792      0.81471      0.67151      0.58777
  3601847.54 |       0.93580      0.95127      0.93778      0.89126      0.84042
0.76522      0.71888      0.65434      0.53655
  3601597.54 |       0.77499      0.80968      0.78537      0.75148      0.69718
0.66466      0.61936      0.59109      0.48494
```

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  3601347.54 |       0.65332      0.68838      0.66937      0.64661      0.58492
0.57826      0.55888      0.50859      0.42474
  3601097.54 |       0.56502      0.58509      0.57782      0.55916      0.51990
0.50568      0.49113      0.42610      0.42516

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HSI1     ***
                                INCLUDING SOURCE(S):     HSI1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00749
  3605847.54 |       0.00921      0.00819
  3605597.54 |       0.01046      0.00943
  3605347.54 |       0.01343      0.01079
  3605097.54 |       0.01338      0.01272
  3604847.54 |       0.01835      0.01924
  3604597.54 |       0.03471      0.01933
  3604347.54 |       0.02366      0.02032
  3604097.54 |       0.02814      0.02425
  3603847.54 |       0.04652      0.04137
  3603597.54 |       0.10094      0.07013
  3603347.54 |       0.11323      0.09009
  3603097.54 |       0.13715      0.10481
  3602847.54 |       0.11604      0.12407
  3602597.54 |       0.11753      0.14890
  3602347.54 |       0.34179      0.41532
  3602097.54 |       0.53286      0.48331
  3601847.54 |       0.46599      0.42208
  3601597.54 |       0.45473      0.37977
  3601347.54 |       0.39522      0.37328
  3601097.54 |       0.35644      0.34946

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HSI1     ***
                                INCLUDING SOURCE(S):     HSI1        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.87238                     507708.67
3603932.32        3.49224
         506203.59    3603369.23        0.49785                     507919.87
3604794.52        1.73201
         507037.89    3604916.08        1.78969

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: OFFRD    ***
                                INCLUDING SOURCE(S):     OFFRD       ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.31738      0.34111      0.36385      0.38948      0.39484
0.42167      0.42137      0.40000      0.36039
  3605847.54 |       0.32472      0.35923      0.39095      0.43411      0.46572
0.48416      0.49131      0.49233      0.44729
  3605597.54 |       0.31517      0.35480      0.40936      0.46605      0.51090
0.54721      0.57402      0.59227      0.59159
  3605347.54 |       0.33160      0.35211      0.38344      0.42987      0.51368
0.58325      0.63877      0.68757      0.70864
  3605097.54 |       0.32405      0.36081      0.40196      0.42504      0.47712
0.55123      0.67014      0.75206      0.81807
  3604847.54 |       0.31670      0.34859      0.37841      0.42228      0.50526
0.53247      0.61298      0.75725      0.87152
  3604597.54 |       0.30852      0.33929      0.37790      0.43355      0.50942
0.53038      0.61979      0.69030      0.84030
  3604347.54 |       0.29451      0.32425      0.36338      0.41263      0.47673
0.55267      0.64323      0.73125      0.78767
  3604097.54 |       0.27343      0.31054      0.34325      0.38685      0.44261
0.51256      0.62233      0.71764      0.78124
  3603847.54 |       0.25311      0.28377      0.32709      0.36445      0.42297
0.49500      0.56512      0.63505      0.75581
  3603597.54 |       0.23389      0.25823      0.29371      0.33044      0.36818
0.42634      0.48277      0.55508      0.66300
  3603347.54 |       0.21166      0.23468      0.26210      0.29067      0.32590
0.36892      0.42227      0.48920      0.58902
  3603097.54 |       0.19210      0.21047      0.23146      0.26475      0.28898
0.32204      0.37461      0.42480      0.50884
  3602847.54 |       0.17721      0.19376      0.21625      0.23615      0.26050
0.29004      0.33573      0.38019      0.45035
  3602597.54 |       0.16656      0.18113      0.20049      0.21997      0.24304
0.27140      0.31064      0.35225      0.41723
  3602347.54 |       0.15703      0.17033      0.18562      0.20327      0.22796
0.25975      0.29671      0.34139      0.39836
```

```
  3602097.54 |       0.14906      0.16229      0.17844      0.19690      0.22196
0.25044      0.28689      0.33440      0.37832
  3601847.54 |       0.14538      0.15917      0.17490      0.19490      0.22124
0.24914      0.28294      0.31740      0.35445
  3601597.54 |       0.14477      0.15941      0.17604      0.19625      0.21839
0.24300      0.26619      0.29075      0.31869
  3601347.54 |       0.14665      0.16109      0.17710      0.19377      0.21163
0.22735      0.24313      0.26288      0.28825
  3601097.54 |       0.14815      0.16054      0.17322      0.18668      0.19708
0.20934      0.22375      0.24742      0.27793

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: OFFRD    ***
                                  INCLUDING SOURCE(S):     OFFRD       ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.34719      0.32509      0.27629      0.26190      0.22287
0.20461      0.14820      0.12272      0.04630
  3605847.54 |       0.41488      0.39468      0.36821      0.31571      0.28350
0.24544      0.21175      0.17811      0.11470
  3605597.54 |       0.53044      0.48584      0.44970      0.40193      0.37582
0.30608      0.25570      0.21028      0.16702
  3605347.54 |       0.70774      0.67892      0.58097      0.51133      0.41470
0.33200      0.29235      0.24717      0.17850
  3605097.54 |       0.85651      0.86677      0.84921      0.78711      0.63748
0.49892      0.40796      0.35686      0.06415
  3604847.54 |       0.99126      1.07170      1.11174      1.09772      1.02361
0.86777      0.65124      0.48919      0.20266
  3604597.54 |       1.02348      1.22714      1.38122      1.46399      1.46014
1.35709      1.03047      0.66165      0.16765
  3604347.54 |       0.99374      1.20755      1.45518      1.75986      2.01727
1.99571      1.69167      1.14796      0.78560
  3604097.54 |       0.90507      1.15204      1.50655      1.96334      2.38392
2.81749      3.00758      2.31450      1.34883
  3603847.54 |       0.89535      1.05374      1.35590      1.77084      2.48757
3.48297      4.64616      5.02788      3.55636
  3603597.54 |       0.83468      1.01105      1.26275      1.67372      2.25119
3.35186      5.43333      8.39527     12.77163
  3603347.54 |       0.71133      0.87468      1.05551      1.39712      1.94916
2.66960      4.35364      8.47133     20.69896
  3603097.54 |       0.60916      0.73176      0.88471      1.10053      1.42951
1.96706      3.03319      5.59721     16.95752
  3602847.54 |       0.53777      0.64498      0.75665      0.93348      1.18134
1.57127      2.30839      3.92698      8.62919
  3602597.54 |       0.50039      0.56441      0.69261      0.85772      1.04153
1.35593      1.92946      3.08208      5.32181
  3602347.54 |       0.45603      0.53793      0.63726      0.75595      0.91199
1.16962      1.66747      2.48433      3.52410
```

```
  3602097.54 |       0.43086      0.48681      0.56247      0.65091      0.81031
1.07604      1.47233      1.97473      2.47986
  3601847.54 |       0.39090      0.43395      0.50351      0.60059      0.76498
0.99174      1.27324      1.57571      1.85381
  3601597.54 |       0.34930      0.39809      0.47399      0.58104      0.72478
0.89372      1.09019      1.28804      1.44028
  3601347.54 |       0.32656      0.38428      0.46329      0.56570      0.67780
0.79634      0.94337      1.06533      1.16850
  3601097.54 |       0.32119      0.38012      0.45503      0.53753      0.62085
0.71337      0.81260      0.90351      0.97682

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: OFFRD    ***
                                  INCLUDING SOURCE(S):     OFFRD       ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03000      0.03274      0.01921      0.03679      0.01436
0.00991      0.00868      0.00825      0.00734
  3605847.54 |       0.10036      0.10572      0.02797      0.09483      0.02021
0.01552      0.01093      0.01037      0.00916
  3605597.54 |       0.15229      0.13221      0.11527      0.10232      0.07922
0.04997      0.01604      0.01080      0.01023
  3605347.54 |       0.12628      0.15910      0.14096      0.12108      0.11429
0.03445      0.02193      0.01479      0.01410
  3605097.54 |       0.04468      0.05719      0.03482      0.02426      0.03974
0.12936      0.02788      0.01934      0.01360
  3604847.54 |       0.05152      0.03321      0.02604      0.02160      0.02523
0.02833      0.03287      0.02528      0.01783
  3604597.54 |       0.07117      0.04752      0.03176      0.03152      0.02477
0.02098      0.02163      0.02167      0.02999
  3604347.54 |       0.35299      0.10403      0.07519      0.07372      0.03315
0.02349      0.01791      0.01741      0.01777
  3604097.54 |       0.83746      0.65805      0.35813      0.09448      0.04973
0.02671      0.02139      0.02048      0.01802
  3603847.54 |       1.72861      1.11763      0.72053      0.35199      0.07499
0.04221      0.03399      0.03247      0.02423
  3603597.54 |       8.40176      0.57966      0.22967      0.21677      0.20754
0.15884      0.10267      0.09669      0.04801
  3603347.54 |      59.38620      5.82404      1.00463      0.90878      1.85052
0.52375      0.94233      0.51111      0.11991
  3603097.54 |      68.81174     37.73554      3.88666      4.89984      2.79633
2.05929      1.48150      0.44965      0.16470
  3602847.54 |      18.85852     16.02906      8.51620      4.01926      2.69681
2.22730      1.58535      1.30990      0.23024
  3602597.54 |       7.64984      7.19437      4.80988      2.92045      2.11170
1.71119      1.43487      1.17240      0.26020
  3602347.54 |       4.33970      4.24522      3.34979      2.43159      1.74688
1.30442      1.11724      1.05572      0.91974
```

```
  3602097.54 |       2.84615      2.85437      2.43135      2.00443      1.54502
1.17357      1.13483      0.93723      0.70921
  3601847.54 |       2.04224      2.07101      1.87908      1.61855      1.35497
1.05334      0.88348      0.85284      0.61920
  3601597.54 |       1.55866      1.60836      1.49122      1.32219      1.14793
0.96839      0.79210      0.70108      0.55998
  3601347.54 |       1.23761      1.28807      1.21600      1.10741      0.95995
0.87464      0.74752      0.62157      0.50382
  3601097.54 |       1.01810      1.05080      1.01239      0.93840      0.83322
0.77051      0.69059      0.55470      0.50403

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: OFFRD    ***
                                 INCLUDING SOURCE(S):     OFFRD       ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00699      0.00662
  3605847.54 |       0.00830      0.00725
  3605597.54 |       0.00942      0.00827
  3605347.54 |       0.01195      0.00929
  3605097.54 |       0.01111      0.01002
  3604847.54 |       0.01329      0.01388
  3604597.54 |       0.02559      0.01360
  3604347.54 |       0.01485      0.01310
  3604097.54 |       0.01599      0.01459
  3603847.54 |       0.02120      0.01994
  3603597.54 |       0.03826      0.02914
  3603347.54 |       0.04999      0.04114
  3603097.54 |       0.09680      0.06822
  3602847.54 |       0.13510      0.12812
  3602597.54 |       0.20465      0.22105
  3602347.54 |       0.64021      0.67468
  3602097.54 |       0.65459      0.60788
  3601847.54 |       0.53590      0.49005
  3601597.54 |       0.51158      0.42462
  3601347.54 |       0.45057      0.41419
  3601097.54 |       0.41435      0.39056

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: OFFRD    ***
                                 INCLUDING SOURCE(S):     OFFRD       ,

                                                  *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63        3.11735                     507708.67
3603932.32        3.63848
         506203.59    3603369.23        0.63285                     507919.87
3604794.52        0.63688
         507037.89    3604916.08        1.02818

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.27398      0.30825      0.34820      0.40076      0.42884
0.50200      0.53511      0.52793      0.47810
  3605847.54 |       0.27013      0.30952      0.35205      0.42199      0.48776
0.54605      0.59693      0.64613      0.60165
  3605597.54 |       0.25718      0.29333      0.35369      0.42462      0.49433
0.57061      0.65262      0.73993      0.80941
  3605347.54 |       0.28967      0.29831      0.31651      0.35602      0.45561
0.55048      0.65313      0.77978      0.89879
  3605097.54 |       0.29169      0.32343      0.35661      0.36161      0.39881
0.46950      0.61744      0.74733      0.90776
  3604847.54 |       0.28089      0.31218      0.33852      0.37666      0.45601
0.45718      0.52052      0.68392      0.83280
  3604597.54 |       0.26328      0.29217      0.32964      0.38493      0.45820
0.47256      0.55588      0.59426      0.74263
  3604347.54 |       0.24803      0.27252      0.30650      0.35098      0.41063
0.48222      0.56884      0.65504      0.67402
  3604097.54 |       0.23181      0.26339      0.28927      0.32501      0.37201
0.43223      0.52735      0.61339      0.65928
  3603847.54 |       0.21483      0.24051      0.27728      0.30711      0.35499
0.41255      0.46900      0.52212      0.61983
  3603597.54 |       0.19965      0.21942      0.24966      0.27963      0.30901
0.35647      0.39906      0.45198      0.53549
  3603347.54 |       0.18739      0.20763      0.23170      0.25580      0.28559
0.32182      0.36661      0.42245      0.50891
  3603097.54 |       0.17970      0.19661      0.21580      0.24838      0.26972
0.29974      0.35200      0.39986      0.48584
```

```
  3602847.54 |       0.17243      0.18895      0.21242      0.23274      0.25828
0.29008      0.34252      0.39385      0.47758
  3602597.54 |       0.16788      0.18410      0.20644      0.22907      0.25643
0.29097      0.33998      0.39099      0.46312
  3602347.54 |       0.16570      0.18168      0.20026      0.22197      0.25316
0.29217      0.33239      0.37095      0.40834
  3602097.54 |       0.16382      0.18009      0.19995      0.22144      0.24816
0.27211      0.29642      0.32489      0.34949
  3601847.54 |       0.16347      0.17901      0.19443      0.21096      0.22939
0.24388      0.26321      0.28720      0.32261
  3601597.54 |       0.16057      0.17240      0.18264      0.19340      0.20455
0.22026      0.23990      0.26830      0.30664
  3601347.54 |       0.15270      0.15996      0.16755      0.17671      0.19058
0.20740      0.22921      0.25802      0.29159
  3601097.54 |       0.14158      0.14776      0.15643      0.16945      0.18343
0.20200      0.22331      0.25234      0.28323

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 147
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48823      0.50967      0.48148      0.48801      0.36179
0.29921      0.11641      0.10238      0.04059
  3605847.54 |       0.57618      0.58830      0.63126      0.61212      0.44163
0.34174      0.23948      0.27108      0.09509
  3605597.54 |       0.75042      0.71530      0.71923      0.75293      0.67342
0.41429      0.26623      0.55700      0.53821
  3605347.54 |       1.00494      1.06058      0.92339      0.89301      0.84028
0.74201      0.70371      0.67965      0.14880
  3605097.54 |       1.08987      1.28055      1.44224      1.48802      1.32607
1.22771      1.05533      0.47567      0.07440
  3604847.54 |       1.06175      1.35235      1.71749      2.06255      2.24353
2.17756      1.14406      0.77165      0.15459
  3604597.54 |       0.95379      1.26663      1.69152      2.32135      3.09470
3.54089      3.21869      0.71730      0.19035
  3604347.54 |       0.89056      1.10241      1.39978      2.02112      3.17628
4.87221      6.39132      5.73429      1.12437
  3604097.54 |       0.74227      0.98028      1.34843      1.89406      2.57125
4.14094      8.39636     15.83141     12.10486
  3603847.54 |       0.72803      0.82361      1.07260      1.38098      2.06429
3.29491      6.15515     13.48787     85.82715
  3603597.54 |       0.67260      0.80238      0.98340      1.29283      1.68066
2.49854      4.43695      8.15307     25.34888
  3603347.54 |       0.61192      0.74921      0.89546      1.19543      1.68286
2.17643      3.13342      5.06208     10.62426
  3603097.54 |       0.58904      0.72024      0.88809      1.09987      1.33530
1.65206      2.39602      3.54872      5.17530
```

```
  3602847.54 |       0.58041      0.69575      0.78799      0.90533      1.08669
1.38551      1.90703      2.53763      3.04723
  3602597.54 |       0.53483      0.56806      0.65721      0.79896      0.95843
1.20515      1.52794      1.81200      2.14610
  3602347.54 |       0.43785      0.49591      0.58668      0.71320      0.86244
1.00849      1.20392      1.37452      1.56046
  3602097.54 |       0.39082      0.44768      0.54022      0.63412      0.74313
0.85537      0.98292      1.08491      1.18824
  3601847.54 |       0.36744      0.42554      0.50456      0.56811      0.64231
0.73177      0.82042      0.88178      0.95826
  3601597.54 |       0.34916      0.40262      0.45883      0.50764      0.56711
0.63393      0.69266      0.74630      0.78490
  3601347.54 |       0.33184      0.37619      0.41719      0.46253      0.51242
0.55315      0.60102      0.63372      0.67115
  3601097.54 |       0.31673      0.34956      0.38336      0.42188      0.46041
0.49020      0.51835      0.55359      0.58526

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03078      0.03223      0.01944      0.03333      0.01826
0.01237      0.01093      0.01050      0.00903
  3605847.54 |       0.07873      0.11383      0.02844      0.12504      0.02436
0.01870      0.01368      0.01235      0.01031
  3605597.54 |       0.36300      0.18398      0.11813      0.11915      0.08020
0.04451      0.01758      0.01234      0.01100
  3605347.54 |       0.09408      0.23557      0.17430      0.17001      0.17999
0.03054      0.02015      0.01462      0.01439
  3605097.54 |       0.05769      0.06058      0.04689      0.03287      0.03940
0.07812      0.02378      0.01988      0.01490
  3604847.54 |       0.07299      0.04522      0.03806      0.03111      0.02869
0.02729      0.03335      0.02947      0.02213
  3604597.54 |       0.11404      0.07493      0.04998      0.04016      0.03080
0.02580      0.02777      0.02914      0.03453
  3604347.54 |       0.35103      0.18649      0.09432      0.08145      0.04545
0.03622      0.02876      0.02656      0.02630
  3604097.54 |       5.76840      1.11144      0.31531      0.14522      0.09231
0.05148      0.04033      0.03686      0.03077
  3603847.54 |      22.41077      3.40493      1.43931      0.66477      0.23144
0.12271      0.08599      0.07411      0.04913
  3603597.54 |      10.06178      3.07507      1.45985      0.98950      0.66058
0.43189      0.27260      0.21236      0.11796
  3603347.54 |      13.70809      1.59405      0.61225      0.87582      1.57584
0.59303      0.88538      0.46131      0.20444
  3603097.54 |       6.76557      5.54718      0.74736      2.45406      2.06417
1.31322      1.15701      0.34949      0.19174
```

```
  3602847.54 |       3.32935      3.12660      3.08170      2.04008      1.59956
1.26899      1.15488      0.80246      0.16513
  3602597.54 |       2.23167      2.13043      2.06934      1.64668      1.39327
1.17787      0.99497      0.51315      0.12655
  3602347.54 |       1.67479      1.59610      1.48391      1.37804      1.23042
0.97425      0.86380      0.77030      0.50727
  3602097.54 |       1.25909      1.24158      1.15256      1.12052      1.04959
0.90214      0.73899      0.60693      0.58960
  3601847.54 |       0.99611      0.99232      0.97635      0.92284      0.87463
0.77642      0.72184      0.60910      0.53840
  3601597.54 |       0.82164      0.84805      0.81616      0.77782      0.72014
0.68514      0.62476      0.59253      0.48525
  3601347.54 |       0.68998      0.72058      0.69438      0.67011      0.59878
0.59846      0.57141      0.51162      0.42310
  3601097.54 |       0.59560      0.61072      0.59854      0.57889      0.53326
0.52051      0.50680      0.42758      0.42738

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00811      0.00726
  3605847.54 |       0.00887      0.00796
  3605597.54 |       0.01009      0.00905
  3605347.54 |       0.01281      0.01037
  3605097.54 |       0.01269      0.01212
  3604847.54 |       0.01729      0.01800
  3604597.54 |       0.03061      0.01820
  3604347.54 |       0.02153      0.01876
  3604097.54 |       0.02575      0.02240
  3603847.54 |       0.04038      0.03637
  3603597.54 |       0.08650      0.06102
  3603347.54 |       0.10263      0.08167
  3603097.54 |       0.12982      0.09870
  3602847.54 |       0.11627      0.12002
  3602597.54 |       0.11908      0.14335
  3602347.54 |       0.28219      0.37181
  3602097.54 |       0.53177      0.48211
  3601847.54 |       0.46849      0.42381
  3601597.54 |       0.45599      0.38167
  3601347.54 |       0.39517      0.37502
  3601097.54 |       0.35532      0.35036

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       30.81775                     507708.67
3603932.32        4.49933
         506203.59    3603369.23        0.54186                     507919.87
3604794.52        1.00323
         507037.89    3604916.08        1.86294

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.27122      0.30556      0.34601      0.39961      0.42979
0.50500      0.54096      0.53664      0.48890
  3605847.54 |       0.26712      0.30584      0.34803      0.41776      0.48448
0.54516      0.59956      0.65297      0.61291
  3605597.54 |       0.25513      0.29028      0.34914      0.41864      0.48767
0.56447      0.64897      0.74110      0.81722
  3605347.54 |       0.28776      0.29622      0.31390      0.35218      0.44905
0.54172      0.64335      0.77138      0.89628
  3605097.54 |       0.28905      0.32072      0.35374      0.35890      0.39532
0.46391      0.60737      0.73365      0.89259
  3604847.54 |       0.27721      0.30814      0.33439      0.37239      0.45101
0.45293      0.51536      0.67426      0.81750
  3604597.54 |       0.25974      0.28796      0.32457      0.37868      0.45060
0.46494      0.54720      0.58635      0.73239
  3604347.54 |       0.24494      0.26893      0.30215      0.34556      0.40369
0.47330      0.55738      0.64071      0.65971
  3604097.54 |       0.22864      0.25957      0.28488      0.31981      0.36567
0.42434      0.51708      0.60034      0.64409
```

```
  3603847.54 |       0.21160      0.23667      0.27255      0.30155      0.34813
0.40403      0.45856      0.50961      0.60359
  3603597.54 |       0.19698      0.21635      0.24594      0.27525      0.30392
0.35020      0.39162      0.44303      0.52398
  3603347.54 |       0.18540      0.20529      0.22892      0.25255      0.28172
0.31717      0.36092      0.41544      0.49984
  3603097.54 |       0.17785      0.19447      0.21334      0.24536      0.26637
0.29597      0.34744      0.39465      0.47929
  3602847.54 |       0.17078      0.18713      0.21036      0.23050      0.25580
0.28725      0.33899      0.38966      0.47201
  3602597.54 |       0.16662      0.18272      0.20482      0.22721      0.25428
0.28846      0.33674      0.38628      0.45506
  3602347.54 |       0.16458      0.18042      0.19885      0.22039      0.25115
0.28919      0.32766      0.36388      0.39936
  3602097.54 |       0.16281      0.17898      0.19858      0.21953      0.24522
0.26784      0.29092      0.31873      0.34361
  3601847.54 |       0.16248      0.17765      0.19246      0.20816      0.22573
0.23977      0.25905      0.28318      0.31838
  3601597.54 |       0.15914      0.17041      0.18011      0.19049      0.20155
0.21734      0.23703      0.26519      0.30297
  3601347.54 |       0.15082      0.15779      0.16525      0.17446      0.18840
0.20520      0.22681      0.25522      0.28822
  3601097.54 |       0.13977      0.14595      0.15469      0.16773      0.18167
0.20005      0.22108      0.24967      0.27992

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 152
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RAP1     ***
                                INCLUDING SOURCE(S):     RAP1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.49922      0.52177      0.49666      0.50827      0.37792
0.30810      0.12165      0.10708      0.04162
  3605847.54 |       0.59080      0.60340      0.64895      0.63589      0.46986
0.35321      0.25253      0.28381      0.09860
  3605597.54 |       0.76512      0.73573      0.74090      0.77917      0.72332
0.43582      0.28064      0.57422      0.55195
  3605347.54 |       1.01255      1.08066      0.95319      0.92605      0.88071
0.78243      0.72816      0.70194      0.15701
  3605097.54 |       1.07948      1.28466      1.46967      1.53901      1.38129
1.30054      1.11716      0.51300      0.07772
  3604847.54 |       1.03895      1.32726      1.70838      2.09846      2.34069
2.31245      1.30198      0.82935      0.16488
  3604597.54 |       0.93814      1.23919      1.64700      2.27550      3.12456
3.74294      3.54225      0.79080      0.20659
  3604347.54 |       0.87038      1.07823      1.36929      1.96604      3.06643
4.79948      6.79537      6.57856      1.30434
  3604097.54 |       0.72412      0.95209      1.30290      1.82154      2.46702
3.95720      7.93818     16.65001     15.81636
```

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  3603847.54 |       0.70719      0.79833      1.03482      1.32529      1.96215
3.08831      5.63171     11.78755     65.59321
  3603597.54 |       0.65663      0.78151      0.95519      1.25117      1.62103
2.39891      4.22177      7.40320     21.17504
  3603347.54 |       0.60042      0.73457      0.87740      1.16970      1.63798
2.08029      2.95471      4.72685      9.48536
  3603097.54 |       0.58084      0.70948      0.87123      1.06733      1.28220
1.59295      2.29679      3.33859      4.80140
  3602847.54 |       0.57181      0.68038      0.76431      0.87778      1.05807
1.34452      1.82996      2.41253      2.88244
  3602597.54 |       0.52217      0.55350      0.64206      0.78194      0.93586
1.16870      1.47223      1.73804      2.05186
  3602347.54 |       0.42875      0.48688      0.57635      0.69919      0.84150
0.97969      1.16519      1.32682      1.50332
  3602097.54 |       0.38492      0.44099      0.53124      0.62153      0.72555
0.83295      0.95477      1.05213      1.15092
  3601847.54 |       0.36256      0.41941      0.49597      0.55677      0.62810
0.71417      0.79931      0.85821      0.93174
  3601597.54 |       0.34468      0.39670      0.45088      0.49787      0.55540
0.61989      0.67654      0.72830      0.76554
  3601347.54 |       0.32754      0.37050      0.41008      0.45406      0.50244
0.54184      0.58817      0.61986      0.65609
  3601097.54 |       0.31247      0.34424      0.37706      0.41456      0.45197
0.48088      0.50817      0.54245      0.57315

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 153
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RAP1     ***
                                INCLUDING SOURCE(S):     RAP1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03146      0.03292      0.01983      0.03406      0.01862
0.01255      0.01109      0.01064      0.00912
  3605847.54 |       0.08197      0.11787      0.02911      0.12950      0.02484
0.01908      0.01388      0.01250      0.01040
  3605597.54 |       0.38212      0.19167      0.12289      0.12385      0.08348
0.04517      0.01781      0.01247      0.01113
  3605347.54 |       0.09850      0.24713      0.18216      0.17795      0.18702
0.03102      0.02032      0.01490      0.01463
  3605097.54 |       0.05998      0.06292      0.04845      0.03388      0.04014
0.08180      0.02456      0.02038      0.01519
  3604847.54 |       0.07673      0.04712      0.03954      0.03201      0.02923
0.02821      0.03449      0.03030      0.02275
  3604597.54 |       0.12216      0.07908      0.05214      0.04136      0.03187
0.02668      0.02891      0.03020      0.03610
  3604347.54 |       0.38702      0.20110      0.09919      0.08682      0.04821
0.03786      0.02964      0.02751      0.02751
  3604097.54 |      10.13883      1.27786      0.35358      0.16286      0.10156
0.05563      0.04296      0.03887      0.03217
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  3603847.54 |      45.75412      4.67125      1.76844      0.78372      0.26954
0.13849      0.09509      0.08097      0.05290
  3603597.54 |       9.25700      2.52330      1.43506      1.02991      0.69601
0.45870      0.29176      0.22730      0.12627
  3603347.54 |      12.47976      1.58967      0.54354      0.81337      1.57465
0.59692      0.90934      0.47499      0.20966
  3603097.54 |       6.32069      5.27882      0.75044      2.46615      2.02896
1.29492      1.15178      0.34815      0.19223
  3602847.54 |       3.16487      3.01170      3.04212      2.02555      1.58746
1.27278      1.13595      0.79430      0.16070
  3602597.54 |       2.14107      2.06397      2.00872      1.62354      1.38600
1.17148      0.99005      0.51928      0.12266
  3602347.54 |       1.61662      1.55219      1.44898      1.34761      1.21958
0.97042      0.85963      0.76867      0.51245
  3602097.54 |       1.22125      1.21111      1.12811      1.09709      1.03391
0.89670      0.74369      0.61064      0.58720
  3601847.54 |       0.96964      0.97033      0.95664      0.90653      0.85858
0.76930      0.71838      0.61150      0.53630
  3601597.54 |       0.80200      0.83052      0.80100      0.76500      0.70838
0.67558      0.62084      0.59021      0.48395
  3601347.54 |       0.67499      0.70674      0.68252      0.65932      0.59062
0.58922      0.56572      0.50917      0.42192
  3601097.54 |       0.58368      0.59986      0.58906      0.56999      0.52640
0.51343      0.50013      0.42498      0.42564

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00818      0.00733
  3605847.54 |       0.00895      0.00804
  3605597.54 |       0.01022      0.00916
  3605347.54 |       0.01297      0.01051
  3605097.54 |       0.01297      0.01245
  3604847.54 |       0.01779      0.01840
  3604597.54 |       0.03173      0.01856
  3604347.54 |       0.02255      0.01952
  3604097.54 |       0.02677      0.02319
  3603847.54 |       0.04311      0.03858
  3603597.54 |       0.09223      0.06483
  3603347.54 |       0.10607      0.08465
  3603097.54 |       0.13082      0.10008
  3602847.54 |       0.11401      0.11946
  3602597.54 |       0.11531      0.14110
  3602347.54 |       0.28577      0.36990
  3602097.54 |       0.52992      0.47929
  3601847.54 |       0.46665      0.42244
  3601597.54 |       0.45441      0.38028
  3601347.54 |       0.39424      0.37377
  3601097.54 |       0.35445      0.34954

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 155
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       28.61407                     507708.67
3603932.32        4.20166
         506203.59    3603369.23        0.53182                     507919.87
3604794.52        1.14451
         507037.89    3604916.08        1.89503

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 156
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RMP      ***
                                 INCLUDING SOURCE(S):     RMP         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.34999      0.38768      0.42714      0.47197      0.49867
0.55110      0.56935      0.54891      0.50418
  3605847.54 |       0.34188      0.38646      0.43478      0.50127      0.56366
0.61408      0.65188      0.68180      0.63354
  3605597.54 |       0.32636      0.36886      0.43242      0.51073      0.58615
0.66197      0.73469      0.80451      0.84740
  3605347.54 |       0.34455      0.36226      0.39730      0.45111      0.55094
0.65724      0.76502      0.88571      0.97955
  3605097.54 |       0.34443      0.38133      0.42091      0.44037      0.49601
0.58003      0.73833      0.88454      1.04446
  3604847.54 |       0.33256      0.36882      0.40015      0.44507      0.53511
0.55524      0.64131      0.81198      0.98922
```

```
  3604597.54 |       0.31048      0.34510      0.38986      0.45577      0.54829
0.55823      0.65244      0.72626      0.88570
  3604347.54 |       0.28693      0.31620      0.35674      0.41011      0.48273
0.57178      0.67833      0.77262      0.82580
  3604097.54 |       0.26217      0.29853      0.32865      0.37013      0.42477
0.49592      0.61886      0.71941      0.77162
  3603847.54 |       0.23803      0.26670      0.30923      0.34223      0.39907
0.46941      0.53165      0.58749      0.69998
  3603597.54 |       0.21484      0.23635      0.26897      0.30155      0.33304
0.38503      0.43027      0.48799      0.57751
  3603347.54 |       0.19576      0.21622      0.24091      0.26546      0.29596
0.33260      0.37782      0.43384      0.52164
  3603097.54 |       0.18332      0.20028      0.21922      0.25160      0.27163
0.30046      0.35031      0.39419      0.47735
  3602847.54 |       0.17209      0.18759      0.20948      0.22806      0.25162
0.28130      0.33064      0.37910      0.46299
  3602597.54 |       0.16278      0.17785      0.19845      0.22017      0.24626
0.27978      0.32886      0.38157      0.46546
  3602347.54 |       0.15865      0.17412      0.19240      0.21420      0.24531
0.28629      0.33209      0.38072      0.42946
  3602097.54 |       0.15747      0.17391      0.19428      0.21742      0.24747
0.27662      0.30733      0.34059      0.36156
  3601847.54 |       0.15917      0.17594      0.19410      0.21411      0.23651
0.25344      0.27275      0.29399      0.32829
  3601597.54 |       0.16024      0.17462      0.18753      0.20036      0.21155
0.22586      0.24330      0.27215      0.31541
  3601347.54 |       0.15635      0.16522      0.17308      0.18142      0.19379
0.20951      0.23238      0.26541      0.30679
  3601097.54 |       0.14637      0.15203      0.15948      0.17167      0.18522
0.20545      0.23019      0.26593      0.30702

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 157
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RMP      ***
                                  INCLUDING SOURCE(S):     RMP         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48655      0.46702      0.40290      0.38983      0.30451
0.25915      0.11374      0.09505      0.03932
  3605847.54 |       0.59975      0.57445      0.55338      0.48442      0.37788
0.30466      0.21702      0.20513      0.08851
  3605597.54 |       0.77643      0.73004      0.68738      0.63190      0.56031
0.37144      0.24888      0.28510      0.22289
  3605347.54 |       1.04531      1.04639      0.91503      0.83672      0.69172
0.51066      0.42826      0.34379      0.13682
  3605097.54 |       1.19755      1.32660      1.39751      1.34301      1.11329
0.87049      0.66542      0.40356      0.06849
  3604847.54 |       1.24087      1.51283      1.78901      1.97289      1.98348
1.80219      0.90302      0.64038      0.13819
```

```
  3604597.54 |       1.12328      1.48778      1.94240      2.47096      2.93003
3.07783      2.31658      0.67604      0.15631
  3604347.54 |       1.04738      1.29620      1.66016      2.34510      3.53062
4.55673      4.60917      2.97189      0.88501
  3604097.54 |       0.90791      1.17213      1.58409      2.20263      2.98979
4.71121      8.30986      8.64457      3.73304
  3603847.54 |       0.82637      0.97227      1.26149      1.67111      2.45233
3.91805      7.30076     15.79574     23.53610
  3603597.54 |       0.73040      0.86575      1.05748      1.38714      1.80124
2.63257      4.48201      8.23012     28.36856
  3603347.54 |       0.62557      0.76193      0.88830      1.17092      1.64571
2.14258      3.35618      5.82694     15.93996
  3603097.54 |       0.57764      0.70257      0.86116      1.08847      1.39525
1.74872      2.59493      4.66193      7.56928
  3602847.54 |       0.57266      0.70688      0.81981      0.95910      1.12385
1.49186      2.30254      3.41346      4.39287
  3602597.54 |       0.56136      0.59727      0.68871      0.82589      1.01522
1.39907      1.92501      2.48017      2.97888
  3602347.54 |       0.45833      0.51124      0.60246      0.75253      0.97155
1.23366      1.56265      1.87669      2.14204
  3602097.54 |       0.39907      0.45906      0.56939      0.70571      0.88203
1.06971      1.29006      1.47224      1.62280
  3601847.54 |       0.37716      0.44819      0.55515      0.66243      0.78454
0.92895      1.07913      1.18960      1.29178
  3601597.54 |       0.36761      0.44017      0.52627      0.60856      0.70179
0.81278      0.91190      0.99460      1.05231
  3601347.54 |       0.36080      0.42666      0.49256      0.56143      0.63899
0.71373      0.78814      0.84058      0.88831
  3601097.54 |       0.35633      0.40843      0.46038      0.51664      0.57951
0.63348      0.68003      0.72898      0.76719

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RMP      ***
                                  INCLUDING SOURCE(S):     RMP         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.02934      0.02926      0.01796      0.02855      0.01626
0.01105      0.00975      0.00954      0.00822
  3605847.54 |       0.07116      0.09331      0.02518      0.09048      0.02164
0.01700      0.01241      0.01155      0.00968
  3605597.54 |       0.19855      0.13818      0.09459      0.09219      0.06733
0.04187      0.01667      0.01144      0.01026
  3605347.54 |       0.08506      0.17274      0.13009      0.12862      0.14352
0.02850      0.01902      0.01377      0.01319
  3605097.54 |       0.05128      0.05193      0.03953      0.02879      0.03687
0.06725      0.02152      0.01750      0.01387
  3604847.54 |       0.06257      0.03687      0.03218      0.02659      0.02686
0.02376      0.02891      0.02590      0.01971
```

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  3604597.54 |       0.09134      0.05954      0.04079      0.03605      0.02640
0.02244      0.02424      0.02527      0.02981
  3604347.54 |       0.25524      0.13625      0.08196      0.06293      0.03737
0.02946      0.02490      0.02410      0.02377
  3604097.54 |       1.88213      0.86123      0.22771      0.10674      0.07097
0.04192      0.03342      0.03110      0.02682
  3603847.54 |       5.41354      1.60593      0.94934      0.47098      0.16347
0.09269      0.06885      0.06150      0.04257
  3603597.54 |      21.80592      4.23874      1.28805      0.80502      0.52995
0.34577      0.22054      0.17497      0.10042
  3603347.54 |      20.13361      2.16848      1.10347      1.13834      1.83633
0.61185      0.93101      0.46852      0.19595
  3603097.54 |       9.82942      6.87066      0.91308      2.67838      2.16703
1.51454      1.28151      0.37704      0.20064
  3602847.54 |       4.70593      3.89088      3.44295      1.98564      1.52536
1.37843      1.17875      0.89847      0.19204
  3602597.54 |       3.10733      2.73689      2.39443      1.71914      1.35153
1.14294      0.98385      0.59415      0.16148
  3602347.54 |       2.25723      2.06125      1.78474      1.52777      1.24220
0.94828      0.83480      0.78035      0.55491
  3602097.54 |       1.69780      1.60781      1.42265      1.29295      1.11830
0.90326      0.79701      0.65431      0.56661
  3601847.54 |       1.33657      1.28904      1.20197      1.08448      0.97882
0.81295      0.72253      0.65215      0.52373
  3601597.54 |       1.09080      1.08402      1.01158      0.92679      0.83132
0.74860      0.64409      0.59725      0.47534
  3601347.54 |       0.91014      0.91807      0.86412      0.80763      0.70779
0.67581      0.61052      0.52291      0.42602
  3601097.54 |       0.77813      0.78011      0.74680      0.70482      0.63360
0.59935      0.56083      0.46274      0.43456

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 159
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RMP      ***
                                 INCLUDING SOURCE(S):     RMP         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00746      0.00670
  3605847.54 |       0.00835      0.00729
  3605597.54 |       0.00932      0.00840
  3605347.54 |       0.01194      0.00960
  3605097.54 |       0.01160      0.01069
  3604847.54 |       0.01517      0.01604
  3604597.54 |       0.02642      0.01708
  3604347.54 |       0.01926      0.01663
  3604097.54 |       0.02306      0.02045
  3603847.54 |       0.03592      0.03299
  3603597.54 |       0.07559      0.05473
  3603347.54 |       0.09698      0.07688
  3603097.54 |       0.13468      0.10040
  3602847.54 |       0.13216      0.12952
  3602597.54 |       0.14581      0.16262
  3602347.54 |       0.32811      0.42591
  3602097.54 |       0.51743      0.48009
  3601847.54 |       0.44895      0.40396
  3601597.54 |       0.44881      0.36733
  3601347.54 |       0.38853      0.36748
  3601097.54 |       0.35748      0.34510

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 160
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RMP      ***
                                 INCLUDING SOURCE(S):     RMP         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       15.41937                      507708.67
3603932.32        5.24483
         506203.59    3603369.23        0.55687                      507919.87
3604794.52        0.83209
         507037.89    3604916.08        1.79923

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 161
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ROAD     ***
                                 INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                  L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                  L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                  L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
  3606097.54 |       0.26551      0.30063      0.34283      0.39955      0.43436
0.51538      0.55773      0.55923      0.51448
  3605847.54 |       0.26085      0.29895      0.34130      0.41192      0.48157
0.54802      0.61094      0.67452      0.64342
  3605597.54 |       0.25082      0.28469      0.34159      0.40912      0.47801
0.55728      0.64804      0.75136      0.84395
  3605347.54 |       0.28371      0.29259      0.30982      0.34688      0.44061
0.53049      0.63181      0.76391      0.90213
  3605097.54 |       0.28232      0.31436      0.34799      0.35480      0.39140
0.45909      0.59805      0.72095      0.87950
  3604847.54 |       0.26789      0.29825      0.32480      0.36310      0.44064
0.44621      0.51015      0.66791      0.81042
  3604597.54 |       0.25124      0.27840      0.31357      0.36533      0.43411
0.45048      0.53136      0.57301      0.71992
  3604347.54 |       0.23696      0.26021      0.29224      0.33394      0.38956
0.45616      0.53669      0.61750      0.63954
  3604097.54 |       0.21956      0.24895      0.27329      0.30669      0.35039
0.40618      0.49348      0.57296      0.61786
  3603847.54 |       0.20227      0.22602      0.25973      0.28740      0.33121
0.38377      0.43568      0.48538      0.57470
  3603597.54 |       0.18967      0.20846      0.23685      0.26516      0.29315
0.33763      0.37812      0.42837      0.50674
  3603347.54 |       0.17988      0.19908      0.22184      0.24468      0.27289
0.30732      0.35020      0.40429      0.48786
  3603097.54 |       0.17238      0.18848      0.20692      0.23805      0.25945
0.28942      0.34048      0.38843      0.47318
  3602847.54 |       0.16597      0.18233      0.20538      0.22568      0.25100
0.28261      0.33439      0.38583      0.46383
  3602597.54 |       0.16305      0.17900      0.20075      0.22318      0.25067
0.28508      0.33090      0.37315      0.42833
  3602347.54 |       0.16126      0.17714      0.19589      0.21759      0.24693
0.28040      0.31145      0.34108      0.37577
  3602097.54 |       0.16020      0.17643      0.19520      0.21373      0.23499
0.25312      0.27393      0.30288      0.33208
  3601847.54 |       0.15968      0.17328      0.18545      0.19798      0.21304
0.22717      0.24823      0.27467      0.31118
  3601597.54 |       0.15387      0.16283      0.17066      0.18030      0.19216
0.20942      0.23048      0.25919      0.29713
  3601347.54 |       0.14337      0.14942      0.15700      0.16716      0.18213
0.19970      0.22157      0.25003      0.28306
  3601097.54 |       0.13258      0.13922      0.14875      0.16243      0.17681
0.19521      0.21629      0.24479      0.27416

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ROAD     ***
                                 INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                                  ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                      X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52591      0.54999      0.52526      0.52864      0.42653
0.34472      0.14807      0.12663      0.04627
  3605847.54 |       0.62792      0.64333      0.69154      0.67875      0.54073
0.40553      0.29212      0.33108      0.12107
  3605597.54 |       0.80810      0.79138      0.80298      0.84426      0.82247
0.52660      0.33664      0.60180      0.58879
  3605347.54 |       1.04309      1.14397      1.04022      1.02805      0.98197
0.87240      0.79773      0.76037      0.20060
  3605097.54 |       1.07667      1.31315      1.55783      1.69655      1.57156
1.48907      1.28692      0.63823      0.08885
  3604847.54 |       1.02783      1.31592      1.72152      2.20761      2.62859
2.77898      1.80670      1.11392      0.21799
  3604597.54 |       0.92802      1.23227      1.64305      2.27752      3.22358
4.33883      4.69737      1.40040      0.27983
  3604347.54 |       0.84313      1.04849      1.34314      1.95266      3.08165
4.90069      7.72096     10.29442      2.71822
  3604097.54 |       0.69629      0.91512      1.24993      1.74507      2.37965
3.86527      7.95589     18.46340     55.77340
  3603847.54 |       0.67442      0.76401      0.99076      1.27187      1.88708
2.99134      5.56178     12.41533     95.39654
  3603597.54 |       0.63386      0.75789      0.93370      1.23583      1.63693
2.43416      4.05359      7.47546     19.30549
  3603347.54 |       0.58908      0.72577      0.87701      1.15929      1.54444
1.95188      2.99698      4.55594      8.25734
  3603097.54 |       0.57563      0.69799      0.83044      0.98922      1.22833
1.60423      2.23586      3.10983      4.28864
  3602847.54 |       0.54772      0.63260      0.71486      0.85143      1.05367
1.32004      1.74189      2.22196      2.61600
  3602597.54 |       0.48580      0.52659      0.62571      0.77242      0.92084
1.12045      1.39039      1.60485      1.87463
  3602347.54 |       0.41187      0.47571      0.56841      0.68801      0.81152
0.93448      1.09500      1.23007      1.38404
  3602097.54 |       0.37640      0.43442      0.52302      0.60363      0.69391
0.79305      0.89494      0.97967      1.06587
  3601847.54 |       0.35623      0.41277      0.48340      0.53485      0.60007
0.67839      0.74895      0.80238      0.86654
  3601597.54 |       0.33885      0.38785      0.43505      0.47611      0.53088
0.58728      0.63472      0.68301      0.71468
  3601347.54 |       0.32073      0.35906      0.39301      0.43402      0.47984
0.51231      0.55275      0.58298      0.61411
  3601097.54 |       0.30378      0.33107      0.36037      0.39682      0.43089
0.45407      0.47891      0.51112      0.53755

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ROAD     ***
                                 INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
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                 L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                 L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03340      0.03524      0.02062      0.03956      0.01907
0.01300      0.01145      0.01084      0.00918
  3605847.54 |       0.09938      0.14197      0.03191      0.15801      0.02706
0.01969      0.01418      0.01250      0.01046
  3605597.54 |       0.48467      0.22879      0.15299      0.15555      0.10868
0.04913      0.01770      0.01255      0.01140
  3605347.54 |       0.12506      0.30398      0.23362      0.23695      0.19874
0.03227      0.02079      0.01553      0.01483
  3605097.54 |       0.06540      0.07351      0.05335      0.03524      0.04154
0.11294      0.02764      0.02152      0.01602
  3604847.54 |       0.08462      0.05209      0.04302      0.03254      0.03100
0.03075      0.03909      0.03328      0.02522
  3604597.54 |       0.14621      0.08898      0.05391      0.04516      0.03524
0.03046      0.03200      0.03398      0.04380
  3604347.54 |       0.66777      0.21474      0.12928      0.11106      0.05738
0.04289      0.03352      0.03166      0.03145
  3604097.54 |      35.01065      3.89624      0.86143      0.28594      0.14953
0.07156      0.05177      0.04540      0.03652
  3603847.54 |      29.00175      5.73881      2.54203      1.15825      0.37980
0.18558      0.12187      0.10097      0.06320
  3603597.54 |      21.75953      2.42510      1.01965      0.86083      0.66866
0.46662      0.30455      0.24411      0.13741
  3603347.54 |       9.94227      1.94864      0.51367      0.80156      1.59814
0.59303      0.95205      0.52724      0.21554
  3603097.54 |       5.24054      4.39680      0.91301      2.26088      1.78475
1.25909      1.08801      0.35818      0.18505
  3602847.54 |       2.79249      2.62623      2.61610      1.78994      1.42301
1.19147      1.02233      0.76953      0.14943
  3602597.54 |       1.92158      1.83320      1.78271      1.45132      1.24659
1.06052      0.89964      0.54757      0.11935
  3602347.54 |       1.46729      1.39240      1.30723      1.22111      1.10180
0.88707      0.78850      0.70281      0.51515
  3602097.54 |       1.11945      1.09648      1.02773      0.99937      0.94392
0.82092      0.71604      0.59760      0.54468
  3601847.54 |       0.89528      0.88597      0.87370      0.83151      0.78977
0.70993      0.66155      0.58580      0.49943
  3601597.54 |       0.74466      0.76289      0.73366      0.70673      0.65412
0.62731      0.57614      0.54610      0.45199
  3601347.54 |       0.62959      0.65269      0.62760      0.61082      0.54904
0.54749      0.52789      0.47465      0.39529
  3601097.54 |       0.54635      0.55683      0.54431      0.52826      0.49214
0.47769      0.46788      0.39937      0.39819

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ROAD     ***
                                  INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                 L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                 L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                 L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00823      0.00743
  3605847.54 |       0.00913      0.00809
  3605597.54 |       0.01027      0.00910
  3605347.54 |       0.01319      0.01108
  3605097.54 |       0.01417      0.01346
  3604847.54 |       0.01852      0.01921
  3604597.54 |       0.03738      0.02047
  3604347.54 |       0.02473      0.02078
  3604097.54 |       0.02973      0.02536
  3603847.54 |       0.05023      0.04410
  3603597.54 |       0.10138      0.07087
  3603347.54 |       0.10722      0.08674
  3603097.54 |       0.12697      0.09852
  3602847.54 |       0.10516      0.11464
  3602597.54 |       0.10967      0.13738
  3602347.54 |       0.31118      0.37736
  3602097.54 |       0.49202      0.44488
  3601847.54 |       0.43637      0.39558
  3601597.54 |       0.42457      0.35775
  3601347.54 |       0.37036      0.35123
  3601097.54 |       0.33341      0.32894

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ROAD     ***
                                  INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                 L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                 L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                 L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR
POINTS ***
```

** CONC OF TAC IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
- -
- -
508226.78 3603955.63 31.54713 507708.67
3603932.32 4.02370
506203.59 3603369.23 0.51929 507919.87
3604794.52 1.68993
507037.89 3604916.08 1.99425

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 166
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1 ***
INCLUDING SOURCE(S): SC1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
**

Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86 504868.86 505118.86
505368.86 505618.86 505868.86 506118.86
- -
- -

3606097.54 | 0.26618 0.29786 0.33326 0.37508 0.40228
0.45066 0.47497 0.47411 0.44793
3605847.54 | 0.25998 0.29529 0.33414 0.38917 0.44217
0.48966 0.53043 0.56634 0.55021
3605597.54 | 0.24800 0.28073 0.32951 0.38748 0.44658
0.51041 0.57687 0.64344 0.69497
3605347.54 | 0.26531 0.27934 0.30288 0.34190 0.41734
0.49557 0.58102 0.68131 0.77375
3605097.54 | 0.26700 0.29441 0.32377 0.33963 0.37882
0.44114 0.55192 0.66062 0.79099
3604847.54 | 0.25940 0.28701 0.31243 0.34707 0.40884
0.42866 0.49016 0.61007 0.73688
3604597.54 | 0.24437 0.27075 0.30405 0.35091 0.41357
0.43411 0.50401 0.55951 0.67695
3604347.54 | 0.23029 0.25307 0.28337 0.32213 0.37326
0.43512 0.50970 0.58363 0.63724
3604097.54 | 0.21672 0.24387 0.26787 0.29978 0.34068
0.39237 0.47358 0.54673 0.60206
3603847.54 | 0.20235 0.22508 0.25669 0.28376 0.32551
0.37635 0.42539 0.47488 0.55957
3603597.54 | 0.18783 0.20593 0.23196 0.25858 0.28561
0.32653 0.36557 0.41465 0.48634
3603347.54 | 0.17551 0.19339 0.21450 0.23630 0.26290
0.29499 0.33426 0.38274 0.45367
3603097.54 | 0.16812 0.18350 0.20098 0.22833 0.24836
0.27548 0.31826 0.35960 0.42824
3602847.54 | 0.16136 0.17605 0.19597 0.21409 0.23657
0.26430 0.30684 0.35018 0.41775
3602597.54 | 0.15614 0.17046 0.18951 0.20936 0.23316
0.26265 0.30325 0.34771 0.41323

3602347.54 | 0.15358 0.16788 0.18438 0.20356 0.22996
0.26358 0.30121 0.34111 0.38100
3602097.54 | 0.15177 0.16611 0.18357 0.20333 0.22842
0.25335 0.27904 0.30613 0.32557
3601847.54 | 0.15117 0.16562 0.18108 0.19830 0.21721
0.23219 0.24876 0.26719 0.29502
3601597.54 | 0.15016 0.16256 0.17398 0.18523 0.19553
0.20810 0.22347 0.24671 0.27917
3601347.54 | 0.14552 0.15347 0.16089 0.16864 0.17962
0.19320 0.21166 0.23659 0.26626
3601097.54 | 0.13620 0.14172 0.14875 0.15930 0.17091
0.18693 0.20568 0.23120 0.25940

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 167
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1 ***
INCLUDING SOURCE(S): SC1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
**

Y-COORD | X-COORD (METERS)
(METERS) | 506368.86 506618.86 506868.86 507118.86 507368.86
507618.86 507868.86 508118.86 508368.86
- -
- -

3606097.54 | 0.45053 0.45702 0.43102 0.44571 0.39330
0.38123 0.22690 0.18994 0.05733
3605847.54 | 0.53687 0.53886 0.55191 0.52750 0.51570
0.46537 0.35592 0.42331 0.18848
3605597.54 | 0.67635 0.66009 0.65571 0.65662 0.69584
0.59793 0.42904 0.49160 0.46201
3605347.54 | 0.85263 0.89439 0.83837 0.81537 0.76589
0.65875 0.59377 0.57186 0.32550
3605097.54 | 0.93315 1.07149 1.17729 1.20128 1.11703
1.02129 0.87221 0.88928 0.08892
3604847.54 | 0.92058 1.14549 1.40222 1.62265 1.73225
1.75776 1.60697 1.27158 0.35240
3604597.54 | 0.84059 1.08263 1.41346 1.86044 2.34259
2.68746 2.59464 1.67398 0.28519
3604347.54 | 0.79992 0.98238 1.24131 1.69928 2.49908
3.54230 4.26373 3.86899 3.19067
3604097.54 | 0.70364 0.89627 1.17990 1.59446 2.17088
3.30801 5.85264 9.06695 7.12195
3603847.54 | 0.65910 0.77548 0.98954 1.28737 1.82328
2.77254 4.80337 10.32445 37.69610
3603597.54 | 0.59740 0.70876 0.86477 1.11305 1.45284
2.08000 3.35316 6.31438 19.35957
3603347.54 | 0.53866 0.64966 0.77046 0.99435 1.35024
1.81411 2.73731 4.29724 9.54108
3603097.54 | 0.51132 0.61526 0.74920 0.93824 1.18987
1.47336 2.02255 3.25672 5.06685
3602847.54 | 0.50383 0.60928 0.70820 0.82294 0.95318
1.20829 1.71918 2.39826 3.07795
3602597.54 | 0.48780 0.52658 0.59774 0.69817 0.83586
1.08701 1.41514 1.77630 2.11797

```
  3602347.54 |       0.40826      0.45125      0.51993      0.62531      0.77140
0.94161      1.14730      1.35910      1.54692
  3602097.54 |       0.35665      0.40306      0.48080      0.57287      0.68826
0.80710      0.94881      1.07280      1.18485
  3601847.54 |       0.33244      0.38324      0.45502      0.52623      0.60512
0.69606      0.79541      0.87052      0.94893
  3601597.54 |       0.31665      0.36591      0.42281      0.47673      0.53605
0.60683      0.67318      0.72934      0.77717
  3601347.54 |       0.30321      0.34682      0.38999      0.43419      0.48309
0.53220      0.58113      0.61836      0.65779
  3601097.54 |       0.29208      0.32610      0.35978      0.39575      0.43550
0.47156      0.50231      0.53678      0.56836

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03550      0.04180      0.02179      0.05411      0.01998
0.01307      0.01100      0.01068      0.00928
  3605847.54 |       0.17237      0.20662      0.03461      0.21786      0.02823
0.02018      0.01437      0.01309      0.01080
  3605597.54 |       0.48521      0.32930      0.23589      0.21624      0.16222
0.09223      0.01951      0.01298      0.01137
  3605347.54 |       0.22532      0.60186      0.34075      0.30755      0.30761
0.04520      0.02398      0.01549      0.01465
  3605097.54 |       0.06165      0.08206      0.05270      0.03517      0.05932
0.19216      0.02874      0.02174      0.01576
  3604847.54 |       0.07709      0.04589      0.04123      0.03269      0.03302
0.02995      0.04365      0.03676      0.02561
  3604597.54 |       0.12122      0.07708      0.05211      0.04626      0.03163
0.02668      0.02911      0.03244      0.04472
  3604347.54 |       0.89861      0.21198      0.12810      0.09584      0.04589
0.03466      0.02863      0.02713      0.02654
  3604097.54 |       5.53301      4.63246      0.93308      0.17807      0.09417
0.04837      0.03745      0.03497      0.02962
  3603847.54 |      27.40354     10.17081      3.42820      1.47263      0.23677
0.11102      0.07833      0.06965      0.04580
  3603597.54 |     115.30785      7.54085      2.08159      1.31375      0.88478
0.54429      0.31071      0.24698      0.11890
  3603347.54 |      15.46932      6.09021      1.06766      1.70085      2.99129
1.05011      1.54389      0.87873      0.24982
  3603097.54 |       6.82267      5.83727      2.24237      3.05199      2.17629
1.93810      1.57343      0.59577      0.23211
  3602847.54 |       3.59469      3.35938      3.41025      2.11321      1.60399
1.46531      1.18741      1.11430      0.21017
  3602597.54 |       2.35691      2.28762      2.08650      1.72753      1.39374
1.15925      0.99412      0.82137      0.16948
```

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  3602347.54 |       1.70393      1.67959      1.53348      1.39914      1.22684
0.97518      0.84579      0.79255      0.67573
  3602097.54 |       1.28327      1.29028      1.19724      1.12374      1.04450
0.89484      0.90027      0.76337      0.57539
  3601847.54 |       1.01055      1.02407      0.98704      0.92410      0.86792
0.77932      0.70721      0.70312      0.52561
  3601597.54 |       0.82487      0.85176      0.81973      0.77678      0.71953
0.68266      0.62048      0.57890      0.47717
  3601347.54 |       0.68826      0.71630      0.69372      0.66518      0.60638
0.59219      0.56418      0.50532      0.42664
  3601097.54 |       0.58841      0.60658      0.59561      0.57348      0.53490
0.51505      0.49910      0.43727      0.42062

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00829      0.00743
  3605847.54 |       0.00918      0.00802
  3605597.54 |       0.01024      0.00925
  3605347.54 |       0.01348      0.01077
  3605097.54 |       0.01307      0.01197
  3604847.54 |       0.01706      0.01885
  3604597.54 |       0.03777      0.01913
  3604347.54 |       0.02107      0.01792
  3604097.54 |       0.02501      0.02198
  3603847.54 |       0.03806      0.03464
  3603597.54 |       0.08549      0.05901
  3603347.54 |       0.10660      0.08324
  3603097.54 |       0.14489      0.10614
  3602847.54 |       0.13499      0.13969
  3602597.54 |       0.15280      0.19468
  3602347.54 |       0.49288      0.52727
  3602097.54 |       0.52321      0.48375
  3601847.54 |       0.45790      0.41336
  3601597.54 |       0.44469      0.37506
  3601347.54 |       0.39049      0.36585
  3601097.54 |       0.35720      0.34252

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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```
                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1       ***
                                 INCLUDING SOURCE(S):     SC1          ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78   3603955.63       16.33097                       507708.67
3603932.32        3.61097
         506203.59   3603369.23        0.48170                       507919.87
3604794.52        1.70445
         507037.89   3604916.08        1.48038

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC2       ***
                                 INCLUDING SOURCE(S):     SC2          ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26329      0.29654      0.33585      0.38701      0.41952
0.48934      0.52633      0.52830      0.49240
  3605847.54 |       0.25832      0.29449      0.33457      0.39873      0.46201
0.52171      0.57708      0.63177      0.60782
  3605597.54 |       0.24807      0.28053      0.33342      0.39662      0.46065
0.53304      0.61449      0.70530      0.78385
  3605347.54 |       0.27635      0.28582      0.30414      0.34022      0.42546
0.50934      0.60277      0.72230      0.84359
  3605097.54 |       0.27673      0.30667      0.33789      0.34596      0.38151
0.44398      0.56954      0.68295      0.82730
  3604847.54 |       0.26472      0.29377      0.31907      0.35527      0.42728
0.43469      0.49446      0.63276      0.76006
  3604597.54 |       0.24828      0.27463      0.30860      0.35850      0.42564
0.43983      0.51550      0.55945      0.69055
  3604347.54 |       0.23450      0.25705      0.28793      0.32797      0.38141
0.44539      0.52226      0.59655      0.62328
  3604097.54 |       0.21906      0.24775      0.27147      0.30390      0.34614
0.39989      0.48585      0.56068      0.60122
  3603847.54 |       0.20287      0.22619      0.25944      0.28631      0.32943
0.38135      0.43066      0.47647      0.56094
  3603597.54 |       0.18913      0.20732      0.23478      0.26203      0.28869
0.33130      0.36943      0.41677      0.48996
```

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  3603347.54 |       0.17838      0.19701      0.21908      0.24120      0.26836
0.30120      0.34151      0.39144      0.46801
  3603097.54 |       0.17126      0.18692      0.20467      0.23434      0.25408
0.28174      0.32890      0.37235      0.44943
  3602847.54 |       0.16454      0.17995      0.20163      0.22058      0.24427
0.27361      0.32109      0.36765      0.44306
  3602597.54 |       0.16059      0.17579      0.19647      0.21747      0.24274
0.27449      0.31911      0.36515      0.42989
  3602347.54 |       0.15867      0.17363      0.19100      0.21128      0.23994
0.27550      0.31193      0.34663      0.38036
  3602097.54 |       0.15699      0.17227      0.19077      0.21067      0.23506
0.25682      0.27887      0.30487      0.32696
  3601847.54 |       0.15672      0.17121      0.18552      0.20069      0.21751
0.23081      0.24853      0.27037      0.30243
  3601597.54 |       0.15387      0.16483      0.17431      0.18424      0.19455
0.20903      0.22706      0.25301      0.28788
  3601347.54 |       0.14632      0.15308      0.16015      0.16868      0.18153
0.19706      0.21716      0.24357      0.27430
  3601097.54 |       0.13583      0.14162      0.14972      0.16187      0.17484
0.19205      0.21170      0.23842      0.26694

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 172
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC2       ***
                                 INCLUDING SOURCE(S):     SC2          ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50110      0.51967      0.50074      0.53032      0.45580
0.33518      0.16106      0.13879      0.04645
  3605847.54 |       0.59574      0.60659      0.64472      0.64164      0.54928
0.39672      0.31538      0.33556      0.12815
  3605597.54 |       0.75492      0.74201      0.74771      0.77985      0.84161
0.52670      0.35899      0.58097      0.54763
  3605347.54 |       0.96227      1.04146      0.95966      0.94253      0.90928
0.81885      0.72947      0.69721      0.22054
  3605097.54 |       1.00236      1.20400      1.39858      1.49463      1.37599
1.32374      1.16339      0.67870      0.08646
  3604847.54 |       0.95475      1.21185      1.56626      1.96351      2.27342
2.38102      1.82339      1.07287      0.21497
  3604597.54 |       0.87156      1.13279      1.48248      2.02920      2.84068
3.70242      3.81711      1.34194      0.24786
  3604347.54 |       0.80682      0.99547      1.25867      1.75993      2.66569
4.11414      6.21415      6.82637      2.30178
  3604097.54 |       0.68109      0.87892      1.17725      1.61388      2.16332
3.35987      6.34759     13.09898     18.71723
  3603847.54 |       0.65409      0.74313      0.94947      1.20857      1.73065
2.62157      4.49839      8.69903     33.17835
  3603597.54 |       0.60910      0.71934      0.87167      1.12633      1.44218
2.07743      3.48134      5.89944     14.42824
```

```
  3603347.54 |       0.55892      0.67911      0.80370      1.05733      1.46177
1.83929      2.54502      3.94363      7.77702
  3603097.54 |       0.54173      0.65714      0.80046      0.97626      1.16806
1.42227      2.00765      2.93843      4.25246
  3602847.54 |       0.53530      0.63669      0.71280      0.81194      0.96186
1.21422      1.65346      2.18727      2.65432
  3602597.54 |       0.49465      0.52148      0.59939      0.72054      0.85676
1.07458      1.35199      1.61923      1.91026
  3602347.54 |       0.40633      0.45759      0.53688      0.64705      0.78011
0.91394      1.08895      1.25272      1.41826
  3602097.54 |       0.36391      0.41462      0.49661      0.58179      0.68160
0.78292      0.90274      1.00100      1.09688
  3601847.54 |       0.34281      0.39509      0.46653      0.52637      0.59444
0.67619      0.76124      0.82087      0.89167
  3601597.54 |       0.32649      0.37535      0.42764      0.47348      0.52759
0.59077      0.64767      0.69775      0.73610
  3601347.54 |       0.31132      0.35265      0.39120      0.43255      0.47842
0.51918      0.56423      0.59586      0.63137
  3601097.54 |       0.29827      0.32929      0.36061      0.39558      0.43214
0.46221      0.48915      0.52218      0.55187

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC2      ***
                                  INCLUDING SOURCE(S):     SC2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03346      0.03542      0.02114      0.03852      0.01949
0.01303      0.01133      0.01088      0.00936
  3605847.54 |       0.10809      0.14772      0.03133      0.15796      0.02652
0.01989      0.01438      0.01303      0.01073
  3605597.54 |       0.56190      0.23836      0.16125      0.15649      0.10477
0.05663      0.01894      0.01293      0.01146
  3605347.54 |       0.13070      0.31776      0.23706      0.22612      0.23784
0.03437      0.02192      0.01542      0.01512
  3605097.54 |       0.06447      0.07064      0.05215      0.03582      0.04513
0.11025      0.02613      0.02138      0.01577
  3604847.54 |       0.08414      0.04970      0.04265      0.03425      0.03183
0.02993      0.03782      0.03331      0.02425
  3604597.54 |       0.13664      0.08668      0.05655      0.04556      0.03382
0.02800      0.03041      0.03213      0.03993
  3604347.54 |       0.50269      0.23435      0.11689      0.09814      0.05173
0.04011      0.03122      0.02904      0.02893
  3604097.54 |      12.13014      2.37193      0.49421      0.19189      0.11441
0.06018      0.04598      0.04146      0.03396
  3603847.54 |     258.80688      9.23891      2.84211      1.09750      0.32695
0.15888      0.10622      0.08961      0.05736
  3603597.54 |      15.29451      2.54623      1.59039      1.21250      0.82139
0.53392      0.33392      0.25946      0.13963
```

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  3603347.54 |      11.47278      2.24289      0.55244      0.88610      1.99203
0.69035      1.14440      0.58378      0.22992
  3603097.54 |       5.88042      5.21268      1.00903      2.88389      2.09258
1.47165      1.28459      0.39433      0.20485
  3602847.54 |       3.00029      2.94340      3.04785      2.06214      1.60498
1.41850      1.14988      0.87802      0.16628
  3602597.54 |       2.04706      2.02890      1.95903      1.62558      1.40041
1.18369      1.00668      0.62608      0.12765
  3602347.54 |       1.54297      1.52332      1.42696      1.32096      1.21886
0.97936      0.86362      0.79128      0.58232
  3602097.54 |       1.17492      1.18814      1.11419      1.07660      1.01802
0.89839      0.81816      0.67458      0.58787
  3601847.54 |       0.93667      0.95250      0.93870      0.89197      0.84097
0.76575      0.71908      0.65646      0.53660
  3601597.54 |       0.77552      0.81029      0.78600      0.75199      0.69766
0.66504      0.61963      0.59121      0.48501
  3601347.54 |       0.65367      0.68875      0.66981      0.64696      0.58541
0.57853      0.55908      0.50873      0.42498
  3601097.54 |       0.56520      0.58536      0.57813      0.55942      0.52022
0.50589      0.49129      0.42646      0.42524

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC2      ***
                                  INCLUDING SOURCE(S):     SC2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00749
  3605847.54 |       0.00921      0.00819
  3605597.54 |       0.01045      0.00943
  3605347.54 |       0.01343      0.01079
  3605097.54 |       0.01337      0.01269
  3604847.54 |       0.01832      0.01923
  3604597.54 |       0.03478      0.01933
  3604347.54 |       0.02360      0.02027
  3604097.54 |       0.02809      0.02427
  3603847.54 |       0.04636      0.04125
  3603597.54 |       0.10076      0.06998
  3603347.54 |       0.11328      0.09008
  3603097.54 |       0.13746      0.10495
  3602847.54 |       0.11652      0.12447
  3602597.54 |       0.11816      0.14982
  3602347.54 |       0.34520      0.41828
  3602097.54 |       0.53303      0.48364
  3601847.54 |       0.46603      0.42209
  3601597.54 |       0.45476      0.37982
  3601347.54 |       0.39529      0.37328
  3601097.54 |       0.35661      0.34946
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 175
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC2      ***
                                 INCLUDING SOURCE(S):     SC2         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.70312                      507708.67
3603932.32        3.48235
         506203.59    3603369.23        0.49692                      507919.87
3604794.52        1.74428
         507037.89    3604916.08        1.78118

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 176
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26410      0.29789      0.33827      0.39173      0.42581
0.50078      0.54099      0.54391      0.50597
  3605847.54 |       0.25947      0.29597      0.33654      0.40288      0.46873
0.53167      0.59105      0.65065      0.62541
  3605597.54 |       0.24974      0.28237      0.33626      0.40064      0.46599
0.54071      0.62616      0.72333      0.80933
  3605347.54 |       0.27993      0.28896      0.30667      0.34259      0.43014
0.51542      0.61098      0.73529      0.86447
  3605097.54 |       0.27952      0.31028      0.34237      0.34963      0.38522
0.44860      0.57777      0.69277      0.84094
  3604847.54 |       0.26640      0.29587      0.32146      0.35838      0.43281
0.43896      0.49974      0.64361      0.77301
  3604597.54 |       0.24984      0.27632      0.31055      0.36105      0.42891
0.44287      0.52030      0.56323      0.69938
  3604347.54 |       0.23598      0.25868      0.28986      0.33036      0.38443
0.44902      0.52657      0.60176      0.62466
  3604097.54 |       0.21987      0.24888      0.27271      0.30540      0.34808
0.40245      0.48915      0.56498      0.60472
  3603847.54 |       0.20326      0.22671      0.26021      0.28717      0.33048
0.38249      0.43213      0.47805      0.56295
  3603597.54 |       0.18990      0.20823      0.23603      0.26355      0.29042
0.33356      0.37203      0.41973      0.49397
  3603347.54 |       0.17953      0.19838      0.22071      0.24303      0.27047
0.30370      0.34457      0.39537      0.47374
  3603097.54 |       0.17232      0.18813      0.20608      0.23632      0.25639
0.28462      0.33314      0.37785      0.45742
  3602847.54 |       0.16574      0.18147      0.20368      0.22307      0.24732
0.27736      0.32625      0.37422      0.45158
  3602597.54 |       0.16222      0.17772      0.19885      0.22029      0.24620
0.27881      0.32439      0.37013      0.43246
  3602347.54 |       0.16039      0.17564      0.19342      0.21416      0.24333
0.27879      0.31385      0.34629      0.37874
  3602097.54 |       0.15884      0.17445      0.19316      0.21282      0.23642
0.25684      0.27789      0.30423      0.32833
  3601847.54 |       0.15850      0.17280      0.18650      0.20080      0.21689
0.23009      0.24870      0.27205      0.30562
  3601597.54 |       0.15468      0.16503      0.17390      0.18360      0.19428
0.20964      0.22870      0.25558      0.29136
  3601347.54 |       0.14610      0.15260      0.15976      0.16878      0.18235
0.19858      0.21927      0.24628      0.27754
  3601097.54 |       0.13546      0.14150      0.15007      0.16276      0.17621
0.19383      0.21390      0.24108      0.26971

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 177
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.51609      0.53699      0.51847      0.54825      0.46812
0.33537      0.14968      0.12970      0.04528
  3605847.54 |       0.61398      0.62693      0.67016      0.66975      0.55373
0.39525      0.30446      0.32910      0.11887
  3605597.54 |       0.77920      0.76768      0.77595      0.81411      0.84116
0.52304      0.34272      0.60254      0.57012
  3605347.54 |       0.99450      1.08491      0.99804      0.98295      0.95028
0.85966      0.76602      0.73104      0.20762
  3605097.54 |       1.02489      1.24409      1.46407      1.58237      1.45675
1.40903      1.23834      0.65693      0.08722
  3604847.54 |       0.97143      1.23697      1.61611      2.06293      2.43144
2.55340      1.84246      1.05483      0.20561
  3604597.54 |       0.88790      1.15809      1.51647      2.08734      2.98283
3.98713      4.14460      1.23884      0.25334
```

```
  3604347.54 |       0.81360      1.00645      1.27763      1.80423      2.75064
4.29948      6.85675      7.94162      2.14270
  3604097.54 |       0.68198      0.88331      1.18789      1.63341      2.18943
3.43838      6.64931     14.45771     25.18933
  3603847.54 |       0.65599      0.74135      0.94854      1.20395      1.73240
2.63195      4.53296      8.66843     33.12254
  3603597.54 |       0.61515      0.72737      0.88266      1.14459      1.47065
2.14122      3.63664      5.88770     14.59876
  3603347.54 |       0.56718      0.69145      0.82179      1.08724      1.50098
1.84706      2.56496      4.00927      7.53450
  3603097.54 |       0.55283      0.67211      0.81656      0.98237      1.16404
1.44448      2.04955      2.91672      4.11512
  3602847.54 |       0.54366      0.63981      0.71001      0.81354      0.97916
1.23601      1.65690      2.15975      2.57582
  3602597.54 |       0.49278      0.52000      0.60358      0.73293      0.87207
1.08092      1.34853      1.59165      1.86763
  3602347.54 |       0.40670      0.46202      0.54536      0.65795      0.78727
0.91339      1.08179      1.23187      1.39053
  3602097.54 |       0.36773      0.42045      0.50413      0.58750      0.68295
0.78153      0.89484      0.98603      1.07732
  3601847.54 |       0.34729      0.40052      0.47160      0.52825      0.59431
0.67417      0.75421      0.81002      0.87822
  3601597.54 |       0.33066      0.37937      0.42994      0.47390      0.52744
0.58822      0.64186      0.69024      0.72615
  3601347.54 |       0.31459      0.35492      0.39203      0.43301      0.47834
0.51644      0.55989      0.59017      0.62438
  3601097.54 |       0.30041      0.33034      0.36112      0.39616      0.43169
0.45974      0.48564      0.51798      0.54686

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 178
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC3      ***
                                  INCLUDING SOURCE(S):     SC3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03341      0.03520      0.02097      0.03740      0.01950
0.01303      0.01143      0.01095      0.00934
  3605847.54 |       0.09953      0.14004      0.03106      0.15104      0.02635
0.02011      0.01438      0.01296      0.01070
  3605597.54 |       0.57889      0.22867      0.14969      0.14860      0.09973
0.05135      0.01875      0.01286      0.01148
  3605347.54 |       0.12040      0.30262      0.22260      0.21661      0.22529
0.03316      0.02124      0.01550      0.01524
  3605097.54 |       0.06562      0.07002      0.05267      0.03649      0.04331
0.10249      0.02656      0.02157      0.01581
  3604847.54 |       0.08629      0.05128      0.04305      0.03444      0.03120
0.03042      0.03801      0.03314      0.02434
  3604597.54 |       0.14228      0.08956      0.05756      0.04484      0.03443
0.02877      0.03137      0.03279      0.04045
```

```
  3604347.54 |       0.50469      0.24533      0.11542      0.10086      0.05440
0.04132      0.03182      0.02989      0.03025
  3604097.54 |      15.00294      2.16362      0.51710      0.21122      0.12430
0.06461      0.04855      0.04327      0.03525
  3603847.54 |     306.76296     10.00706      2.93902      1.14918      0.36728
0.17560      0.11575      0.09639      0.06117
  3603597.54 |      10.80600      1.97304      1.33092      1.12613      0.78964
0.52231      0.33383      0.26106      0.14409
  3603347.54 |      10.50931      1.88211      0.48064      0.77407      1.75869
0.63338      1.04762      0.54421      0.22517
  3603097.54 |       5.56099      4.88547      0.88539      2.62841      2.01331
1.35584      1.20179      0.36659      0.19689
  3602847.54 |       2.87261      2.81065      3.00028      1.99987      1.56921
1.36849      1.11767      0.82277      0.15616
  3602597.54 |       1.97769      1.95009      1.89790      1.57530      1.37141
1.16263      0.98725      0.58202      0.12107
  3602347.54 |       1.50454      1.47478      1.38574      1.28709      1.19414
0.96306      0.85195      0.77530      0.55513
  3602097.54 |       1.14891      1.15615      1.08456      1.05306      0.99810
0.88423      0.78559      0.64676      0.58175
  3601847.54 |       0.91863      0.93020      0.91881      0.87470      0.82591
0.75293      0.71017      0.63584      0.53168
  3601597.54 |       0.76303      0.79568      0.77143      0.73902      0.68596
0.65462      0.61154      0.58486      0.48068
  3601347.54 |       0.64462      0.67831      0.65889      0.63710      0.57562
0.57039      0.55202      0.50334      0.42009
  3601097.54 |       0.55871      0.57741      0.56978      0.55168      0.51269
0.49938      0.48538      0.42028      0.42147

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 179
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC3      ***
                                  INCLUDING SOURCE(S):     SC3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00748
  3605847.54 |       0.00922      0.00823
  3605597.54 |       0.01053      0.00943
  3605347.54 |       0.01341      0.01087
  3605097.54 |       0.01358      0.01306
  3604847.54 |       0.01874      0.01947
  3604597.54 |       0.03500      0.01956
  3604347.54 |       0.02462      0.02098
  3604097.54 |       0.02903      0.02494
  3603847.54 |       0.04904      0.04338
  3603597.54 |       0.10442      0.07270
  3603347.54 |       0.11342      0.09076
  3603097.54 |       0.13418      0.10347
  3602847.54 |       0.11115      0.12020
  3602597.54 |       0.11156      0.14149
```

```
  3602347.54 |       0.32070      0.39414
  3602097.54 |       0.52724      0.47718
  3601847.54 |       0.46203      0.41890
  3601597.54 |       0.45101      0.37684
  3601347.54 |       0.39205      0.37075
  3601097.54 |       0.35301      0.34722

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC3      ***
                                  INCLUDING SOURCE(S):     SC3         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.94854                      507708.67
3603932.32        3.51637
         506203.59    3603369.23        0.50315                      507919.87
3604794.52        1.71547
         507037.89    3604916.08        1.86855

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 181
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC4      ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26548      0.29930      0.33952      0.39264      0.42550
0.49970      0.53837      0.53934      0.49923
  3605847.54 |       0.26090      0.29786      0.33872      0.40552      0.47117
0.53304      0.59055      0.64786      0.61911
  3605597.54 |       0.25053      0.28369      0.33859      0.40398      0.46999
0.54483      0.62943      0.72440      0.80680
  3605347.54 |       0.28108      0.28996      0.30768      0.34411      0.43346
0.52024      0.61689      0.74138      0.86835
  3605097.54 |       0.28126      0.31207      0.34419      0.35096      0.38661
0.45094      0.58281      0.70013      0.85024
  3604847.54 |       0.26862      0.29836      0.32403      0.36105      0.43607
0.44123      0.50205      0.64834      0.78031
  3604597.54 |       0.25185      0.27870      0.31342      0.36468      0.43339
0.44736      0.52560      0.56763      0.70506
  3604347.54 |       0.23780      0.26075      0.29235      0.33343      0.38833
0.45397      0.53289      0.60973      0.63208
  3604097.54 |       0.22178      0.25120      0.27533      0.30849      0.35183
0.40709      0.49511      0.57244      0.61295
  3603847.54 |       0.20514      0.22895      0.26297      0.29038      0.33443
0.38734      0.43803      0.48503      0.57190
  3603597.54 |       0.19140      0.20994      0.23810      0.26598      0.29321
0.33698      0.37603      0.42446      0.50001
  3603347.54 |       0.18068      0.19973      0.22233      0.24490      0.27269
0.30634      0.34776      0.39922      0.47863
  3603097.54 |       0.17342      0.18938      0.20750      0.23806      0.25825
0.28666      0.33561      0.38061      0.46088
  3602847.54 |       0.16668      0.18249      0.20483      0.22430      0.24868
0.27889      0.32818      0.37647      0.45466
  3602597.54 |       0.16292      0.17850      0.19978      0.22135      0.24739
0.28019      0.32624      0.37298      0.43743
  3602347.54 |       0.16103      0.17636      0.19420      0.21503      0.24449
0.28063      0.31682      0.35063      0.38399
  3602097.54 |       0.15940      0.17507      0.19396      0.21399      0.23828
0.25951      0.28123      0.30780      0.33160
  3601847.54 |       0.15909      0.17365      0.18775      0.20257      0.21915
0.23255      0.25111      0.27431      0.30793
  3601597.54 |       0.15560      0.16630      0.17549      0.18539      0.19607
0.21133      0.23031      0.25729      0.29334
  3601347.54 |       0.14730      0.15396      0.16116      0.17011      0.18362
0.19983      0.22060      0.24781      0.27935
  3601097.54 |       0.13658      0.14260      0.15110      0.16376      0.17722
0.19493      0.21513      0.24254      0.27153

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 182
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC4      ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50911      0.53022      0.51031      0.53618      0.45814
0.32816      0.14353      0.12498      0.04443
  3605847.54 |       0.60486      0.61729      0.66065      0.65733      0.53143
0.38407      0.29321      0.31821      0.11434
  3605597.54 |       0.77130      0.75503      0.76194      0.79975      0.80990
0.49969      0.32924      0.59200      0.56172
  3605347.54 |       0.99324      1.07635      0.97990      0.96114      0.92617
0.83361      0.74987      0.71824      0.19177
```

```
  3605097.54 |       1.03361      1.24684      1.45445      1.55704      1.42324
1.36882      1.19555      0.62404      0.08465
  3604847.54 |       0.98329      1.25292      1.62938      2.05578      2.38479
2.46867      1.70239      0.99601      0.19590
  3604597.54 |       0.89593      1.17111      1.53871      2.11988      2.99574
3.89212      3.94526      1.10982      0.23988
  3604347.54 |       0.82511      1.02048      1.29421      1.83085      2.80288
4.38340      6.76044      7.43363      1.92193
  3604097.54 |       0.69101      0.89759      1.21132      1.67141      2.24478
3.53550      6.86580     14.81005     21.69179
  3603847.54 |       0.66724      0.75423      0.96765      1.23099      1.78145
2.72652      4.75262      9.25616     37.75748
  3603597.54 |       0.62348      0.73807      0.89668      1.16453      1.49702
2.18214      3.73034      6.19648     15.76872
  3603347.54 |       0.57317      0.69884      0.83058      1.09974      1.52477
1.89800      2.64183      4.14190      7.99985
  3603097.54 |       0.55708      0.67776      0.82616      1.00116      1.19154
1.47160      2.09373      3.01099      4.29412
  3602847.54 |       0.54872      0.64900      0.72338      0.82776      0.99298
1.25508      1.69410      2.22133      2.66000
  3602597.54 |       0.50025      0.52811      0.61149      0.74144      0.88310
1.09921      1.37677      1.63018      1.91818
  3602347.54 |       0.41175      0.46681      0.55066      0.66504      0.79813
0.92838      1.10204      1.25768      1.42200
  3602097.54 |       0.37091      0.42393      0.50875      0.59409      0.69241
0.79343      0.91017      1.00422      1.09821
  3601847.54 |       0.34988      0.40373      0.47618      0.53444      0.60205
0.68373      0.76609      0.82335      0.89337
  3601597.54 |       0.33303      0.38256      0.43435      0.47937      0.53388
0.59608      0.65114      0.70067      0.73735
  3601347.54 |       0.31693      0.35810      0.39609      0.43781      0.48396
0.52296      0.56744      0.59832      0.63327
  3601097.54 |       0.30281      0.33341      0.36477      0.40035      0.43656
0.46526      0.49168      0.52466      0.55414

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 183
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC4      ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03292      0.03464      0.02071      0.03661      0.01928
0.01291      0.01133      0.01087      0.00929
  3605847.54 |       0.09595      0.13499      0.03055      0.14621      0.02598
0.01973      0.01425      0.01288      0.01064
  3605597.54 |       0.56848      0.22028      0.14382      0.14284      0.09547
0.05052      0.01862      0.01278      0.01139
  3605347.54 |       0.11568      0.29032      0.21358      0.20723      0.21721
0.03282      0.02114      0.01534      0.01508
```

```
  3605097.54 |       0.06401      0.06817      0.05149      0.03574      0.04283
0.09738      0.02579      0.02122      0.01565
  3604847.54 |       0.08318      0.04986      0.04210      0.03385      0.03088
0.02974      0.03702      0.03246      0.02389
  3604597.54 |       0.13624      0.08638      0.05606      0.04407      0.03373
0.02807      0.03057      0.03198      0.03913
  3604347.54 |       0.46862      0.23183      0.11122      0.09652      0.05234
0.04022      0.03114      0.02907      0.02928
  3604097.54 |      13.14731      1.90843      0.45888      0.19368      0.11633
0.06147      0.04660      0.04175      0.03423
  3603847.54 |     210.61771      8.21218      2.57063      1.03453      0.33355
0.16265      0.10858      0.09111      0.05835
  3603597.54 |      10.67625      2.17092      1.42049      1.12381      0.77363
0.50923      0.32406      0.25260      0.13892
  3603347.54 |      11.21550      1.85621      0.50348      0.79785      1.75157
0.63400      1.02854      0.53148      0.22227
  3603097.54 |       5.81900      5.05816      0.86114      2.62881      2.03773
1.36191      1.20728      0.36596      0.19726
  3602847.54 |       2.96735      2.88856      3.06161      2.02414      1.58431
1.37579      1.12988      0.82623      0.15912
  3602597.54 |       2.03018      1.99451      1.93896      1.60051      1.38407
1.17165      0.99389      0.57289      0.12232
  3602347.54 |       1.53893      1.50393      1.41048      1.30979      1.20799
0.96989      0.85773      0.77859      0.54954
  3602097.54 |       1.17130      1.17634      1.10168      1.06920      1.01235
0.89174      0.78248      0.64379      0.58524
  3601847.54 |       0.93436      0.94469      0.93250      0.88664      0.83746
0.76063      0.71519      0.63455      0.53453
  3601597.54 |       0.77482      0.80737      0.78194      0.74851      0.69412
0.66242      0.61632      0.58839      0.48299
  3601347.54 |       0.65370      0.68757      0.66717      0.64488      0.58156
0.57690      0.55744      0.50650      0.42194
  3601097.54 |       0.56602      0.58464      0.57643      0.55797      0.51786
0.50437      0.49050      0.42305      0.42374

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 184
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC4      ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00832      0.00744
  3605847.54 |       0.00917      0.00818
  3605597.54 |       0.01044      0.00938
  3605347.54 |       0.01330      0.01077
  3605097.54 |       0.01338      0.01284
  3604847.54 |       0.01842      0.01909
  3604597.54 |       0.03404      0.01926
  3604347.54 |       0.02389      0.02048
  3604097.54 |       0.02826      0.02436
```

```
  3603847.54 |       0.04698      0.04173
  3603597.54 |       0.10076      0.07028
  3603347.54 |       0.11176      0.08925
  3603097.54 |       0.13416      0.10302
  3602847.54 |       0.11302      0.12087
  3602597.54 |       0.11356      0.14275
  3602347.54 |       0.31516      0.39182
  3602097.54 |       0.52984      0.47946
  3601847.54 |       0.46457      0.42096
  3601597.54 |       0.45319      0.37869
  3601347.54 |       0.39368      0.37242
  3601097.54 |       0.35441      0.34864

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 185
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC4      ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       21.38698                      507708.67
3603932.32        3.65464
         506203.59    3603369.23        0.50852                      507919.87
3604794.52        1.56592
         507037.89    3604916.08        1.86097

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 186
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC5      ***
                                  INCLUDING SOURCE(S):     SC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26290      0.29670      0.33735      0.39146      0.42685
0.50344      0.54567      0.55059      0.51435
```

```
  3605847.54 |       0.25835      0.29446      0.33480      0.40103      0.46739
0.53174      0.59347      0.65607      0.63385
  3605597.54 |       0.24930      0.28149      0.33466      0.39826      0.46314
0.53799      0.62469      0.72480      0.81535
  3605347.54 |       0.27944      0.28854      0.30615      0.34162      0.42797
0.51205      0.60680      0.73144      0.86358
  3605097.54 |       0.27830      0.30914      0.34136      0.34892      0.38449
0.44727      0.57471      0.68776      0.83442
  3604847.54 |       0.26464      0.29391      0.31944      0.35633      0.43056
0.43735      0.49829      0.64112      0.76873
  3604597.54 |       0.24830      0.27447      0.30828      0.35819      0.42531
0.43917      0.51605      0.55939      0.69517
  3604347.54 |       0.23456      0.25704      0.28792      0.32797      0.38141
0.44515      0.52157      0.59541      0.61799
  3604097.54 |       0.21825      0.24694      0.27050      0.30279      0.34494
0.39859      0.48416      0.55879      0.59773
  3603847.54 |       0.20164      0.22480      0.25786      0.28443      0.32711
0.37832      0.42708      0.47210      0.55532
  3603597.54 |       0.18871      0.20688      0.23442      0.26168      0.28827
0.33094      0.36896      0.41606      0.48932
  3603347.54 |       0.17868      0.19738      0.21953      0.24164      0.26882
0.30173      0.34223      0.39261      0.47038
  3603097.54 |       0.17150      0.18720      0.20504      0.23510      0.25512
0.28330      0.33167      0.37632      0.45563
  3602847.54 |       0.16511      0.18082      0.20300      0.22238      0.24661
0.27659      0.32535      0.37324      0.45002
  3602597.54 |       0.16185      0.17733      0.19840      0.21980      0.24568
0.27825      0.32347      0.36812      0.42806
  3602347.54 |       0.16008      0.17532      0.19311      0.21383      0.24276
0.27752      0.31129      0.34224      0.37388
  3602097.54 |       0.15863      0.17422      0.19277      0.21201      0.23484
0.25437      0.27478      0.30105      0.32574
  3601847.54 |       0.15822      0.17223      0.18545      0.19917      0.21475
0.22784      0.24666      0.27037      0.30408
  3601597.54 |       0.15393      0.16387      0.17240      0.18193      0.19269
0.20828      0.22754      0.25446      0.29011
  3601347.54 |       0.14498      0.15131      0.15848      0.16764      0.18139
0.19772      0.21840      0.24533      0.27639
  3601097.54 |       0.13441      0.14053      0.14924      0.16203      0.17553
0.19312      0.21313      0.24016      0.26847

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC5      ***
                                  INCLUDING SOURCE(S):     SC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52510      0.54622      0.52908      0.56262      0.47970
0.34193      0.15347      0.13251      0.04594
```

```
  3605847.54 |       0.62527      0.63935      0.68338      0.68616      0.57575
0.40544      0.31253      0.33814      0.12155
  3605597.54 |       0.79006      0.78338      0.79380      0.83336      0.87395
0.54494      0.35179      0.61606      0.58177
  3605347.54 |       1.00005      1.09929      1.02074      1.01020      0.97970
0.89189      0.78832      0.74904      0.20802
  3605097.54 |       1.01969      1.24653      1.48215      1.61979      1.50244
1.46187      1.29385      0.68266      0.08984
  3604847.54 |       0.96359      1.22593      1.60956      2.08166      2.49797
2.66215      1.97548      1.10792      0.21354
  3604597.54 |       0.88295      1.15058      1.50226      2.06515      2.98431
4.10934      4.39098      1.35458      0.26773
  3604347.54 |       0.80395      0.99467      1.26422      1.78624      2.71750
4.24272      7.00369      8.64004      2.33495
  3604097.54 |       0.67372      0.87098      1.16845      1.60212      2.14213
3.35683      6.48836     14.19659     30.30270
  3603847.54 |       0.64632      0.72954      0.93143      1.17917      1.68980
2.55207      4.35323      8.19414     30.18859
  3603597.54 |       0.60878      0.71930      0.87225      1.13042      1.45307
2.11707      3.56901      5.62093     13.60288
  3603347.54 |       0.56327      0.68698      0.81704      1.08064      1.48302
1.80022      2.50668      3.89593      7.10828
  3603097.54 |       0.55077      0.66916      0.80952      0.96528      1.13998
1.42515      2.01484      2.82969      3.94312
  3602847.54 |       0.53993      0.63136      0.69764      0.80190      0.96978
1.22156      1.62381      2.10131      2.49179
  3602597.54 |       0.48564      0.51282      0.59751      0.72726      0.86423
1.06511      1.32284      1.55355      1.81748
  3602347.54 |       0.40246      0.45857      0.54192      0.65310      0.77838
0.89986      1.06260      1.20599      1.35892
  3602097.54 |       0.36554      0.41821      0.50105      0.58229      0.67462
0.77065      0.87998      0.96773      1.05604
  3601847.54 |       0.34564      0.39842      0.46814      0.52290      0.58735
0.66529      0.74259      0.79660      0.86286
  3601597.54 |       0.32913      0.37706      0.42627      0.46906      0.52163
0.58078      0.63275      0.67990      0.71477
  3601347.54 |       0.31295      0.35235      0.38850      0.42879      0.47328
0.51021      0.55255      0.58210      0.61548
  3601097.54 |       0.29854      0.32772      0.35793      0.39250      0.42725
0.45447      0.47976      0.51144      0.53969

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 188
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC5      ***
                                  INCLUDING SOURCE(S):     SC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03386      0.03566      0.02120      0.03796      0.01970
0.01315      0.01157      0.01104      0.00938
```

```
  3605847.54 |       0.10142      0.14308      0.03152      0.15426      0.02666
0.02038      0.01450      0.01302      0.01074
  3605597.54 |       0.59138      0.23440      0.15308      0.15238      0.10278
0.05119      0.01885      0.01292      0.01157
  3605347.54 |       0.12313      0.31100      0.22839      0.22345      0.22965
0.03331      0.02122      0.01570      0.01539
  3605097.54 |       0.06742      0.07184      0.05382      0.03726      0.04356
0.10598      0.02718      0.02192      0.01598
  3604847.54 |       0.08926      0.05292      0.04408      0.03499      0.03145
0.03118      0.03895      0.03373      0.02482
  3604597.54 |       0.14916      0.09313      0.05905      0.04567      0.03519
0.02963      0.03230      0.03375      0.04177
  3604347.54 |       0.54273      0.25745      0.12059      0.10520      0.05681
0.04249      0.03265      0.03103      0.03141
  3604097.54 |      17.65974      2.38897      0.58750      0.23247      0.13380
0.06837      0.05081      0.04502      0.03650
  3603847.54 |     232.02127     11.48975      3.29298      1.26706      0.40650
0.19108      0.12429      0.10263      0.06454
  3603597.54 |      10.40056      1.77199      1.20459      1.10535      0.79621
0.53102      0.34149      0.26804      0.14927
  3603347.54 |       9.79697      1.85228      0.45254      0.74041      1.72390
0.62318      1.04572      0.54887      0.22682
  3603097.54 |       5.29590      4.69317      0.89118      2.60160      1.98248
1.33420      1.18197      0.36276      0.19486
  3602847.54 |       2.77283      2.72564      2.78819      1.97018      1.55213
1.35516      1.10325      0.81107      0.15190
  3602597.54 |       1.92193      1.90057      1.85415      1.54571      1.35663
1.15228      0.97882      0.58285      0.11908
  3602347.54 |       1.46890      1.44250      1.35846      1.26261      1.17845
0.95505      0.84562      0.76995      0.55555
  3602097.54 |       1.12540      1.13390      1.06538      1.03581      0.98268
0.87576      0.78289      0.64470      0.57797
  3601847.54 |       0.90208      0.91424      0.90402      0.86185      0.81375
0.74426      0.70465      0.63362      0.52867
  3601597.54 |       0.75074      0.78330      0.76017      0.72886      0.67721
0.64625      0.60620      0.58096      0.47817
  3601347.54 |       0.63523      0.66867      0.65008      0.62888      0.56902
0.56357      0.54620      0.49986      0.41784
  3601097.54 |       0.55126      0.56989      0.56274      0.54507      0.50707
0.49413      0.48003      0.41688      0.41902

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC5      ***
                                  INCLUDING SOURCE(S):     SC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00840      0.00751
  3605847.54 |       0.00928      0.00828
  3605597.54 |       0.01061      0.00947
```

```
  3605347.54 |       0.01351      0.01099
  3605097.54 |       0.01388      0.01334
  3604847.54 |       0.01908      0.01976
  3604597.54 |       0.03595      0.01992
  3604347.54 |       0.02543      0.02153
  3604097.54 |       0.02994      0.02564
  3603847.54 |       0.05142      0.04527
  3603597.54 |       0.10828      0.07535
  3603347.54 |       0.11480      0.09216
  3603097.54 |       0.13350      0.10348
  3602847.54 |       0.10853      0.11869
  3602597.54 |       0.10883      0.13891
  3602347.54 |       0.32146      0.39254
  3602097.54 |       0.52423      0.47438
  3601847.54 |       0.45936      0.41673
  3601597.54 |       0.44870      0.37489
  3601347.54 |       0.39026      0.36904
  3601097.54 |       0.35132      0.34574

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC5      ***
                                  INCLUDING SOURCE(S):     SC5         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.70767                      507708.67
3603932.32        3.39734
         506203.59    3603369.23        0.49945                      507919.87
3604794.52        1.85077
         507037.89    3604916.08        1.88660

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC6      ***
                                  INCLUDING SOURCE(S):     SC6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
     (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26226      0.29598      0.33657      0.39064      0.42620
0.50285      0.54537      0.55078      0.51514
  3605847.54 |       0.25774      0.29368      0.33386      0.39985      0.46607
0.53048      0.59248      0.65548      0.63412
  3605597.54 |       0.24884      0.28087      0.33374      0.39699      0.46156
0.53614      0.62274      0.72302      0.81415
  3605347.54 |       0.27885      0.28796      0.30552      0.34082      0.42665
0.51020      0.60441      0.72855      0.86065
  3605097.54 |       0.27760      0.30836      0.34050      0.34812      0.38359
0.44605      0.57266      0.68489      0.83056
  3604847.54 |       0.26390      0.29306      0.31851      0.35528      0.42921
0.43612      0.49686      0.63889      0.76562
  3604597.54 |       0.24765      0.27370      0.30735      0.35701      0.42380
0.43760      0.51409      0.55736      0.69245
  3604347.54 |       0.23395      0.25636      0.28710      0.32696      0.38013
0.44353      0.51949      0.59282      0.61533
  3604097.54 |       0.21767      0.24625      0.26970      0.30184      0.34378
0.39714      0.48225      0.55639      0.59506
  3603847.54 |       0.20111      0.22418      0.25709      0.28353      0.32600
0.37694      0.42541      0.47012      0.55277
  3603597.54 |       0.18826      0.20637      0.23379      0.26093      0.28741
0.32987      0.36770      0.41455      0.48736
  3603347.54 |       0.17829      0.19692      0.21898      0.24100      0.26807
0.30083      0.34113      0.39126      0.46861
  3603097.54 |       0.17113      0.18678      0.20455      0.23450      0.25444
0.28252      0.33067      0.37511      0.45401
  3602847.54 |       0.16477      0.18043      0.20253      0.22185      0.24599
0.27586      0.32440      0.37207      0.44846
  3602597.54 |       0.16153      0.17696      0.19796      0.21929      0.24508
0.27752      0.32254      0.36698      0.42662
  3602347.54 |       0.15977      0.17497      0.19270      0.21335      0.24217
0.27679      0.31042      0.34123      0.37272
  3602097.54 |       0.15833      0.17387      0.19236      0.21153      0.23428
0.25373      0.27406      0.30021      0.32474
  3601847.54 |       0.15792      0.17188      0.18507      0.19874      0.21426
0.22730      0.24604      0.26962      0.30315
  3601597.54 |       0.15364      0.16355      0.17206      0.18156      0.19228
0.20779      0.22696      0.25376      0.28924
  3601347.54 |       0.14471      0.15103      0.15818      0.16730      0.18099
0.19725      0.21785      0.24466      0.27559
  3601097.54 |       0.13418      0.14028      0.14895      0.16169      0.17514
0.19267      0.21259      0.23952      0.26772

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC6      ***
                                  INCLUDING SOURCE(S):     SC6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
```

```
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52604      0.54715      0.53053      0.56535      0.48209
0.34324      0.15516      0.13379      0.04655
  3605847.54 |       0.62629      0.64066      0.68471      0.68851      0.58166
0.40799      0.31514      0.34102      0.12283
  3605597.54 |       0.79016      0.78472      0.79573      0.83552      0.88100
0.55153      0.35465      0.61784      0.58278
  3605347.54 |       0.99776      1.09845      1.02246      1.01327      0.98372
0.89800      0.79184      0.75111      0.21112
  3605097.54 |       1.01508      1.24211      1.47961      1.62092      1.50693
1.46903      1.30450      0.69005      0.09055
  3604847.54 |       0.95885      1.21904      1.60088      2.07457      2.49855
2.67364      2.00931      1.12246      0.21630
  3604597.54 |       0.87913      1.14480      1.49307      2.05012      2.96512
4.10588      4.42007      1.39594      0.27126
  3604347.54 |       0.79989      0.98923      1.25683      1.77419      2.69479
4.19828      6.95695      8.70771      2.39586
  3604097.54 |       0.67060      0.86623      1.16087      1.58973      2.12291
3.31950      6.39346     13.91202     30.84144
  3603847.54 |       0.64310      0.72572      0.92581      1.17107      1.67550
2.52485      4.29094      8.02884     28.99259
  3603597.54 |       0.60606      0.71576      0.86750      1.12337      1.44284
2.09894      3.52795      5.53470     13.27998
  3603347.54 |       0.56096      0.68388      0.81298      1.07441      1.47289
1.78618      2.48166      3.84766      7.01633
  3603097.54 |       0.54863      0.66627      0.80558      0.96006      1.13306
1.41465      1.99739      2.80396      3.90982
  3602847.54 |       0.53788      0.62876      0.69453      0.79785      0.96401
1.21350      1.61266      2.08684      2.47629
  3602597.54 |       0.48393      0.51086      0.59492      0.72360      0.85949
1.05924      1.31515      1.54539      1.80816
  3602347.54 |       0.40111      0.45683      0.53960      0.65003      0.77470
0.89559      1.05751      1.20078      1.35313
  3602097.54 |       0.36431      0.41666      0.49901      0.57990      0.67188
0.76738      0.87649      0.96412      1.05220
  3601847.54 |       0.34450      0.39700      0.46641      0.52104      0.58519
0.66280      0.74006      0.79398      0.86008
  3601597.54 |       0.32807      0.37581      0.42489      0.46755      0.51985
0.57889      0.63084      0.67786      0.71272
  3601347.54 |       0.31201      0.35130      0.38736      0.42746      0.47178
0.50875      0.55102      0.58052      0.61385
  3601097.54 |       0.29772      0.32684      0.35694      0.39135      0.42604
0.45330      0.47855      0.51015      0.53835

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 193
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC6      ***
                                  INCLUDING SOURCE(S):     SC6          ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
```

```
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03398      0.03577      0.02128      0.03810      0.01975
0.01318      0.01159      0.01106      0.00939
  3605847.54 |       0.10243      0.14394      0.03163      0.15526      0.02675
0.02043      0.01454      0.01306      0.01077
  3605597.54 |       0.59297      0.23603      0.15442      0.15344      0.10334
0.05166      0.01891      0.01295      0.01159
  3605347.54 |       0.12453      0.31387      0.23046      0.22503      0.23165
0.03348      0.02131      0.01573      0.01543
  3605097.54 |       0.06780      0.07231      0.05410      0.03741      0.04383
0.10689      0.02727      0.02199      0.01604
  3604847.54 |       0.08992      0.05317      0.04434      0.03518      0.03161
0.03131      0.03912      0.03387      0.02491
  3604597.54 |       0.15066      0.09391      0.05952      0.04599      0.03537
0.02976      0.03245      0.03390      0.04206
  3604347.54 |       0.55234      0.26133      0.12187      0.10643      0.05721
0.04273      0.03282      0.03120      0.03158
  3604097.54 |      18.15883      2.45506      0.59898      0.23592      0.13538
0.06900      0.05120      0.04533      0.03672
  3603847.54 |     238.22508     11.92601      3.38276      1.29401      0.41385
0.19384      0.12578      0.10371      0.06511
  3603597.54 |      10.51836      1.76330      1.19486      1.11103      0.80267
0.53532      0.34412      0.27007      0.15044
  3603347.54 |       9.71883      1.86842      0.45071      0.74015      1.73197
0.62525      1.05223      0.55275      0.22789
  3603097.54 |       5.26217      4.68705      0.90204      2.61763      1.98763
1.33894      1.18454      0.36382      0.19529
  3602847.54 |       2.75941      2.72127      2.78740      1.97428      1.55584
1.35903      1.10472      0.81283      0.15159
  3602597.54 |       1.91409      1.89764      1.85218      1.54545      1.35919
1.15458      0.98055      0.58625      0.11908
  3602347.54 |       1.46351      1.44021      1.35721      1.26125      1.17910
0.95667      0.84695      0.77133      0.55808
  3602097.54 |       1.12181      1.13209      1.06437      1.03502      0.98189
0.87660      0.78579      0.64692      0.57856
  3601847.54 |       0.89950      0.91281      0.90303      0.86122      0.81296
0.74420      0.70535      0.63548      0.52926
  3601597.54 |       0.74877      0.78199      0.75936      0.72821      0.67681
0.64569      0.60644      0.58153      0.47869
  3601347.54 |       0.63369      0.66756      0.64940      0.62826      0.56877
0.56310      0.54592      0.50018      0.41827
  3601097.54 |       0.55000      0.56898      0.56215      0.54455      0.50675
0.49387      0.47959      0.41694      0.41932

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 194
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC6      ***
                                  INCLUDING SOURCE(S):     SC6          ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
```

(METERS)	510868.86	511118.86
3606097.54	0.00841	0.00753
3605847.54	0.00929	0.00829
3605597.54	0.01063	0.00949
3605347.54	0.01354	0.01102
3605097.54	0.01392	0.01337
3604847.54	0.01913	0.01982
3604597.54	0.03613	0.01999
3604347.54	0.02555	0.02162
3604097.54	0.03010	0.02577
3603847.54	0.05183	0.04559
3603597.54	0.10909	0.07589
3603347.54	0.11531	0.09261
3603097.54	0.13375	0.10372
3602847.54	0.10835	0.11872
3602597.54	0.10864	0.13884
3602347.54	0.32315	0.39387
3602097.54	0.52482	0.47490
3601847.54	0.45975	0.41708
3601597.54	0.44915	0.37517
3601347.54	0.39064	0.36935
3601097.54	0.35165	0.34603

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 195
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SC6 ***
INCLUDING SOURCE(S): SC6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TAC IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
508226.78	3603955.63	18.14825	507708.67	3603932.32	3.35514
506203.59	3603369.23	0.49750	507919.87	3604794.52	1.88927
507037.89	3604916.08	1.88099			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 196
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SC7 ***
INCLUDING SOURCE(S): SC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	504118.86	504368.86	504618.86	504868.86	505118.86	505368.86	505618.86	505868.86	506118.86
3606097.54	0.26062	0.29310	0.33110	0.37930	0.41127	0.47420	0.50843	0.51184	0.48214
3605847.54	0.25500	0.29008	0.32912	0.38932	0.44905	0.50550	0.55761	0.60804	0.59133
3605597.54	0.24487	0.27638	0.32630	0.38616	0.44735	0.51625	0.59312	0.67751	0.74998
3605347.54	0.26939	0.28005	0.29950	0.33528	0.41433	0.49392	0.58277	0.69499	0.80812
3605097.54	0.27000	0.29866	0.32866	0.33917	0.37482	0.43481	0.55075	0.65869	0.79510
3604847.54	0.25895	0.28703	0.31198	0.34711	0.41436	0.42598	0.48457	0.61107	0.73217
3604597.54	0.24306	0.26874	0.30162	0.34938	0.41382	0.42940	0.50145	0.54900	0.67128
3604347.54	0.22964	0.25168	0.28153	0.32001	0.37118	0.43258	0.50630	0.57746	0.61248
3604097.54	0.21505	0.24260	0.26579	0.29719	0.33781	0.38929	0.47156	0.54287	0.58539
3603847.54	0.19957	0.22213	0.25409	0.28023	0.32180	0.37203	0.41942	0.46417	0.54530
3603597.54	0.18584	0.20355	0.22989	0.25621	0.28215	0.32298	0.36000	0.40610	0.47597
3603347.54	0.17503	0.19303	0.21430	0.23577	0.26205	0.29375	0.33252	0.38036	0.45263
3603097.54	0.16807	0.18330	0.20056	0.22883	0.24808	0.27479	0.31926	0.36069	0.43288
3602847.54	0.16142	0.17628	0.19694	0.21520	0.23797	0.26610	0.31084	0.35503	0.42600
3602597.54	0.15719	0.17184	0.19162	0.21182	0.23604	0.26630	0.30863	0.35323	0.41730
3602347.54	0.15520	0.16967	0.18640	0.20589	0.23328	0.26765	0.30396	0.33965	0.37415
3602097.54	0.15350	0.16820	0.18606	0.20565	0.22993	0.25232	0.27491	0.30032	0.32037
3601847.54	0.15320	0.16751	0.18202	0.19761	0.21472	0.22806	0.24475	0.26476	0.29457
3601597.54	0.15114	0.16241	0.17230	0.18236	0.19230	0.20571	0.22240	0.24685	0.28005
3601347.54	0.14464	0.15161	0.15856	0.16656	0.17850	0.19305	0.21217	0.23746	0.26703
3601097.54	0.13459	0.14012	0.14767	0.15906	0.17133	0.18779	0.20669	0.23240	0.26018

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 197
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SC7 ***
INCLUDING SOURCE(S): SC7 ,

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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  3606097.54 |       0.48885      0.50335      0.48518      0.51671      0.44646
0.35148      0.19517      0.16445      0.05043
  3605847.54 |       0.58215      0.59030      0.62002      0.61486      0.59801
0.41832      0.34646      0.37421      0.15584
  3605597.54 |       0.73131      0.72276      0.72616      0.74912      0.82546
0.56549      0.40406      0.56028      0.52396
  3605347.54 |       0.91747      0.99068      0.93005      0.91452      0.88240
0.79261      0.69634      0.66292      0.27561
  3605097.54 |       0.95870      1.14349      1.31761      1.40218      1.30650
1.25325      1.10226      0.75008      0.08995
  3604847.54 |       0.91521      1.15517      1.47777      1.82967      2.10061
2.22082      1.92680      1.18171      0.26358
  3604597.54 |       0.83852      1.07979      1.40516      1.90429      2.61867
3.38821      3.51964      1.77728      0.26700
  3604347.54 |       0.78256      0.96280      1.21316      1.66764      2.47984
3.75456      5.47386      5.92378      2.90693
  3604097.54 |       0.66905      0.85516      1.13240      1.53713      2.06224
3.14445      5.69113     11.18436     15.00490
  3603847.54 |       0.63611      0.72977      0.92720      1.18279      1.66923
2.49442      4.19217      8.13541     29.03394
  3603597.54 |       0.58814      0.69299      0.83781      1.07498      1.37418
1.95129      3.16795      5.51004     12.92924
  3603347.54 |       0.53832      0.65073      0.76719      0.99888      1.36861
1.75273      2.44236      3.70725      7.44490
  3603097.54 |       0.51940      0.62704      0.76205      0.93635      1.13444
1.36621      1.89777      2.85004      4.20693
  3602847.54 |       0.51433      0.61527      0.69475      0.79032      0.92202
1.16120      1.59957      2.14365      2.65755
  3602597.54 |       0.48410      0.51151      0.58277      0.69164      0.82109
1.04059      1.31982      1.60666      1.90326
  3602347.54 |       0.39857      0.44484      0.51770      0.62187      0.75436
0.89485      1.07195      1.24801      1.41553
  3602097.54 |       0.35411      0.40169      0.47952      0.56423      0.66633
0.76914      0.89278      0.99803      1.09680
  3601847.54 |       0.33278      0.38289      0.45249      0.51468      0.58412
0.66597      0.75459      0.81833      0.89018
  3601597.54 |       0.31715      0.36489      0.41765      0.46507      0.51897
0.58322      0.64288      0.69388      0.73493
  3601347.54 |       0.30315      0.34448      0.38388      0.42498      0.47043
0.51364      0.55956      0.59237      0.62877
  3601097.54 |       0.29141      0.32298      0.35441      0.38862      0.42548
0.45756      0.48544      0.51836      0.54836

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 198
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,
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```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03456      0.03751      0.02194      0.04300      0.01999
0.01322      0.01133      0.01093      0.00944
  3605847.54 |       0.13299      0.17175      0.03289      0.18028      0.02742
0.02011      0.01459      0.01322      0.01090
  3605597.54 |       0.54441      0.27058      0.19471      0.18151      0.12614
0.06847      0.01949      0.01314      0.01156
  3605347.54 |       0.16392      0.36439      0.28087      0.25960      0.27022
0.03779      0.02325      0.01564      0.01515
  3605097.54 |       0.06542      0.07642      0.05322      0.03633      0.05041
0.13928      0.02731      0.02189      0.01607
  3604847.54 |       0.08444      0.05013      0.04385      0.03475      0.03337
0.03016      0.03972      0.03504      0.02491
  3604597.54 |       0.13670      0.08605      0.05744      0.04777      0.03391
0.02831      0.03039      0.03256      0.04180
  3604347.54 |       0.62190      0.23543      0.12836      0.10069      0.05102
0.03987      0.03133      0.02899      0.02856
  3604097.54 |       9.87271      3.43524      0.61953      0.19297      0.11234
0.05810      0.04483      0.04085      0.03357
  3603847.54 |     164.18792     11.56788      3.53890      1.27887      0.31742
0.15202      0.10231      0.08734      0.05574
  3603597.54 |      30.32481      3.36321      1.89308      1.35592      0.90423
0.57686      0.35001      0.27125      0.14051
  3603347.54 |      11.58553      3.22515      0.64518      1.07063      2.41732
0.80647      1.34904      0.69401      0.24313
  3603097.54 |       5.86728      5.35416      1.36537      3.06107      2.14274
1.63898      1.40181      0.45322      0.21723
  3602847.54 |       3.05535      3.02557      3.19924      2.10901      1.62429
1.46317      1.16811      0.95552      0.17903
  3602597.54 |       2.07547      2.08120      1.98049      1.65945      1.41577
1.19003      1.01529      0.71363      0.13765
  3602347.54 |       1.55013      1.55202      1.44957      1.33464      1.22832
0.98858      0.86588      0.80341      0.62961
  3602097.54 |       1.18131      1.20527      1.13216      1.08469      1.02265
0.90365      0.86721      0.71621      0.58797
  3601847.54 |       0.94078      0.96373      0.94651      0.89751      0.84382
0.77093      0.72048      0.69882      0.53662
  3601597.54 |       0.77688      0.81367      0.79075      0.75543      0.70134
0.66734      0.62221      0.59159      0.48585
  3601347.54 |       0.65376      0.68952      0.67254      0.64862      0.59020
0.57957      0.55973      0.51002      0.42831
  3601097.54 |       0.56391      0.58571      0.57959      0.56045      0.52279
0.50689      0.49122      0.43081      0.42577

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00842      0.00756
  3605847.54 |       0.00930      0.00820
  3605597.54 |       0.01046      0.00948
  3605347.54 |       0.01367      0.01086
  3605097.54 |       0.01342      0.01261
  3604847.54 |       0.01818      0.01935
  3604597.54 |       0.03647      0.01952
  3604347.54 |       0.02317      0.01992
  3604097.54 |       0.02781      0.02405
  3603847.54 |       0.04526      0.04038
  3603597.54 |       0.10050      0.06930
  3603347.54 |       0.11542      0.09132
  3603097.54 |       0.14252      0.10767
  3602847.54 |       0.12237      0.13037
  3602597.54 |       0.12671      0.16323
  3602347.54 |       0.40155      0.46049
  3602097.54 |       0.53401      0.48679
  3601847.54 |       0.46594      0.42160
  3601597.54 |       0.45442      0.38005
  3601347.54 |       0.39622      0.37280
  3601097.54 |       0.35892      0.34916

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 200
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       15.99032                       507708.67
3603932.32        3.27327
         506203.59    3603369.23        0.48017                       507919.87
3604794.52        1.94868
         507037.89    3604916.08        1.66479

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 201
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.33382      0.37185      0.41354      0.45881      0.49538
0.54253      0.56928      0.56991      0.54748
  3605847.54 |       0.32219      0.36251      0.40852      0.46787      0.52850
0.58534      0.63487      0.67614      0.67093
  3605597.54 |       0.30989      0.34666      0.39711      0.46020      0.52813
0.60292      0.68191      0.76098      0.82315
  3605347.54 |       0.31794      0.34058      0.37505      0.42244      0.49649
0.58276      0.68037      0.79605      0.90746
  3605097.54 |       0.31466      0.34794      0.38413      0.41380      0.46502
0.53462      0.64621      0.76764      0.91611
  3604847.54 |       0.30043      0.33325      0.36610      0.40936      0.47760
0.51836      0.59538      0.71578      0.85656
  3604597.54 |       0.27937      0.30989      0.34770      0.40002      0.47146
0.50322      0.58478      0.66947      0.79970
  3604347.54 |       0.25884      0.28515      0.31917      0.36181      0.41780
0.48610      0.56888      0.65209      0.74004
  3604097.54 |       0.23744      0.26611      0.29313      0.32826      0.37239
0.42797      0.51495      0.59363      0.66426
  3603847.54 |       0.21506      0.23835      0.27024      0.29866      0.34148
0.39422      0.44430      0.49730      0.58411
  3603597.54 |       0.19479      0.21326      0.23859      0.26507      0.29272
0.33278      0.37227      0.42219      0.49159
  3603347.54 |       0.17957      0.19703      0.21744      0.23895      0.26485
0.29572      0.33322      0.37903      0.44361
  3603097.54 |       0.16894      0.18360      0.20036      0.22486      0.24434
0.27024      0.30855      0.34783      0.41028
  3602847.54 |       0.15855      0.17212      0.19018      0.20745      0.22897
0.25559      0.29480      0.33730      0.40243
  3602597.54 |       0.15087      0.16451      0.18225      0.20158      0.22498
0.25433      0.29450      0.33945      0.40308
  3602347.54 |       0.14782      0.16206      0.17876      0.19864      0.22522
0.25872      0.29586      0.33395      0.37091
  3602097.54 |       0.14739      0.16242      0.18061      0.20114      0.22590
0.25005      0.27392      0.29900      0.31789
  3601847.54 |       0.14907      0.16420      0.18012      0.19697      0.21456
0.22828      0.24369      0.26197      0.29102
  3601597.54 |       0.14949      0.16178      0.17285      0.18310      0.19254
0.20431      0.21978      0.24441      0.28077
  3601347.54 |       0.14473      0.15219      0.15896      0.16592      0.17652
0.19028      0.21031      0.23865      0.27471
  3601097.54 |       0.13481      0.13980      0.14627      0.15656      0.16860
0.18613      0.20792      0.23859      0.27462

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 202
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1      ***
                                  INCLUDING SOURCE(S):     SP1         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52903      0.50829      0.45906      0.44608      0.35168
0.30673      0.20232      0.16085      0.05213
  3605847.54 |       0.65687      0.63215      0.60655      0.54593      0.50713
0.38728      0.31951      0.26972      0.14884
  3605597.54 |       0.82129      0.80734      0.77081      0.72097      0.73262
0.53613      0.39006      0.32021      0.23594
  3605347.54 |       1.00518      1.05982      1.02269      0.96504      0.85968
0.66262      0.48387      0.39007      0.25806
  3605097.54 |       1.08391      1.25306      1.38379      1.40716      1.28207
1.09666      0.79550      0.65132      0.08959
  3604847.54 |       1.05670      1.31016      1.61139      1.88510      2.01689
1.98164      1.75832      1.03352      0.29215
  3604597.54 |       0.97707      1.23392      1.58969      2.08800      2.67137
3.12781      2.92363      1.72688      0.26256
  3604347.54 |       0.91225      1.12711      1.42873      1.90867      2.72390
3.90165      4.93728      4.36049      2.36978
  3604097.54 |       0.79208      0.99111      1.28403      1.72003      2.36558
3.54445      5.98579     10.06190      8.04128
  3603847.54 |       0.68922      0.82492      1.03915      1.34857      1.85657
2.73804      4.51786      9.00569     26.75695
  3603597.54 |       0.59456      0.70128      0.84967      1.07468      1.38878
1.92871      2.95076      5.23111     12.83917
  3603347.54 |       0.52131      0.62223      0.73604      0.93747      1.25805
1.69614      2.45593      3.96834      8.91058
  3603097.54 |       0.48797      0.58665      0.71593      0.89532      1.12002
1.38774      1.99350      3.38394      5.36387
  3602847.54 |       0.48702      0.58866      0.67833      0.78205      0.91996
1.22504      1.82606      2.64490      3.47923
  3602597.54 |       0.47397      0.50797      0.57584      0.68179      0.85087
1.16298      1.57293      2.04344      2.46136
  3602347.54 |       0.39633      0.43976      0.51430      0.63731      0.82182
1.05104      1.32112      1.60483      1.83744
  3602097.54 |       0.35032      0.40291      0.49285      0.61177      0.76370
0.92566      1.11711      1.28878      1.43058
  3601847.54 |       0.33323      0.39443      0.48332      0.58215      0.69076
0.81453      0.95083      1.05852      1.15444
  3601597.54 |       0.32625      0.38870      0.46437      0.54064      0.62247
0.72089      0.81424      0.89080      0.95297
  3601347.54 |       0.32171      0.37930      0.43895      0.49898      0.56678
0.64000      0.70699      0.76000      0.80698
  3601097.54 |       0.31813      0.36497      0.41118      0.45988      0.51678
0.57120      0.61599      0.66060      0.69688

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1      ***
                                  INCLUDING SOURCE(S):     SP1         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03493      0.03692      0.02122      0.03975      0.01822
0.01209      0.01042      0.01015      0.00878
  3605847.54 |       0.12585      0.13717      0.03112      0.11971      0.02504
0.01908      0.01367      0.01249      0.01033
  3605597.54 |       0.21558      0.18589      0.15051      0.13237      0.11186
0.06646      0.01855      0.01235      0.01089
  3605347.54 |       0.16346      0.23530      0.19226      0.17882      0.20022
0.03752      0.02192      0.01522      0.01433
  3605097.54 |       0.06275      0.07156      0.04813      0.03383      0.04962
0.13046      0.02602      0.02030      0.01537
  3604847.54 |       0.07945      0.04609      0.03951      0.03115      0.03133
0.02823      0.03717      0.03259      0.02357
  3604597.54 |       0.12403      0.07593      0.05095      0.04410      0.03088
0.02621      0.02853      0.03081      0.03983
  3604347.54 |       0.63939      0.19269      0.11728      0.08846      0.04616
0.03584      0.02904      0.02793      0.02797
  3604097.54 |       2.59079      1.99719      0.65474      0.17044      0.10248
0.05439      0.04209      0.03918      0.03268
  3603847.54 |      12.23049      7.08273      3.34693      1.39332      0.28565
0.14108      0.09821      0.08521      0.05579
  3603597.54 |      49.52912      5.26938      2.16429      1.37913      0.91080
0.57133      0.34033      0.26550      0.13885
  3603347.54 |      13.99538      4.83828      0.90537      1.40029      2.69028
0.93722      1.45747      0.79695      0.25175
  3603097.54 |       6.97129      5.82347      1.84798      2.85081      1.92952
1.76055      1.45460      0.52684      0.23213
  3602847.54 |       4.01774      3.66666      3.49278      2.08770      1.51479
1.36955      1.06935      1.01600      0.20481
  3602597.54 |       2.72469      2.59725      2.22629      1.78370      1.37048
1.10118      0.93222      0.78743      0.16489
  3602347.54 |       1.99725      1.94678      1.71791      1.48163      1.24681
0.96419      0.81059      0.76498      0.66614
  3602097.54 |       1.53172      1.51828      1.37855      1.22958      1.09106
0.90762      0.92687      0.75927      0.54844
  3601847.54 |       1.22044      1.22051      1.14346      1.03679      0.93306
0.81658      0.71226      0.72334      0.50967
  3601597.54 |       1.00169      1.01434      0.96019      0.88624      0.79843
0.72945      0.64564      0.58184      0.47152
  3601347.54 |       0.84000      0.85663      0.81926      0.76766      0.69233
0.64626      0.59749      0.52287      0.43593
  3601097.54 |       0.71897      0.73110      0.70835      0.66922      0.61613
0.57436      0.53846      0.47288      0.43298

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00784      0.00707
  3605847.54 |       0.00886      0.00762
  3605597.54 |       0.00993      0.00887
  3605347.54 |       0.01308      0.01045
  3605097.54 |       0.01288      0.01198
  3604847.54 |       0.01703      0.01803
  3604597.54 |       0.03475      0.01918
  3604347.54 |       0.02249      0.01915
  3604097.54 |       0.02738      0.02393
  3603847.54 |       0.04588      0.04122
  3603597.54 |       0.10082      0.07033
  3603347.54 |       0.11850      0.09372
  3603097.54 |       0.15168      0.11339
  3602847.54 |       0.13811      0.14200
  3602597.54 |       0.14989      0.18474
  3602347.54 |       0.46153      0.50680
  3602097.54 |       0.49535      0.45643
  3601847.54 |       0.43978      0.39286
  3601597.54 |       0.43334      0.36326
  3601347.54 |       0.38773      0.35767
  3601097.54 |       0.36425      0.33879

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 205
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       15.49937                      507708.67
3603932.32        3.63747
         506203.59    3603369.23        0.47084                      507919.87
3604794.52        1.76466
         507037.89    3604916.08        1.72376
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 206
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10     ***
                                 INCLUDING SOURCE(S):     SP10        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.32468      0.36533      0.41328      0.47679      0.50969
0.59715      0.63278      0.61615      0.54561
  3605847.54 |       0.31801      0.36508      0.41595      0.50051      0.58000
0.65035      0.71001      0.76544      0.70217
  3605597.54 |       0.30044      0.34307      0.41578      0.50075      0.58433
0.67599      0.77518      0.87982      0.96017
  3605347.54 |       0.34030      0.34890      0.36849      0.41412      0.53321
0.64603      0.76869      0.92130      1.06624
  3605097.54 |       0.34094      0.37858      0.41747      0.42123      0.46288
0.54441      0.71904      0.87255      1.06430
  3604847.54 |       0.32256      0.35985      0.39131      0.43675      0.53076
0.53004      0.60208      0.79276      0.96418
  3604597.54 |       0.29667      0.32989      0.37315      0.43713      0.52223
0.54055      0.63923      0.68277      0.85643
  3604347.54 |       0.27460      0.30218      0.34037      0.39048      0.45773
0.53848      0.63673      0.73580      0.75644
  3604097.54 |       0.24898      0.28368      0.31199      0.35133      0.40302
0.46931      0.57398      0.66880      0.71888
  3603847.54 |       0.22208      0.24888      0.28738      0.31827      0.36820
0.42814      0.48688      0.54182      0.64333
  3603597.54 |       0.20064      0.22057      0.25121      0.28110      0.31040
0.35791      0.40006      0.45251      0.53521
  3603347.54 |       0.18690      0.20718      0.23092      0.25460      0.28364
0.31843      0.36109      0.41362      0.49467
  3603097.54 |       0.17689      0.19267      0.21020      0.24068      0.25947
0.28624      0.33480      0.37958      0.46200
  3602847.54 |       0.16411      0.17877      0.20021      0.21898      0.24320
0.27396      0.32543      0.37690      0.46281
  3602597.54 |       0.15676      0.17225      0.19418      0.21645      0.24370
0.27897      0.33050      0.38683      0.46310
  3602347.54 |       0.15579      0.17165      0.19033      0.21299      0.24668
0.28945      0.33310      0.37089      0.40189
  3602097.54 |       0.15582      0.17308      0.19500      0.21949      0.24901
0.27326      0.29433      0.31752      0.34116
  3601847.54 |       0.15957      0.17746      0.19506      0.21228      0.22876
0.24011      0.25661      0.28104      0.32052
  3601597.54 |       0.16109      0.17348      0.18291      0.19135      0.19997
0.21445      0.23549      0.26750      0.31249
  3601347.54 |       0.15326      0.15892      0.16429      0.17192      0.18537
0.20382      0.22892      0.26322      0.30639
  3601097.54 |       0.13929      0.14401      0.15158      0.16474      0.18030
0.20182      0.22770      0.26435      0.30758
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 207
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10     ***
                                  INCLUDING SOURCE(S):     SP10        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.53999      0.54692      0.49065      0.45138      0.32652
0.28340      0.11946      0.10554      0.04306
  3605847.54 |       0.65887      0.65011      0.67511      0.61369      0.43421
0.33048      0.23933      0.23173      0.09078
  3605597.54 |       0.87872      0.82015      0.79468      0.79887      0.69801
0.40859      0.27490      0.32910      0.24936
  3605347.54 |       1.19282      1.25160      1.06286      0.98833      0.88233
0.67744      0.53501      0.43307      0.14415
  3605097.54 |       1.28572      1.51855      1.70895      1.73366      1.47119
1.26671      0.88135      0.47993      0.07952
  3604847.54 |       1.23240      1.58004      2.02713      2.44995      2.63413
2.42718      1.26386      0.78359      0.16486
  3604597.54 |       1.10058      1.45811      1.94867      2.70416      3.66892
4.20218      3.61532      0.77753      0.20572
  3604347.54 |       1.00989      1.25738      1.59964      2.30945      3.62031
5.68955      7.75585      6.55481      1.21810
  3604097.54 |       0.80725      1.07225      1.48366      2.09672      2.86834
4.65275      9.37478     19.54554     13.18424
  3603847.54 |       0.75523      0.85038      1.10795      1.42244      2.12943
3.38727      6.26014     13.40006     82.34937
  3603597.54 |       0.67056      0.79683      0.97052      1.26578      1.62724
2.39513      4.24099      7.72666     25.81047
  3603347.54 |       0.59025      0.71766      0.85663      1.14828      1.63667
2.14136      3.04185      5.37118     12.18292
  3603097.54 |       0.56254      0.69466      0.87231      1.09234      1.30647
1.63957      2.56380      4.05421      6.17959
  3602847.54 |       0.57200      0.69260      0.77756      0.88263      1.09042
1.47977      2.16563      3.01648      3.68678
  3602597.54 |       0.53055      0.55652      0.64312      0.80395      1.02120
1.36124      1.78343      2.19533      2.61754
  3602347.54 |       0.42738      0.48867      0.59439      0.75687      0.96792
1.16548      1.43765      1.68214      1.90896
  3602097.54 |       0.38729      0.45568      0.57198      0.70671      0.85628
1.00460      1.19478      1.33606      1.45595
  3601847.54 |       0.37425      0.44947      0.55816      0.65210      0.74811
0.87539      1.00840      1.09087      1.17677
  3601597.54 |       0.36779      0.44253      0.52384      0.58972      0.66829
0.77087      0.85685      0.92715      0.96529
  3601347.54 |       0.36259      0.42686      0.48380      0.54081      0.61330
0.68034      0.74667      0.78923      0.82712
  3601097.54 |       0.35706      0.40420      0.44687      0.49790      0.55926
0.60755      0.64599      0.69104      0.72261
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10     ***
                                  INCLUDING SOURCE(S):     SP10        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03161      0.03190      0.01731      0.03004      0.01688
0.01114      0.01014      0.01023      0.00885
  3605847.54 |       0.07559      0.09680      0.02544      0.09312      0.02298
0.01812      0.01317      0.01224      0.01020
  3605597.54 |       0.21582      0.14720      0.09526      0.09639      0.07121
0.04310      0.01776      0.01207      0.01072
  3605347.54 |       0.09149      0.18448      0.13517      0.13580      0.15801
0.02980      0.01954      0.01425      0.01397
  3605097.54 |       0.05867      0.05601      0.04430      0.03129      0.03834
0.06949      0.02244      0.01875      0.01401
  3604847.54 |       0.07386      0.04028      0.03468      0.02979      0.02785
0.02592      0.03184      0.02811      0.02116
  3604597.54 |       0.11482      0.07040      0.04803      0.03877      0.02949
0.02425      0.02666      0.02841      0.03384
  3604347.54 |       0.34853      0.18426      0.08961      0.07976      0.04412
0.03557      0.02749      0.02520      0.02538
  3604097.54 |       3.63534      0.99030      0.32161      0.15217      0.09496
0.05238      0.04106      0.03749      0.03116
  3603847.54 |      36.24979      4.49911      1.74213      0.77980      0.26283
0.13459      0.09250      0.07922      0.05153
  3603597.54 |      10.33593      2.85962      1.60343      1.12232      0.74756
0.48684      0.30602      0.23637      0.13005
  3603347.54 |      15.53518      1.70832      0.59098      0.89009      1.64173
0.65013      0.94477      0.50297      0.22572
  3603097.54 |       7.85421      6.04079      0.80370      2.49007      1.90374
1.31528      1.16766      0.37788      0.21184
  3602847.54 |       3.96273      3.59672      3.19970      2.07177      1.55844
1.25756      1.05684      0.80500      0.17740
  3602597.54 |       2.67453      2.48954      2.30139      1.75121      1.40153
1.14869      0.94697      0.53470      0.13423
  3602347.54 |       2.02416      1.88474      1.70043      1.50814      1.28612
0.97494      0.84496      0.73811      0.52018
  3602097.54 |       1.52573      1.47818      1.33978      1.25260      1.13679
0.93012      0.75181      0.62129      0.57088
  3601847.54 |       1.21073      1.18855      1.14593      1.05611      0.96372
0.83049      0.73669      0.61708      0.52873
  3601597.54 |       1.00237      1.02347      0.96435      0.90433      0.80733
0.74999      0.65928      0.60038      0.48284
  3601347.54 |       0.84431      0.87424      0.82604      0.78512      0.68400
0.66270      0.62065      0.53345      0.42734
  3601097.54 |       0.73110      0.74367      0.71677      0.68117      0.61920
0.58507      0.55845      0.45890      0.44132
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 209
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10     ***
                                 INCLUDING SOURCE(S):     SP10        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00791      0.00700
  3605847.54 |       0.00863      0.00759
  3605597.54 |       0.00979      0.00857
  3605347.54 |       0.01219      0.00958
  3605097.54 |       0.01195      0.01151
  3604847.54 |       0.01687      0.01754
  3604597.54 |       0.02997      0.01713
  3604347.54 |       0.02092      0.01851
  3604097.54 |       0.02597      0.02257
  3603847.54 |       0.04198      0.03771
  3603597.54 |       0.09437      0.06571
  3603347.54 |       0.11350      0.08989
  3603097.54 |       0.14476      0.11022
  3602847.54 |       0.12712      0.13279
  3602597.54 |       0.12730      0.15476
  3602347.54 |       0.29816      0.37539
  3602097.54 |       0.50462      0.44723
  3601847.54 |       0.45593      0.40639
  3601597.54 |       0.44820      0.37299
  3601347.54 |       0.39327      0.36958
  3601097.54 |       0.35798      0.34864

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10     ***
                                 INCLUDING SOURCE(S):     SP10        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       34.60672                      507708.67
3603932.32        4.79376
         506203.59    3603369.23        0.52707                      507919.87
3604794.52        1.10975
         507037.89    3604916.08        2.21154

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 211
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP11     ***
                                 INCLUDING SOURCE(S):     SP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.31964      0.36035      0.40968      0.47484      0.51434
0.60446      0.64777      0.63977      0.57985
  3605847.54 |       0.31153      0.35689      0.40683      0.48981      0.57075
0.64690      0.71579      0.78231      0.73583
  3605597.54 |       0.29735      0.33706      0.40442      0.48487      0.56646
0.65921      0.76387      0.88082      0.97882
  3605347.54 |       0.33537      0.34485      0.36493      0.40767      0.51696
0.62343      0.74280      0.89775      1.05602
  3605097.54 |       0.33271      0.37049      0.40948      0.41644      0.45807
0.53455      0.69485      0.83759      1.02425
  3604847.54 |       0.31133      0.34723      0.37841      0.42423      0.51565
0.52090      0.59476      0.77170      0.92947
  3604597.54 |       0.28660      0.31780      0.35843      0.41850      0.50031
0.51804      0.61370      0.66431      0.83298
  3604347.54 |       0.26492      0.29113      0.32767      0.37501      0.43808
0.51431      0.60547      0.69585      0.72041
  3604097.54 |       0.23834      0.27123      0.29747      0.33461      0.38327
0.44511      0.54391      0.63158      0.67613
  3603847.54 |       0.21227      0.23736      0.27332      0.30174      0.34807
0.40381      0.45692      0.50572      0.59688
  3603597.54 |       0.19396      0.21273      0.24203      0.27042      0.29811
0.34317      0.38269      0.43119      0.50810
  3603347.54 |       0.18221      0.20138      0.22368      0.24618      0.27325
0.30575      0.34550      0.39425      0.47134
  3603097.54 |       0.17101      0.18606      0.20268      0.23166      0.24991
0.27634      0.32437      0.36943      0.45103
  3602847.54 |       0.15894      0.17392      0.19523      0.21434      0.23882
0.26950      0.32015      0.37200      0.45794
  3602597.54 |       0.15422      0.16997      0.19155      0.21329      0.24072
0.27664      0.32773      0.38000      0.44443
  3602347.54 |       0.15374      0.16966      0.18861      0.21177      0.24513
0.28511      0.32243      0.35169      0.37905
  3602097.54 |       0.15450      0.17240      0.19421      0.21688      0.24250
0.26167      0.27935      0.30295      0.33007
```

```
  3601847.54 |       0.15910      0.17579      0.19075      0.20480      0.21832
0.22926      0.24735      0.27421      0.31465
  3601597.54 |       0.15817      0.16837      0.17561      0.18311      0.19247
0.20850      0.23053      0.26294      0.30809
  3601347.54 |       0.14769      0.15256      0.15811      0.16659      0.18122
0.20019      0.22542      0.25979      0.30288
  3601097.54 |       0.13429      0.13902      0.14782      0.16171      0.17782
0.19914      0.22494      0.26128      0.30355

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 212
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP11     ***
                                  INCLUDING SOURCE(S):     SP11        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.57264      0.57768      0.52773      0.50374      0.37263
0.30572      0.14089      0.12199      0.04621
  3605847.54 |       0.70523      0.69550      0.71807      0.66977      0.50856
0.36510      0.28204      0.25689      0.10394
  3605597.54 |       0.92199      0.88492      0.86018      0.86423      0.82208
0.47922      0.32865      0.35911      0.26592
  3605347.54 |       1.20872      1.30177      1.15686      1.09044      0.99270
0.77902      0.58361      0.47237      0.17290
  3605097.54 |       1.25436      1.52315      1.77543      1.87027      1.62514
1.44699      1.03188      0.60136      0.08810
  3604847.54 |       1.17640      1.51202      1.99143      2.53438      2.91240
2.84986      1.79320      0.98148      0.19668
  3604597.54 |       1.06621      1.39998      1.84627      2.57639      3.72089
4.84569      4.63046      1.13513      0.25094
  3604347.54 |       0.95273      1.19035      1.52792      2.19332      3.39209
5.42829      8.77197      9.11390      1.92183
  3604097.54 |       0.76343      0.99935      1.36304      1.90201      2.58659
4.18546      8.46834     19.79983     29.27578
  3603847.54 |       0.69673      0.78482      1.00974      1.28400      1.86811
2.87247      5.03460      9.81189     43.39615
  3603597.54 |       0.63342      0.74790      0.90459      1.17226      1.50698
2.23599      3.94850      6.43718     19.44848
  3603347.54 |       0.56332      0.68919      0.82644      1.11615      1.57650
1.92644      2.79445      4.90627      9.64172
  3603097.54 |       0.55169      0.68403      0.84773      1.01624      1.19322
1.56722      2.43186      3.63188      5.22540
  3602847.54 |       0.56032      0.65769      0.71953      0.83244      1.05665
1.43082      2.01035      2.72006      3.24956
  3602597.54 |       0.49788      0.52328      0.61873      0.78461      0.99456
1.29077      1.65996      2.00527      2.35577
  3602347.54 |       0.40857      0.47519      0.58264      0.74081      0.93017
1.10156      1.34642      1.55364      1.74773
  3602097.54 |       0.37858      0.44765      0.56189      0.68590      0.81639
0.95379      1.12214      1.24513      1.35030
```

```
  3601847.54 |       0.36829      0.44246      0.54473      0.62679      0.71447
0.83359      0.95038      1.02403      1.10043
  3601597.54 |       0.36284      0.43450      0.50738      0.56603      0.64114
0.73458      0.81067      0.87477      0.90873
  3601347.54 |       0.35687      0.41593      0.46620      0.51993      0.58914
0.64955      0.70905      0.74796      0.78203
  3601097.54 |       0.34968      0.39162      0.43068      0.48044      0.53754
0.58038      0.61603      0.65687      0.68552

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 213
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP11     ***
                                  INCLUDING SOURCE(S):     SP11        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03333      0.03385      0.01829      0.03299      0.01781
0.01154      0.01060      0.01063      0.00895
  3605847.54 |       0.08651      0.11196      0.02724      0.10469      0.02420
0.01922      0.01372      0.01259      0.01033
  3605597.54 |       0.23564      0.16889      0.11126      0.11309      0.08757
0.04500      0.01833      0.01222      0.01092
  3605347.54 |       0.10531      0.21266      0.15702      0.16430      0.18065
0.03073      0.01936      0.01491      0.01440
  3605097.54 |       0.06396      0.06207      0.04813      0.03426      0.03968
0.08748      0.02478      0.01992      0.01457
  3604847.54 |       0.08237      0.04505      0.03826      0.03168      0.02848
0.02812      0.03597      0.03089      0.02298
  3604597.54 |       0.13322      0.07976      0.05253      0.04072      0.03148
0.02667      0.02986      0.03138      0.03899
  3604347.54 |       0.45468      0.21351      0.10414      0.09381      0.05163
0.03851      0.02934      0.02811      0.02930
  3604097.54 |       6.24873      1.65367      0.52752      0.21452      0.12417
0.06388      0.04777      0.04237      0.03460
  3603847.54 |     154.80516      9.77593      2.97148      1.18259      0.38306
0.18110      0.11855      0.09850      0.06200
  3603597.54 |      10.25940      1.88025      1.31075      1.14556      0.81577
0.54226      0.34848      0.27229      0.15105
  3603347.54 |      12.19408      1.84268      0.48128      0.77946      1.69529
0.65124      1.03651      0.55535      0.23833
  3603097.54 |       6.63217      5.30941      0.87358      2.46578      1.81805
1.28819      1.15508      0.38050      0.21010
  3602847.54 |       3.48771      3.21712      3.02172      1.97843      1.48835
1.25362      1.00778      0.79119      0.16579
  3602597.54 |       2.41373      2.26978      2.11387      1.66003      1.34967
1.10801      0.92443      0.57290      0.12875
  3602347.54 |       1.85104      1.73986      1.58389      1.40856      1.23657
0.94546      0.81792      0.72912      0.54229
  3602097.54 |       1.41429      1.37754      1.25646      1.17906      1.07948
0.90244      0.76431      0.63504      0.55627
```

```
  3601847.54 |       1.13325      1.11637      1.07729      1.00084      0.91201
0.80208      0.71682      0.62104      0.51487
  3601597.54 |       0.94387      0.96449      0.91162      0.85853      0.77063
0.71662      0.64247      0.58633      0.47205
  3601347.54 |       0.79904      0.82711      0.78456      0.74641      0.65669
0.63380      0.59911      0.52236      0.41964
  3601097.54 |       0.69457      0.70754      0.68323      0.64984      0.59498
0.56229      0.53535      0.44965      0.43283

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP11     ***
                                 INCLUDING SOURCE(S):     SP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00799      0.00709
  3605847.54 |       0.00877      0.00772
  3605597.54 |       0.01001      0.00871
  3605347.54 |       0.01242      0.00996
  3605097.54 |       0.01281      0.01243
  3604847.54 |       0.01804      0.01842
  3604597.54 |       0.03346      0.01809
  3604347.54 |       0.02398      0.02058
  3604097.54 |       0.02846      0.02444
  3603847.54 |       0.04937      0.04369
  3603597.54 |       0.10907      0.07539
  3603347.54 |       0.12105      0.09660
  3603097.54 |       0.14525      0.11235
  3602847.54 |       0.11985      0.13020
  3602597.54 |       0.11918      0.15044
  3602347.54 |       0.32414      0.38558
  3602097.54 |       0.49596      0.43962
  3601847.54 |       0.44490      0.39858
  3601597.54 |       0.43772      0.36455
  3601347.54 |       0.38532      0.36148
  3601097.54 |       0.35134      0.34156

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 215
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP11     ***
                                 INCLUDING SOURCE(S):     SP11        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       27.32552                     507708.67
3603932.32        4.04416
         506203.59    3603369.23        0.50148                     507919.87
3604794.52        1.63918
         507037.89    3604916.08        2.28842

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 216
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP15     ***
                                 INCLUDING SOURCE(S):     SP15        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.32958      0.37001      0.41474      0.47239      0.49552
0.56805      0.58812      0.55813      0.47978
  3605847.54 |       0.32567      0.37374      0.42448      0.50784      0.58028
0.63807      0.67886      0.71132      0.63189
  3605597.54 |       0.30146      0.34977      0.42786      0.51546      0.59873
0.68514      0.76914      0.84730      0.89327
  3605347.54 |       0.33517      0.34476      0.36860      0.42209      0.55130
0.66941      0.79153      0.93035      1.04057
  3605097.54 |       0.34419      0.37929      0.41472      0.41688      0.46193
0.55529      0.74752      0.91148      1.10009
  3604847.54 |       0.33344      0.37135      0.40204      0.44535      0.53538
0.52953      0.60143      0.80857      1.00932
  3604597.54 |       0.30352      0.33961      0.38693      0.45598      0.54550
0.56402      0.66178      0.69687      0.86597
  3604347.54 |       0.28168      0.31029      0.35013      0.40264      0.47423
0.56167      0.67071      0.78275      0.80838
  3604097.54 |       0.25962      0.29634      0.32665      0.36827      0.42321
0.49404      0.60435      0.70785      0.76765
  3603847.54 |       0.22991      0.25873      0.30009      0.33410      0.38876
0.45482      0.52081      0.58462      0.70121
  3603597.54 |       0.20364      0.22416      0.25573      0.28692      0.31779
0.36763      0.41253      0.46916      0.55864
  3603347.54 |       0.18715      0.20822      0.23349      0.25912      0.29071
0.32971      0.37748      0.43654      0.52619
  3603097.54 |       0.18301      0.20058      0.22009      0.25242      0.27150
0.29733      0.34281      0.38247      0.45969
```

```
  3602847.54 |       0.16908      0.18209      0.20112      0.21677      0.23835
0.26829      0.32062      0.37285      0.45455
  3602597.54 |       0.15192      0.16679      0.18908      0.21287      0.24113
0.27444      0.32117      0.37815      0.47413
  3602347.54 |       0.15342      0.17002      0.18783      0.20768      0.23800
0.28261      0.33878      0.39648      0.43617
  3602097.54 |       0.15250      0.16728      0.18766      0.21418      0.25193
0.28811      0.31629      0.33514      0.34807
  3601847.54 |       0.15341      0.17334      0.19664      0.22167      0.24394
0.25372      0.26372      0.28219      0.31998
  3601597.54 |       0.16203      0.18004      0.19352      0.20216      0.20684
0.21659      0.23424      0.26642      0.31303
  3601347.54 |       0.16112      0.16755      0.17084      0.17484      0.18507
0.20172      0.22798      0.26323      0.30435
  3601097.54 |       0.14520      0.14727      0.15219      0.16304      0.17807
0.20085      0.22748      0.26180      0.30751

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP15     ***
                                INCLUDING SOURCE(S):     SP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.47773      0.48188      0.40463      0.34858      0.27961
0.26262      0.11637      0.10226      0.04174
  3605847.54 |       0.57235      0.56866      0.57829      0.48150      0.34466
0.30994      0.21160      0.20307      0.09071
  3605597.54 |       0.78656      0.70235      0.68418      0.65751      0.51607
0.37018      0.25545      0.26966      0.20901
  3605347.54 |       1.11493      1.11352      0.89441      0.82931      0.68018
0.48839      0.45422      0.34799      0.13427
  3605097.54 |       1.28420      1.43546      1.51127      1.42338      1.19600
0.89481      0.65050      0.40280      0.07077
  3604847.54 |       1.30197      1.63360      1.96315      2.16105      2.07856
1.82790      0.86313      0.66910      0.14331
  3604597.54 |       1.12458      1.54025      2.09126      2.75745      3.27544
3.15492      2.41212      0.72868      0.16485
  3604347.54 |       1.07343      1.31485      1.65951      2.48066      3.97693
5.39827      5.36172      3.13526      0.90164
  3604097.54 |       0.87024      1.17498      1.65533      2.35896      3.18175
5.23362     10.57071     11.86478      4.46885
  3603847.54 |       0.83203      0.94969      1.25812      1.64962      2.54495
4.25414      8.58127     20.62490     56.18103
  3603597.54 |       0.70572      0.84839      1.04929      1.39553      1.83607
2.76238      4.93315      9.63077     46.09139
  3603347.54 |       0.62901      0.75967      0.89153      1.17409      1.66604
2.31834      3.72288      6.28535     18.74482
  3603097.54 |       0.55854      0.69042      0.86554      1.14685      1.50838
1.77017      2.76131      4.91053      8.10505
```

```
  3602847.54 |       0.56172      0.71721      0.86688      0.96475      1.12773
1.54116      2.46007      3.55831      4.48263
  3602597.54 |       0.57832      0.60728      0.66863      0.81885      1.04531
1.48470      1.96690      2.52395      3.04077
  3602347.54 |       0.44826      0.49590      0.60051      0.76674      1.02531
1.26655      1.57893      1.88229      2.15140
  3602097.54 |       0.38860      0.45839      0.57506      0.73328      0.92230
1.06380      1.31089      1.46923      1.60485
  3601847.54 |       0.37556      0.44955      0.57085      0.69298      0.78820
0.92877      1.09324      1.18681      1.27627
  3601597.54 |       0.36645      0.44817      0.54902      0.62344      0.69184
0.82317      0.91627      1.00105      1.03345
  3601347.54 |       0.36439      0.44191      0.51073      0.55825      0.63790
0.72492      0.79013      0.84644      0.87713
  3601097.54 |       0.36576      0.42378      0.46458      0.50832      0.58649
0.64221      0.67883      0.73621      0.76027

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 218
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP15     ***
                                INCLUDING SOURCE(S):     SP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.02991      0.03222      0.01532      0.02924      0.01609
0.01050      0.00921      0.00973      0.00908
  3605847.54 |       0.07492      0.09928      0.02287      0.08837      0.02261
0.01686      0.01230      0.01248      0.01023
  3605597.54 |       0.18612      0.14485      0.09283      0.09400      0.06688
0.04752      0.01851      0.01205      0.01049
  3605347.54 |       0.08661      0.17585      0.12941      0.13088      0.15841
0.03052      0.02023      0.01364      0.01332
  3605097.54 |       0.05181      0.04862      0.04051      0.02784      0.03827
0.06790      0.02001      0.01790      0.01338
  3604847.54 |       0.06348      0.03278      0.02992      0.02699      0.02792
0.02283      0.02968      0.02625      0.01909
  3604597.54 |       0.09331      0.05746      0.04074      0.03703      0.02636
0.02170      0.02265      0.02534      0.03006
  3604347.54 |       0.27805      0.14444      0.08440      0.06569      0.03436
0.02928      0.02533      0.02249      0.02094
  3604097.54 |       2.05819      0.77411      0.25022      0.10572      0.06888
0.03660      0.02961      0.02908      0.02601
  3603847.54 |       7.42643      1.81796      1.04252      0.51425      0.15720
0.08365      0.06072      0.05457      0.03670
  3603597.54 |      20.93009      4.77006      1.43472      0.88998      0.57314
0.36070      0.22271      0.17477      0.09500
  3603347.54 |      21.62502      2.14668      0.95946      1.21815      1.90026
0.67848      0.96947      0.50528      0.20866
  3603097.54 |       9.90955      7.05149      0.94013      2.51328      2.05258
1.48627      1.28868      0.41843      0.21999
```

```
  3602847.54 |       4.68079      4.01075      3.30020      2.01913      1.54394
1.26107      1.12493      0.88130      0.20484
  3602597.54 |       3.06057      2.74693      2.49791      1.71368      1.36857
1.14042      0.92367      0.55983      0.15785
  3602347.54 |       2.26328      2.02727      1.80441      1.59145      1.24434
0.95472      0.84031      0.72259      0.53462
  3602097.54 |       1.67893      1.57245      1.43610      1.31713      1.14455
0.90064      0.77254      0.63645      0.56121
  3601847.54 |       1.31575      1.25958      1.21408      1.09448      1.01614
0.81012      0.71566      0.62802      0.52604
  3601597.54 |       1.07843      1.07941      1.00045      0.94937      0.83350
0.77314      0.63527      0.58489      0.47563
  3601347.54 |       0.90036      0.91686      0.84822      0.82858      0.69901
0.69171      0.62087      0.51342      0.41762
  3601097.54 |       0.77391      0.77641      0.73578      0.70927      0.64020
0.59662      0.58022      0.44859      0.42609

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP15     ***
                                INCLUDING SOURCE(S):     SP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00793      0.00683
  3605847.54 |       0.00844      0.00744
  3605597.54 |       0.00947      0.00849
  3605347.54 |       0.01190      0.00894
  3605097.54 |       0.01072      0.01033
  3604847.54 |       0.01495      0.01634
  3604597.54 |       0.02707      0.01615
  3604347.54 |       0.01644      0.01465
  3604097.54 |       0.02266      0.02020
  3603847.54 |       0.03091      0.02863
  3603597.54 |       0.06980      0.04884
  3603347.54 |       0.09568      0.07416
  3603097.54 |       0.14483      0.10526
  3602847.54 |       0.14208      0.14226
  3602597.54 |       0.14787      0.17385
  3602347.54 |       0.31429      0.42219
  3602097.54 |       0.49080      0.44050
  3601847.54 |       0.44998      0.39695
  3601597.54 |       0.44586      0.36898
  3601347.54 |       0.38799      0.36759
  3601097.54 |       0.35059      0.34419

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 220
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP15     ***
                                INCLUDING SOURCE(S):     SP15        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       25.61017                     507708.67
3603932.32        5.97603
         506203.59    3603369.23        0.56160                     507919.87
3604794.52        0.81057
         507037.89    3604916.08        1.95913

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 221
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP16     ***
                                INCLUDING SOURCE(S):     SP16        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.32370      0.36347      0.40764      0.46240      0.48870
0.55436      0.57514      0.55091      0.48426
  3605847.54 |       0.31787      0.36390      0.41293      0.49060      0.56011
0.61736      0.65971      0.69294      0.63002
  3605597.54 |       0.29466      0.34033      0.41199      0.49378      0.57281
0.65620      0.73889      0.81751      0.86577
  3605347.54 |       0.32429      0.33469      0.35930      0.41072      0.52700
0.63758      0.75318      0.88702      0.99722
  3605097.54 |       0.33258      0.36612      0.40002      0.40546      0.44918
0.53515      0.70805      0.86162      1.03978
  3604847.54 |       0.32102      0.35729      0.38740      0.42945      0.51371
0.51477      0.58355      0.76455      0.94859
  3604597.54 |       0.29202      0.32616      0.37069      0.43576      0.52162
0.54006      0.63214      0.67723      0.82926
  3604347.54 |       0.27175      0.29876      0.33630      0.38560      0.45221
0.53456      0.63604      0.73846      0.77680
  3604097.54 |       0.25038      0.28489      0.31343      0.35290      0.40465
0.47046      0.57609      0.67067      0.72549
```

```
  3603847.54 |       0.22172      0.24866      0.28759      0.31946      0.37076
0.43343      0.49436      0.55201      0.65868
  3603597.54 |       0.19661      0.21605      0.24563      0.27501      0.30401
0.35062      0.39280      0.44551      0.52787
  3603347.54 |       0.18126      0.20119      0.22513      0.24937      0.27932
0.31593      0.36061      0.41566      0.49866
  3603097.54 |       0.17731      0.19405      0.21262      0.24290      0.26096
0.28536      0.32761      0.36448      0.43632
  3602847.54 |       0.16383      0.17618      0.19409      0.20893      0.22932
0.25758      0.30640      0.35539      0.43186
  3602597.54 |       0.14727      0.16141      0.18249      0.20511      0.23190
0.26347      0.30726      0.36023      0.45053
  3602347.54 |       0.14869      0.16461      0.18165      0.20050      0.22906
0.27080      0.32381      0.37960      0.41997
  3602097.54 |       0.14797      0.16202      0.18134      0.20644      0.24226
0.27736      0.30539      0.32442      0.33552
  3601847.54 |       0.14867      0.16763      0.19009      0.21442      0.23642
0.24644      0.25587      0.27232      0.30712
  3601597.54 |       0.15693      0.17464      0.18813      0.19681      0.20147
0.21026      0.22638      0.25640      0.30043
  3601347.54 |       0.15692      0.16349      0.16682      0.17039      0.17993
0.19521      0.21977      0.25347      0.29235
  3601097.54 |       0.14209      0.14395      0.14852      0.15874      0.17272
0.19439      0.21964      0.25227      0.29485

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 222
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP16     ***
                                INCLUDING SOURCE(S):     SP16        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.47675      0.48081      0.41018      0.36414      0.28750
0.27214      0.14315      0.12795      0.04656
  3605847.54 |       0.57883      0.56829      0.57705      0.48982      0.37655
0.32478      0.25461      0.21627      0.10618
  3605597.54 |       0.78182      0.71112      0.68634      0.66313      0.57564
0.39611      0.31908      0.27969      0.20877
  3605347.54 |       1.07542      1.08477      0.90532      0.84079      0.71232
0.50348      0.44844      0.35726      0.16673
  3605097.54 |       1.22005      1.37471      1.46400      1.39469      1.18766
0.92554      0.65471      0.50072      0.07703
  3604847.54 |       1.21831      1.53194      1.85975      2.08435      2.05987
1.90605      1.07572      0.81306      0.18591
  3604597.54 |       1.05697      1.42619      1.92889      2.56678      3.13577
3.22781      2.66819      0.99644      0.19628
  3604347.54 |       1.01437      1.24196      1.55737      2.25693      3.59132
5.02232      5.29620      3.54211      1.38476
  3604097.54 |       0.83163      1.10125      1.52359      2.14870      2.89501
4.58811      9.21602     11.56457      4.98056
```

```
  3603847.54 |       0.77922      0.89872      1.17564      1.54009      2.29994
3.71431      7.12394     16.38729     59.09187
  3603597.54 |       0.66343      0.79226      0.97246      1.27940      1.66781
2.45470      4.21071      7.95441     30.96314
  3603347.54 |       0.59364      0.71347      0.83014      1.08303      1.52302
2.07868      3.31821      5.35334     15.44598
  3603097.54 |       0.52832      0.64965      0.80749      1.05821      1.39436
1.62825      2.45286      4.41778      7.28284
  3602847.54 |       0.53217      0.67658      0.81630      0.91189      1.04689
1.41136      2.25372      3.25124      4.19157
  3602597.54 |       0.55213      0.58046      0.63623      0.76879      0.96949
1.37524      1.83304      2.37863      2.87343
  3602347.54 |       0.43104      0.47312      0.56764      0.71847      0.95606
1.19963      1.48237      1.79450      2.05734
  3602097.54 |       0.37173      0.43591      0.54373      0.68974      0.87505
1.01007      1.24672      1.40693      1.54832
  3601847.54 |       0.35879      0.42791      0.54020      0.65902      0.75601
0.88192      1.04906      1.14029      1.23400
  3601597.54 |       0.35056      0.42623      0.52302      0.59961      0.66228
0.78664      0.88368      0.96337      1.00316
  3601347.54 |       0.34827      0.42235      0.49084      0.53807      0.60872
0.69778      0.76280      0.81776      0.85087
  3601097.54 |       0.35078      0.40745      0.44939      0.48800      0.56189
0.62091      0.65641      0.71281      0.73709

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 223
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP16     ***
                                INCLUDING SOURCE(S):     SP16        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03159      0.03472      0.01648      0.03333      0.01653
0.01087      0.00933      0.00976      0.00923
  3605847.54 |       0.09704      0.11648      0.02476      0.09777      0.02393
0.01739      0.01259      0.01291      0.01043
  3605597.54 |       0.19712      0.16500      0.11188      0.10815      0.08265
0.05943      0.01900      0.01232      0.01067
  3605347.54 |       0.11429      0.20544      0.15081      0.15312      0.18025
0.03317      0.02146      0.01407      0.01353
  3605097.54 |       0.05482      0.05465      0.04278      0.02848      0.04217
0.08530      0.02192      0.01860      0.01379
  3604847.54 |       0.06751      0.03341      0.03186      0.02783      0.02955
0.02386      0.03323      0.02856      0.02051
  3604597.54 |       0.10174      0.06100      0.04187      0.03987      0.02740
0.02253      0.02357      0.02689      0.03333
  3604347.54 |       0.36691      0.15831      0.09444      0.07313      0.03629
0.03030      0.02601      0.02339      0.02169
  3604097.54 |       2.30644      1.24847      0.34509      0.12100      0.07491
0.03821      0.03070      0.03029      0.02689
```

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  3603847.54 |      11.82874      3.06079      1.62585      0.72691      0.17932
0.09004      0.06445      0.05806      0.03833
  3603597.54 |      32.39663      5.88051      1.71124      1.05970      0.68173
0.42236      0.25208      0.19702      0.10273
  3603347.54 |      21.02669      2.86249      0.98160      1.37020      2.36683
0.79525      1.19843      0.62058      0.22831
  3603097.54 |       9.58287      7.00561      1.22295      2.72036      2.05005
1.65009      1.38309      0.48173      0.23469
  3602847.54 |       4.55001      3.94111      3.60658      2.01275      1.53460
1.30705      1.11760      0.95873      0.21459
  3602597.54 |       2.98149      2.68850      2.42027      1.73157      1.35667
1.13611      0.93090      0.65589      0.16431
  3602347.54 |       2.18948      1.99174      1.78485      1.57503      1.23720
0.94704      0.83299      0.73872      0.58599
  3602097.54 |       1.63292      1.55068      1.41624      1.28482      1.14392
0.89342      0.81759      0.68643      0.55817
  3601847.54 |       1.28213      1.24213      1.18146      1.08101      0.99410
0.81273      0.70904      0.65155      0.52049
  3601597.54 |       1.04954      1.05669      0.97736      0.93626      0.81710
0.76754      0.63397      0.58047      0.47082
  3601347.54 |       0.87690      0.89660      0.83370      0.80955      0.69421
0.67592      0.61969      0.51030      0.41676
  3601097.54 |       0.75273      0.76022      0.72464      0.69041      0.63512
0.58595      0.57123      0.45356      0.42251

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP16     ***
                                 INCLUDING SOURCE(S):     SP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00804      0.00695
  3605847.54 |       0.00861      0.00750
  3605597.54 |       0.00960      0.00868
  3605347.54 |       0.01222      0.00913
  3605097.54 |       0.01116      0.01046
  3604847.54 |       0.01525      0.01681
  3604597.54 |       0.02966      0.01663
  3604347.54 |       0.01694      0.01497
  3604097.54 |       0.02335      0.02075
  3603847.54 |       0.03222      0.02980
  3603597.54 |       0.07459      0.05156
  3603347.54 |       0.10144      0.07811
  3603097.54 |       0.15204      0.11013
  3602847.54 |       0.14641      0.14795
  3602597.54 |       0.15329      0.18547
  3602347.54 |       0.36996      0.46385
  3602097.54 |       0.49081      0.44014
  3601847.54 |       0.44633      0.39440
  3601597.54 |       0.44162      0.36600
  3601347.54 |       0.38462      0.36364
  3601097.54 |       0.34956      0.34069

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 225
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP16     ***
                                 INCLUDING SOURCE(S):     SP16        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       23.98953                      507708.67
3603932.32        5.16702
         506203.59    3603369.23        0.53136                      507919.87
3604794.52        1.03365
         507037.89    3604916.08        1.89160

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 226
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP17     ***
                                 INCLUDING SOURCE(S):     SP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.32168      0.36070      0.40365      0.45578      0.48199
0.54176      0.56089      0.53859      0.47790
  3605847.54 |       0.31534      0.36012      0.40820      0.48205      0.54841
0.60314      0.64326      0.67393      0.61829
  3605597.54 |       0.29272      0.33744      0.40591      0.48431      0.56062
0.64070      0.71967      0.79363      0.83855
  3605347.54 |       0.31823      0.33003      0.35628      0.40769      0.51750
0.62348      0.73462      0.86174      0.96586
  3605097.54 |       0.32629      0.35873      0.39159      0.39971      0.44453
0.52853      0.69206      0.83932      1.00933
  3604847.54 |       0.31597      0.35113      0.38078      0.42172      0.50165
0.50686      0.57582      0.74729      0.92511
```

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  3604597.54 |       0.28796      0.32152      0.36513      0.42820      0.51161
0.53016      0.61838      0.66697      0.81153
  3604347.54 |       0.26754      0.29430      0.33100      0.37889      0.44411
0.52420      0.62357      0.72214      0.76768
  3604097.54 |       0.24727      0.28081      0.30881      0.34744      0.39733
0.46139      0.56388      0.65558      0.71195
  3603847.54 |       0.21954      0.24606      0.28395      0.31547      0.36570
0.42704      0.48622      0.54302      0.64699
  3603597.54 |       0.19456      0.21370      0.24250      0.27140      0.29986
0.34530      0.38662      0.43834      0.51834
  3603347.54 |       0.17846      0.19798      0.22110      0.24473      0.27398
0.30952      0.35325      0.40693      0.48760
  3603097.54 |       0.17465      0.19122      0.20970      0.23933      0.25779
0.28243      0.32353      0.35906      0.42656
  3602847.54 |       0.16259      0.17495      0.19221      0.20652      0.22580
0.25223      0.29830      0.34596      0.41978
  3602597.54 |       0.14538      0.15881      0.17868      0.20060      0.22687
0.25782      0.29993      0.34930      0.43516
  3602347.54 |       0.14573      0.16153      0.17856      0.19700      0.22411
0.26315      0.31410      0.37113      0.41617
  3602097.54 |       0.14581      0.15941      0.17753      0.20146      0.23592
0.27179      0.30234      0.32310      0.33240
  3601847.54 |       0.14565      0.16377      0.18575      0.21061      0.23406
0.24545      0.25462      0.26890      0.30086
  3601597.54 |       0.15368      0.17166      0.18619      0.19603      0.20100
0.20877      0.22316      0.25117      0.29368
  3601347.54 |       0.15522      0.16264      0.16640      0.16965      0.17821
0.19237      0.21553      0.24840      0.28597
  3601097.54 |       0.14166      0.14350      0.14761      0.15691      0.16992
0.19072      0.21569      0.24731      0.28769

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 227
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP17     ***
                                 INCLUDING SOURCE(S):     SP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.46914      0.47064      0.40207      0.35972      0.28384
0.26903      0.15977      0.14081      0.04887
  3605847.54 |       0.57059      0.55842      0.56210      0.47726      0.38012
0.32330      0.27006      0.21779      0.11513
  3605597.54 |       0.76482      0.69963      0.67390      0.64623      0.57287
0.40013      0.34277      0.27742      0.20485
  3605347.54 |       1.03860      1.04649      0.88770      0.82604      0.70192
0.49427      0.43452      0.35125      0.18754
  3605097.54 |       1.17948      1.32311      1.40287      1.33505      1.14777
0.89687      0.63428      0.53099      0.07952
  3604847.54 |       1.18176      1.47701      1.77929      1.98214      1.95717
1.83466      1.12588      0.83166      0.21813
```

```
  3604597.54 |       1.02921      1.38180      1.85575      2.44290      2.95461
3.06022      2.57081      1.11063      0.21314
  3604347.54 |       0.98958      1.20782      1.51538      2.17651      3.40471
4.66831      4.86795      3.32683      1.57413
  3604097.54 |       0.82297      1.08185      1.48218      2.06711      2.77624
4.36676      8.43526     10.26163      4.56721
  3603847.54 |       0.76510      0.88977      1.15768      1.51867      2.23998
3.57783      6.72553     15.21357     47.71273
  3603597.54 |       0.64879      0.77297      0.94731      1.24015      1.61859
2.36845      3.99793      7.51240     29.47787
  3603347.54 |       0.58057      0.69817      0.81089      1.04660      1.45074
1.96280      3.22371      5.01989     14.80775
  3603097.54 |       0.51281      0.62724      0.77619      1.00716      1.35362
1.60194      2.31825      4.29786      7.22244
  3602847.54 |       0.51459      0.64969      0.79378      0.90378      1.01596
1.35140      2.17423      3.17330      4.19048
  3602597.54 |       0.53908      0.57559      0.62823      0.74500      0.93220
1.32555      1.79900      2.35732      2.86463
  3602347.54 |       0.42841      0.46453      0.55108      0.69415      0.92168
1.17990      1.45347      1.78708      2.05576
  3602097.54 |       0.36438      0.42437      0.52762      0.66757      0.85653
0.99564      1.22950      1.40036      1.54923
  3601847.54 |       0.35027      0.41660      0.52351      0.64412      0.74744
0.86616      1.03996      1.13412      1.23339
  3601597.54 |       0.34207      0.41454      0.51064      0.59123      0.65309
0.77452      0.87784      0.95597      1.00234
  3601347.54 |       0.33940      0.41234      0.48293      0.53212      0.59802
0.68984      0.75707      0.81176      0.84818
  3601097.54 |       0.34263      0.40038      0.44466      0.48104      0.55235
0.61556      0.65170      0.70751      0.73368

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 228
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP17     ***
                                 INCLUDING SOURCE(S):     SP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03246      0.03574      0.01701      0.03609      0.01692
0.01109      0.00935      0.00968      0.00926
  3605847.54 |       0.11161      0.12253      0.02589      0.10112      0.02450
0.01731      0.01258      0.01293      0.01057
  3605597.54 |       0.19691      0.16926      0.12156      0.11307      0.09309
0.06794      0.01916      0.01259      0.01077
  3605347.54 |       0.13519      0.21231      0.15955      0.15884      0.18384
0.03543      0.02218      0.01436      0.01348
  3605097.54 |       0.05585      0.05896      0.04338      0.02867      0.04615
0.09634      0.02360      0.01900      0.01420
  3604847.54 |       0.06838      0.03346      0.03282      0.02780      0.03054
0.02426      0.03531      0.03025      0.02113
```

```
  3604597.54 |       0.10313      0.06043      0.04214      0.04123      0.02764
0.02332      0.02386      0.02733      0.03528
  3604347.54 |       0.41793      0.16187      0.10010      0.07415      0.03661
0.02961      0.02598      0.02396      0.02207
  3604097.54 |       2.16020      1.53830      0.42470      0.13255      0.07527
0.03824      0.02985      0.02933      0.02627
  3603847.54 |      10.29467      3.31629      1.90355      0.85900      0.18418
0.08949      0.06381      0.05789      0.03790
  3603597.54 |      55.44503      6.72202      1.76404      1.08797      0.70061
0.43238      0.25482      0.20130      0.10231
  3603347.54 |      21.84177      3.64649      1.10779      1.54634      2.64534
0.87978      1.32523      0.70273      0.23669
  3603097.54 |       9.70344      7.11859      1.49970      2.82399      2.08986
1.74491      1.44291      0.52903      0.24259
  3602847.54 |       4.65009      4.01367      3.74768      2.03005      1.53655
1.33395      1.13088      1.00015      0.22439
  3602597.54 |       3.02561      2.72966      2.42909      1.75440      1.35854
1.13453      0.93319      0.71251      0.17431
  3602347.54 |       2.20032      2.01746      1.80231      1.58347      1.23910
0.94818      0.83069      0.74466      0.60901
  3602097.54 |       1.64020      1.56688      1.42699      1.28695      1.14664
0.89329      0.83965      0.70782      0.55610
  3601847.54 |       1.28580      1.25201      1.18307      1.08448      0.99333
0.81552      0.70724      0.66462      0.51867
  3601597.54 |       1.04998      1.05858      0.97901      0.93777      0.81755
0.76848      0.63429      0.57881      0.46967
  3601347.54 |       0.87536      0.89611      0.83533      0.80813      0.69739
0.67465      0.61967      0.50975      0.41772
  3601097.54 |       0.75012      0.76003      0.72572      0.68807      0.63679
0.58525      0.56999      0.45650      0.42165

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 229
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP17     ***
                                 INCLUDING SOURCE(S):     SP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00811      0.00706
  3605847.54 |       0.00875      0.00750
  3605597.54 |       0.00959      0.00870
  3605347.54 |       0.01252      0.00927
  3605097.54 |       0.01128      0.01056
  3604847.54 |       0.01513      0.01685
  3604597.54 |       0.03073      0.01695
  3604347.54 |       0.01703      0.01470
  3604097.54 |       0.02306      0.02068
  3603847.54 |       0.03194      0.02946
  3603597.54 |       0.07402      0.05086
  3603347.54 |       0.10129      0.07803
  3603097.54 |       0.15454      0.11118
  3602847.54 |       0.15057      0.15202
  3602597.54 |       0.16135      0.19623
  3602347.54 |       0.41244      0.49243
  3602097.54 |       0.48996      0.44174
  3601847.54 |       0.44466      0.39275
  3601597.54 |       0.44011      0.36492
  3601347.54 |       0.38396      0.36226
  3601097.54 |       0.35011      0.33949

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 230
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP17     ***
                                 INCLUDING SOURCE(S):     SP17        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       20.61405                     507708.67
3603932.32        4.89815
         506203.59    3603369.23        0.51900                     507919.87
3604794.52        1.10116
         507037.89    3604916.08        1.80294

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 231
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.32208      0.36067      0.40229      0.45250      0.47677
0.53322      0.55019      0.52699      0.46718
  3605847.54 |       0.31624      0.36057      0.40833      0.48037      0.54436
0.59630      0.63283      0.66040      0.60423
  3605597.54 |       0.29389      0.33883      0.40676      0.48416      0.55937
0.63703      0.71189      0.78029      0.82030
```

```
  3605347.54 |       0.31682      0.32974      0.35760      0.40980      0.51856
0.62320      0.73203      0.85387      0.95027
  3605097.54 |       0.32492      0.35672      0.38928      0.39880      0.44554
0.53113      0.69345      0.83861      1.00354
  3604847.54 |       0.31653      0.35110      0.38006      0.42019      0.49839
0.50478      0.57585      0.74919      0.92773
  3604597.54 |       0.28930      0.32339      0.36718      0.42990      0.51244
0.53034      0.61638      0.66417      0.80836
  3604347.54 |       0.26798      0.29487      0.33188      0.38045      0.44632
0.52775      0.62743      0.72615      0.77137
  3604097.54 |       0.24840      0.28188      0.31016      0.34869      0.39896
0.46311      0.56645      0.65868      0.71701
  3603847.54 |       0.22158      0.24845      0.28677      0.31855      0.36926
0.43158      0.49158      0.54941      0.65453
  3603597.54 |       0.19617      0.21559      0.24473      0.27384      0.30273
0.34869      0.39055      0.44355      0.52439
  3603347.54 |       0.17851      0.19789      0.22099      0.24448      0.27354
0.30907      0.35289      0.40714      0.48867
  3603097.54 |       0.17444      0.19125      0.20990      0.24018      0.25941
0.28484      0.32696      0.36260      0.42891
  3602847.54 |       0.16407      0.17665      0.19418      0.20826      0.22689
0.25208      0.29673      0.34334      0.41752
  3602597.54 |       0.14601      0.15871      0.17772      0.19900      0.22536
0.25667      0.29851      0.34586      0.42877
  3602347.54 |       0.14467      0.16056      0.17803      0.19659      0.22299
0.26045      0.31011      0.36905      0.42062
  3602097.54 |       0.14565      0.15903      0.17640      0.19925      0.23316
0.27026      0.30446      0.32848      0.33631
  3601847.54 |       0.14463      0.16209      0.18375      0.20947      0.23491
0.24862      0.25796      0.27070      0.30034
  3601597.54 |       0.15209      0.17073      0.18666      0.19808      0.20357
0.21069      0.22382      0.25045      0.29236
  3601347.54 |       0.15544      0.16394      0.16837      0.17150      0.17912
0.19239      0.21481      0.24722      0.28475
  3601097.54 |       0.14314      0.14510      0.14870      0.15747      0.16968
0.18977      0.21487      0.24635      0.28593

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 232
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18     ***
                                INCLUDING SOURCE(S):     SP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.45988      0.45868      0.38946      0.34771      0.27753
0.26403      0.16053      0.14120      0.04898
  3605847.54 |       0.55643      0.54602      0.54496      0.45943      0.36865
0.31721      0.26630      0.21416      0.11555
  3605597.54 |       0.74554      0.68005      0.65683      0.62281      0.54927
0.39170      0.33904      0.27045      0.20012
```

```
  3605347.54 |       1.01471      1.01511      0.85916      0.80135      0.67212
0.47366      0.42207      0.34045      0.18818
  3605097.54 |       1.16290      1.29165      1.35550      1.28046      1.10303
0.84839      0.60911      0.51717      0.07855
  3604847.54 |       1.18032      1.46207      1.73669      1.90610      1.85973
1.73661      1.06541      0.80255      0.22085
  3604597.54 |       1.03080      1.38633      1.84945      2.39201      2.82790
2.87174      2.37939      1.08763      0.21092
  3604347.54 |       0.98790      1.20099      1.51444      2.18818      3.37336
4.45413      4.46900      2.95834      1.49560
  3604097.54 |       0.83273      1.09521      1.49596      2.06801      2.76262
4.39461      8.14639      9.02103      4.00240
  3603847.54 |       0.77477      0.90302      1.17504      1.54469      2.28240
3.66428      6.85889     15.35907     35.54688
  3603597.54 |       0.65616      0.78201      0.95970      1.25723      1.64591
2.41627      4.09817      7.77753     31.78825
  3603347.54 |       0.58397      0.70484      0.82112      1.05506      1.44580
1.93634      3.24852      5.06147     15.60196
  3603097.54 |       0.51149      0.62312      0.76963      0.99064      1.35174
1.65260      2.29767      4.36915      7.59165
  3602847.54 |       0.51030      0.63984      0.79039      0.92516      1.02422
1.33988      2.17171      3.23194      4.35474
  3602597.54 |       0.53645      0.58483      0.63920      0.74405      0.92469
1.31661      1.82508      2.40809      2.95012
  3602347.54 |       0.43640      0.46802      0.54882      0.68901      0.91372
1.18984      1.46772      1.82573      2.10756
  3602097.54 |       0.36483      0.42233      0.52431      0.66187      0.85828
1.00615      1.24237      1.42624      1.58331
  3601847.54 |       0.34829      0.41442      0.51944      0.64279      0.75431
0.87100      1.05299      1.15144      1.25686
  3601597.54 |       0.34057      0.41133      0.50850      0.59469      0.65795
0.77877      0.88890      0.96883      1.01852
  3601347.54 |       0.33686      0.41036      0.48382      0.53647      0.59989
0.69524      0.76578      0.82131      0.86028
  3601097.54 |       0.34076      0.40008      0.44724      0.48325      0.55408
0.62068      0.65828      0.71488      0.74254

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 233
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18     ***
                                INCLUDING SOURCE(S):     SP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03236      0.03555      0.01707      0.03627      0.01677
0.01118      0.00926      0.00951      0.00920
  3605847.54 |       0.11374      0.12116      0.02597      0.10058      0.02434
0.01699      0.01255      0.01276      0.01059
  3605597.54 |       0.19346      0.16641      0.12177      0.11173      0.09453
0.06888      0.01890      0.01260      0.01080
```

```
  3605347.54 |       0.13916      0.20910      0.15883      0.15538      0.17722
0.03628      0.02238      0.01447      0.01324
  3605097.54 |       0.05508      0.05960      0.04250      0.02838      0.04792
0.09905      0.02427      0.01855      0.01427
  3604847.54 |       0.06706      0.03271      0.03235      0.02711      0.03074
0.02482      0.03611      0.02989      0.02107
  3604597.54 |       0.10019      0.05798      0.04042      0.04129      0.02745
0.02328      0.02371      0.02679      0.03564
  3604347.54 |       0.41569      0.15666      0.10065      0.07078      0.03617
0.02816      0.02512      0.02409      0.02215
  3604097.54 |       1.95890      1.57099      0.43825      0.13198      0.07166
0.03779      0.02850      0.02760      0.02487
  3603847.54 |       7.81194      2.84273      1.76296      0.82712      0.17380
0.08552      0.06125      0.05542      0.03653
  3603597.54 |      77.26803      6.67947      1.58635      0.98273      0.64330
0.40419      0.23916      0.19244      0.09646
  3603347.54 |      24.30275      4.00390      1.28481      1.65931      2.72454
0.89204      1.34164      0.71660      0.23288
  3603097.54 |      10.31816      7.46499      1.59886      2.89195      2.17431
1.80365      1.48042      0.53780      0.24311
  3602847.54 |       4.87880      4.16721      3.83987      2.06019      1.55089
1.36364      1.16254      1.02253      0.23013
  3602597.54 |       3.13756      2.82185      2.49371      1.77563      1.37220
1.14242      0.93924      0.73441      0.18237
  3602347.54 |       2.26198      2.07295      1.84011      1.61133      1.24920
0.95604      0.83570      0.74845      0.61637
  3602097.54 |       1.67888      1.60328      1.45695      1.31022      1.15492
0.89959      0.85034      0.71591      0.55731
  3601847.54 |       1.31159      1.27734      1.20487      1.09904      1.00805
0.81909      0.71102      0.67107      0.52108
  3601597.54 |       1.06773      1.07630      0.99451      0.94982      0.82853
0.77515      0.63670      0.58157      0.47188
  3601347.54 |       0.88839      0.90924      0.84673      0.81882      0.70480
0.68313      0.62210      0.51172      0.41988
  3601097.54 |       0.75975      0.77002      0.73465      0.69674      0.64288
0.59128      0.57516      0.45812      0.42322

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 234
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00811      0.00706
  3605847.54 |       0.00876      0.00746
  3605597.54 |       0.00956      0.00866
  3605347.54 |       0.01251      0.00934
  3605097.54 |       0.01126      0.01033
  3604847.54 |       0.01485      0.01662
  3604597.54 |       0.03003      0.01704
  3604347.54 |       0.01685      0.01422
  3604097.54 |       0.02216      0.02015
  3603847.54 |       0.03082      0.02840
  3603597.54 |       0.07029      0.04844
  3603347.54 |       0.09722      0.07496
  3603097.54 |       0.15319      0.10958
  3602847.54 |       0.15318      0.15331
  3602597.54 |       0.16741      0.20137
  3602347.54 |       0.42867      0.50768
  3602097.54 |       0.49123      0.44614
  3601847.54 |       0.44573      0.39316
  3601597.54 |       0.44208      0.36596
  3601347.54 |       0.38562      0.36363
  3601097.54 |       0.35177      0.34068

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 235
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       17.49467                      507708.67
3603932.32        4.91077
         506203.59    3603369.23        0.52004                      507919.87
3604794.52        1.04614
         507037.89    3604916.08        1.73711

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 236
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
  3606097.54 |       0.33886      0.37812      0.42099      0.47145      0.50401
0.56517      0.59240      0.58004      0.53714
  3605847.54 |       0.32965      0.37357      0.42210      0.49209      0.55982
0.61883      0.66771      0.71009      0.67240
  3605597.54 |       0.31507      0.35549      0.41736      0.49398      0.57019
0.65098      0.73453      0.81961      0.88158
  3605347.54 |       0.33687      0.35256      0.38352      0.43304      0.52998
0.63339      0.74362      0.87480      0.99051
  3605097.54 |       0.33575      0.37216      0.41028      0.42739      0.47845
0.55674      0.70746      0.84884      1.01665
  3604847.54 |       0.32121      0.35666      0.38766      0.43201      0.51870
0.53735      0.61730      0.77813      0.94262
  3604597.54 |       0.29813      0.33097      0.37322      0.43566      0.52260
0.53649      0.62789      0.69765      0.85023
  3604347.54 |       0.27524      0.30292      0.34089      0.39044      0.45767
0.53966      0.63796      0.72801      0.77986
  3604097.54 |       0.25115      0.28516      0.31328      0.35208      0.40290
0.46820      0.57875      0.66990      0.72013
  3603847.54 |       0.22692      0.25365      0.29258      0.32358      0.37513
0.43846      0.49535      0.54703      0.64772
  3603597.54 |       0.20540      0.22545      0.25570      0.28587      0.31500
0.36252      0.40403      0.45637      0.53734
  3603347.54 |       0.18862      0.20811      0.23142      0.25450      0.28295
0.31726      0.35923      0.41104      0.49174
  3603097.54 |       0.17727      0.19308      0.21112      0.24141      0.26058
0.28807      0.33513      0.37779      0.45683
  3602847.54 |       0.16641      0.18138      0.20251      0.22080      0.24388
0.27303      0.32133      0.36911      0.45008
  3602597.54 |       0.15858      0.17347      0.19409      0.21526      0.24131
0.27454      0.32237      0.37334      0.44958
  3602347.54 |       0.15576      0.17124      0.18938      0.21100      0.24161
0.28095      0.32346      0.36580      0.40679
  3602097.54 |       0.15554      0.17180      0.19184      0.21417      0.24206
0.26827      0.29450      0.32385      0.34527
  3601847.54 |       0.15751      0.17384      0.19051      0.20853      0.22824
0.24305      0.26124      0.28311      0.31823
  3601597.54 |       0.15762      0.17066      0.18198      0.19309      0.20364
0.21782      0.23618      0.26541      0.30802
  3601347.54 |       0.15226      0.15993      0.16711      0.17526      0.18806
0.20437      0.22733      0.26002      0.30052
  3601097.54 |       0.14157      0.14704      0.15469      0.16706      0.18105
0.20126      0.22580      0.26079      0.30068

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 237
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP2      ***
                                  INCLUDING SOURCE(S):     SP2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
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  3606097.54 |       0.52212      0.50866      0.45150      0.44131      0.34378
0.28277      0.13657      0.11400      0.04352
  3605847.54 |       0.64462      0.62311      0.61246      0.55184      0.44702
0.33817      0.25985      0.23468      0.10313
  3605597.54 |       0.82931      0.79328      0.75665      0.71716      0.68543
0.43172      0.30309      0.31790      0.24141
  3605347.54 |       1.08612      1.12184      1.00882      0.93979      0.81526
0.61384      0.48240      0.39003      0.16765
  3605097.54 |       1.19684      1.37275      1.50378      1.49783      1.28763
1.06945      0.78986      0.51769      0.07763
  3604847.54 |       1.18653      1.48056      1.82571      2.12590      2.25140
2.16544      1.29305      0.81915      0.17194
  3604597.54 |       1.07025      1.40362      1.84679      2.45451      3.14857
3.63041      3.18853      0.94032      0.19513
  3604347.54 |       0.99331      1.23006      1.56621      2.18944      3.34385
4.80960      5.77342      4.53349      1.43414
  3604097.54 |       0.84101      1.08183      1.45500      2.01592      2.74279
4.28475      8.08689     12.40702      6.98202
  3603847.54 |       0.76067      0.88672      1.13940      1.48694      2.14163
3.32646      5.96953     12.84897     50.90080
  3603597.54 |       0.67233      0.79204      0.96041      1.24218      1.59452
2.28941      3.80949      7.00112     22.12154
  3603347.54 |       0.58662      0.71146      0.83268      1.09632      1.53662
1.99825      2.93999      5.03671     11.96080
  3603097.54 |       0.55281      0.67386      0.82746      1.03495      1.28404
1.58749      2.38046      4.01127      6.23736
  3602847.54 |       0.55389      0.67526      0.76945      0.88613      1.05193
1.40268      2.09541      3.00245      3.80017
  3602597.54 |       0.53163      0.56092      0.64614      0.78437      0.96944
1.30867      1.75913      2.22558      2.65945
  3602347.54 |       0.43343      0.48723      0.57948      0.72460      0.92452
1.15144      1.43875      1.71240      1.94970
  3602097.54 |       0.38440      0.44503      0.55196      0.67851      0.83632
1.00268      1.19865      1.36026      1.49600
  3601847.54 |       0.36718      0.43633      0.53733      0.63421      0.74412
0.87488      1.01145      1.10998      1.20412
  3601597.54 |       0.35906      0.42809      0.50777      0.58233      0.66780
0.76926      0.86057      0.93648      0.98897
  3601347.54 |       0.35244      0.41416      0.47471      0.53813      0.61012
0.67881      0.74816      0.79630      0.84116
  3601097.54 |       0.34740      0.39561      0.44363      0.49666      0.55502
0.60546      0.64853      0.69442      0.73050

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 238
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP2      ***
                                  INCLUDING SOURCE(S):     SP2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
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  3606097.54 |       0.03144      0.03160      0.01900      0.03135      0.01707
0.01147      0.01015      0.00990      0.00852
  3605847.54 |       0.08443      0.10701      0.02707      0.10094      0.02301
0.01799      0.01301      0.01200      0.01000
  3605597.54 |       0.22019      0.15773      0.11032      0.10617      0.07927
0.04701      0.01745      0.01185      0.01057
  3605347.54 |       0.10205      0.20025      0.15100      0.14997      0.16816
0.03024      0.01981      0.01431      0.01380
  3605097.54 |       0.05707      0.05838      0.04349      0.03117      0.03943
0.08013      0.02283      0.01869      0.01450
  3604847.54 |       0.07179      0.04081      0.03525      0.02896      0.02845
0.02569      0.03209      0.02848      0.02135
  3604597.54 |       0.10879      0.06849      0.04573      0.03924      0.02870
0.02421      0.02631      0.02781      0.03374
  3604347.54 |       0.34033      0.16937      0.09299      0.07611      0.04227
0.03378      0.02751      0.02616      0.02581
  3604097.54 |       2.77823      1.22611      0.32462      0.13636      0.08858
0.04928      0.03886      0.03608      0.03043
  3603847.54 |      13.45376      3.85476      1.71659      0.73582      0.22962
0.12213      0.08664      0.07551      0.05042
  3603597.54 |      18.33165      4.48168      1.71056      1.09094      0.71133
0.45627      0.28362      0.22053      0.12250
  3603347.54 |      16.64255      2.19062      0.83290      1.10027      2.03400
0.68770      1.08412      0.54715      0.22011
  3603097.54 |       8.34190      6.36919      0.98538      2.75515      2.04242
1.53650      1.30747      0.40590      0.21150
  3602847.54 |       4.17665      3.64979      3.52933      2.02486      1.52324
1.37770      1.12359      0.91138      0.18978
  3602597.54 |       2.81043      2.57484      2.29393      1.73605      1.36961
1.13995      0.96852      0.62545      0.15150
  3602347.54 |       2.07623      1.94624      1.71422      1.49688      1.25746
0.95931      0.83458      0.77541      0.57875
  3602097.54 |       1.57617      1.52403      1.36792      1.25210      1.11384
0.91448      0.82318      0.68055      0.56576
  3601847.54 |       1.25095      1.22646      1.15811      1.05381      0.95767
0.81768      0.72871      0.66460      0.52354
  3601597.54 |       1.02883      1.03731      0.97617      0.90222      0.81015
0.74135      0.64986      0.59984      0.47777
  3601347.54 |       0.86321      0.88160      0.83557      0.78568      0.69109
0.66189      0.60980      0.52792      0.42974
  3601097.54 |       0.74220      0.75065      0.72396      0.68550      0.62047
0.58669      0.55339      0.46350      0.43842

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 239
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP2      ***
                                  INCLUDING SOURCE(S):     SP2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00768      0.00690
  3605847.54 |       0.00857      0.00749
  3605597.54 |       0.00962      0.00865
  3605347.54 |       0.01243      0.00986
  3605097.54 |       0.01216      0.01130
  3604847.54 |       0.01624      0.01715
  3604597.54 |       0.02983      0.01794
  3604347.54 |       0.02092      0.01810
  3604097.54 |       0.02572      0.02260
  3603847.54 |       0.04173      0.03779
  3603597.54 |       0.09020      0.06397
  3603347.54 |       0.10938      0.08663
  3603097.54 |       0.14191      0.10695
  3602847.54 |       0.13183      0.13289
  3602597.54 |       0.13971      0.16402
  3602347.54 |       0.34743      0.43603
  3602097.54 |       0.51190      0.46859
  3601847.54 |       0.44960      0.40316
  3601597.54 |       0.44742      0.36826
  3601347.54 |       0.39043      0.36719
  3601097.54 |       0.36005      0.34611

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 240
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP2      ***
                                  INCLUDING SOURCE(S):     SP2         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       22.60184                     507708.67
3603932.32        4.54751
         506203.59    3603369.23        0.52341                     507919.87
3604794.52        1.20477
         507037.89    3604916.08        1.93181

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 241
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP6      ***
                                  INCLUDING SOURCE(S):     SP6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

Y-COORD (METERS)	X-COORD (METERS) 504118.86	504368.86	504618.86	504868.86	505118.86	505368.86	505618.86	505868.86	506118.86
3606097.54	0.33122	0.37289	0.42156	0.48554	0.52323	0.61069	0.65046	0.63955	0.57878
3605847.54	0.32429	0.37065	0.42137	0.50483	0.58546	0.65915	0.72449	0.78605	0.73552
3605597.54	0.30960	0.35149	0.42075	0.50406	0.58684	0.67941	0.78205	0.89428	0.98511
3605347.54	0.34564	0.35664	0.37944	0.42592	0.53920	0.64970	0.77139	0.92628	1.07903
3605097.54	0.34296	0.38161	0.42205	0.43024	0.47584	0.55751	0.72682	0.87664	1.06667
3604847.54	0.32340	0.36044	0.39221	0.43849	0.53360	0.53974	0.61734	0.80434	0.97436
3604597.54	0.29800	0.33083	0.37369	0.43733	0.52329	0.54004	0.63842	0.69237	0.86628
3604347.54	0.27479	0.30223	0.34036	0.39037	0.45762	0.53806	0.63594	0.73156	0.75932
3604097.54	0.24839	0.28264	0.31051	0.34918	0.40001	0.46558	0.57102	0.66372	0.71132
3603847.54	0.22242	0.24886	0.28703	0.31725	0.36687	0.42657	0.48341	0.53530	0.63377
3603597.54	0.20277	0.22247	0.25305	0.28292	0.31191	0.35923	0.40042	0.45170	0.53280
3603347.54	0.18826	0.20814	0.23158	0.25472	0.28331	0.31779	0.36008	0.41276	0.49579
3603097.54	0.17701	0.19282	0.21070	0.24170	0.26156	0.29000	0.34078	0.38789	0.47440
3602847.54	0.16626	0.18189	0.20452	0.22423	0.24949	0.28142	0.33490	0.38888	0.47667
3602597.54	0.16103	0.17701	0.19937	0.22237	0.25102	0.28788	0.33962	0.39116	0.45800
3602347.54	0.15986	0.17645	0.19642	0.22015	0.25315	0.29284	0.33048	0.36374	0.39668
3602097.54	0.16084	0.17865	0.20018	0.22229	0.24775	0.26882	0.28995	0.31749	0.34695
3601847.54	0.16362	0.17973	0.19472	0.20946	0.22548	0.23874	0.25902	0.28710	0.32962
3601597.54	0.16108	0.17189	0.18049	0.18983	0.20072	0.21788	0.24106	0.27508	0.32249
3601347.54	0.15138	0.15747	0.16435	0.17395	0.18939	0.20892	0.23542	0.27154	0.31586
3601097.54	0.13904	0.14505	0.15421	0.16857	0.18504	0.20759	0.23473	0.27253	0.31480

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 242
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SP6 ***
INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506368.86	506618.86	506868.86	507118.86	507368.86	507618.86	507868.86	508118.86	508368.86
3606097.54	0.57218	0.57190	0.51454	0.49047	0.36921	0.29845	0.12892	0.10946	0.04395
3605847.54	0.70244	0.69218	0.70640	0.64774	0.47823	0.35392	0.25871	0.24219	0.09770
3605597.54	0.92049	0.87860	0.85266	0.84229	0.76776	0.45126	0.29942	0.34588	0.26486
3605347.54	1.22127	1.29863	1.14378	1.07453	0.95612	0.73780	0.56785	0.44829	0.15613
3605097.54	1.29372	1.54807	1.77484	1.83763	1.58258	1.36376	0.97540	0.53264	0.08308
3604847.54	1.23668	1.58194	2.05221	2.55134	2.85344	2.74043	1.51009	0.88809	0.17445
3604597.54	1.11261	1.47185	1.95520	2.71455	3.81266	4.73951	4.32235	0.93267	0.22357
3604347.54	1.00248	1.25235	1.60826	2.31906	3.63785	5.78715	8.66360	7.98922	1.47209
3604097.54	0.80649	1.05925	1.45263	2.04224	2.79446	4.55618	9.40483	21.47356	19.22761
3603847.54	0.74136	0.83839	1.08296	1.38765	2.03505	3.17572	5.72221	11.74023	61.26225
3603597.54	0.66656	0.78868	0.95867	1.25059	1.61792	2.41655	4.29763	7.34723	23.14692
3603347.54	0.59489	0.73005	0.87565	1.18267	1.66446	2.05769	3.07050	5.41138	10.55455
3603097.54	0.58079	0.71761	0.88303	1.06397	1.27518	1.68908	2.60782	3.92208	5.56381
3602847.54	0.57984	0.68267	0.75732	0.88637	1.12755	1.51739	2.13835	2.88152	3.41866
3602597.54	0.51934	0.55172	0.65562	0.83311	1.04900	1.35563	1.75810	2.10381	2.46224
3602347.54	0.43015	0.50091	0.61499	0.77901	0.97016	1.15981	1.41246	1.62190	1.82079
3602097.54	0.39762	0.47054	0.58923	0.71323	0.85222	1.00250	1.16944	1.29514	1.40310
3601847.54	0.38635	0.46342	0.56594	0.65039	0.74912	0.87031	0.98701	1.06162	1.14140
3601597.54	0.37914	0.45057	0.52436	0.58959	0.67099	0.76272	0.84075	0.90428	0.94188
3601347.54	0.37017	0.42907	0.48293	0.54367	0.61356	0.67197	0.73449	0.77181	0.80988
3601097.54	0.36025	0.40380	0.44842	0.50154	0.55702	0.59982	0.63695	0.67689	0.70930

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 243
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SP6 ***
INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	508618.86	508868.86	509118.86	509368.86	509618.86	509868.86	510118.86	510368.86	510618.86
3606097.54	0.03219	0.03210	0.01818	0.03171	0.01738	0.01163	0.01058	0.01036	0.00872
3605847.54	0.07781	0.10461	0.02713	0.10165	0.02373	0.01874	0.01342	0.01208	0.01010
3605597.54	0.23286	0.15737	0.10442	0.10690	0.08267	0.04122	0.01762	0.01192	0.01077
3605347.54	0.09523	0.19684	0.14894	0.15818	0.16390	0.02924	0.01883	0.01468	0.01414
3605097.54	0.06099	0.06030	0.04615	0.03324	0.03758	0.07972	0.02400	0.01955	0.01453
3604847.54	0.07740	0.04443	0.03760	0.03025	0.02773	0.02742	0.03453	0.02975	0.02240
3604597.54	0.12175	0.07572	0.04951	0.03922	0.03066	0.02625	0.02903	0.03046	0.03731
3604347.54	0.39333	0.18879	0.09810	0.08830	0.04961	0.03779	0.02932	0.02802	0.02874
3604097.54	5.19364	1.37182	0.44927	0.19422	0.11604	0.06148	0.04647	0.04174	0.03426
3603847.54	94.64870	7.17295	2.39822	1.00506	0.34058	0.16821	0.11254	0.09423	0.06046
3603597.54	9.31120	2.07764	1.34087	1.06269	0.74639	0.49912	0.32271	0.25305	0.14236
3603347.54	12.49445	1.63864	0.51701	0.78545	1.61400	0.61954	0.96621	0.51434	0.22509
3603097.54	6.86078	5.33482	0.79793	2.38235	1.81486	1.27241	1.13450	0.36496	0.20284
3602847.54	3.59894	3.23710	2.99056	1.94562	1.47383	1.22816	1.02110	0.78692	0.16691
3602597.54	2.49200	2.30384	2.12749	1.64256	1.33862	1.10372	0.92084	0.54677	0.13000
3602347.54	1.90945	1.77351	1.59333	1.41728	1.22685	0.94261	0.81745	0.72811	0.52672
3602097.54	1.45915	1.40709	1.27202	1.19037	1.07889	0.90028	0.74947	0.62119	0.55651
3601847.54	1.16842	1.14184	1.09717	1.00777	0.92241	0.79961	0.71930	0.61341	0.51706
3601597.54	0.97293	0.98669	0.93111	0.86695	0.77965	0.72119	0.64167	0.59032	0.47461
3601347.54	0.82337	0.84649	0.80171	0.75827	0.66280	0.64262	0.59999	0.52360	0.42303
3601097.54	0.71529	0.72370	0.69812	0.66320	0.59992	0.57029	0.54161	0.44980	0.43594

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 244
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SP6 ***
INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	510868.86	511118.86
3606097.54	0.00783	0.00699
3605847.54	0.00865	0.00761
3605597.54	0.00984	0.00868
3605347.54	0.01237	0.00998
3605097.54	0.01272	0.01228
3604847.54	0.01762	0.01808
3604597.54	0.03234	0.01825
3604347.54	0.02348	0.02017
3604097.54	0.02837	0.02449
3603847.54	0.04856	0.04317
3603597.54	0.10403	0.07297
3603347.54	0.11604	0.09299
3603097.54	0.13996	0.10817
3602847.54	0.12015	0.12715
3602597.54	0.12134	0.14899
3602347.54	0.30723	0.38003
3602097.54	0.49685	0.44456
3601847.54	0.44563	0.39933
3601597.54	0.44033	0.36572
3601347.54	0.38791	0.36382
3601097.54	0.35515	0.34445

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 245
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SP6 ***
INCLUDING SOURCE(S): SP6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TAC IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
508226.78	3603955.63	33.82753	507708.67	3603932.32	4.50154
506203.59	3603369.23	0.52769	507919.87	3604794.52	1.34645
507037.89	3604916.08	2.30082			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 246
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SP7 ***
INCLUDING SOURCE(S): SP7 ,

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.33121      0.37258      0.42099      0.48522      0.52153
0.61005      0.64913      0.63675      0.57323
  3605847.54 |       0.32482      0.37143      0.42211      0.50609      0.58675
0.65980      0.72421      0.78476      0.73001
  3605597.54 |       0.30956      0.35170      0.42245      0.50648      0.58968
0.68204      0.78403      0.89513      0.98398
  3605347.54 |       0.34670      0.35706      0.37936      0.42591      0.54152
0.65321      0.77525      0.93016      1.08102
  3605097.54 |       0.34447      0.38320      0.42374      0.43064      0.47593
0.55810      0.73060      0.88193      1.07234
  3604847.54 |       0.32552      0.36246      0.39431      0.44043      0.53626
0.54032      0.61706      0.80784      0.97953
  3604597.54 |       0.29997      0.33318      0.37639      0.44069      0.52677
0.54333      0.64252      0.69308      0.86904
  3604347.54 |       0.27656      0.30420      0.34276      0.39315      0.46114
0.54264      0.64120      0.73838      0.76280
  3604097.54 |       0.25031      0.28490      0.31302      0.35218      0.40390
0.47007      0.57604      0.67039      0.71804
  3603847.54 |       0.22410      0.25088      0.28971      0.32051      0.37053
0.43066      0.48850      0.54188      0.64162
  3603597.54 |       0.20411      0.22410      0.25486      0.28507      0.31425
0.36198      0.40391      0.45573      0.53779
  3603347.54 |       0.18930      0.20938      0.23308      0.25648      0.28525
0.32002      0.36285      0.41620      0.49954
  3603097.54 |       0.17801      0.19400      0.21201      0.24330      0.26317
0.29171      0.34254      0.38955      0.47593
  3602847.54 |       0.16709      0.18272      0.20541      0.22512      0.25030
0.28217      0.33564      0.38968      0.47752
  3602597.54 |       0.16138      0.17749      0.19968      0.22295      0.25153
0.28832      0.34040      0.39284      0.46181
  3602347.54 |       0.16012      0.17686      0.19653      0.22019      0.25345
0.29394      0.33292      0.36731      0.40077
  3602097.54 |       0.16108      0.17897      0.20024      0.22285      0.24924
0.27098      0.29265      0.31999      0.34847
  3601847.54 |       0.16373      0.18027      0.19562      0.21097      0.22741
0.24066      0.26082      0.28796      0.33010
  3601597.54 |       0.16177      0.17285      0.18185      0.19152      0.20218
0.21901      0.24176      0.27545      0.32263
  3601347.54 |       0.15242      0.15868      0.16558      0.17497      0.18998
0.20956      0.23572      0.27163      0.31618
  3601097.54 |       0.14004      0.14590      0.15505      0.16914      0.18555
0.20769      0.23492      0.27282      0.31532

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 247
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7      ***
                                  INCLUDING SOURCE(S):     SP7         ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.56749      0.56873      0.51165      0.48442      0.34764
0.29293      0.12267      0.10512      0.04327
  3605847.54 |       0.69468      0.68554      0.70271      0.64445      0.46601
0.34446      0.24752      0.23811      0.09347
  3605597.54 |       0.91346      0.86767      0.84268      0.83612      0.74822
0.43462      0.28359      0.34407      0.26348
  3605347.54 |       1.22018      1.29368      1.12797      1.05803      0.94139
0.72981      0.56499      0.44726      0.14835
  3605097.54 |       1.29835      1.54829      1.76826      1.82409      1.56449
1.34954      0.96507      0.50303      0.08173
  3604847.54 |       1.24467      1.59082      2.05693      2.54053      2.81685
2.66890      1.40343      0.83364      0.16838
  3604597.54 |       1.11765      1.48111      1.96895      2.72890      3.79808
4.60701      4.04448      0.84497      0.21669
  3604347.54 |       1.01030      1.26078      1.61530      2.33519      3.66411
5.80147      8.49330      7.67884      1.32232
  3604097.54 |       0.81166      1.06961      1.47184      2.07300      2.83183
4.61669      9.49399     21.21604     17.82586
  3603847.54 |       0.75076      0.84739      1.09733      1.40547      2.07436
3.25600      5.91355     12.19580     65.29499
  3603597.54 |       0.67324      0.79754      0.96955      1.26553      1.63355
2.43282      4.33871      7.46183     24.09640
  3603347.54 |       0.59935      0.73401      0.87972      1.18642      1.67466
2.09277      3.08496      5.43930     11.00556
  3603097.54 |       0.58196      0.71897      0.88805      1.07797      1.29177
1.69122      2.61690      3.97813      5.74008
  3602847.54 |       0.58237      0.68913      0.76721      0.89296      1.12848
1.51900      2.15719      2.93067      3.49854
  3602597.54 |       0.52492      0.55708      0.65836      0.83334      1.05030
1.36424      1.77630      2.13671      2.51280
  3602347.54 |       0.43332      0.50231      0.61506      0.77954      0.97497
1.16846      1.42699      1.64503      1.85188
  3602097.54 |       0.39869      0.47096      0.58962      0.71564      0.85786
1.01017      1.18191      1.31206      1.42350
  3601847.54 |       0.38674      0.46343      0.56767      0.65407      0.75390
0.87713      0.99770      1.07431      1.15676
  3601597.54 |       0.37950      0.45141      0.52675      0.59297      0.67524
0.76917      0.84947      0.91467      0.95283
  3601347.54 |       0.37090      0.43071      0.48583      0.54701      0.61760
0.67752      0.74187      0.78040      0.81893
  3601097.54 |       0.36136      0.40581      0.45111      0.50465      0.56092
0.60519      0.64306      0.68389      0.71702

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 248
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7      ***
                                  INCLUDING SOURCE(S):     SP7         ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03190      0.03171      0.01804      0.03084      0.01723
0.01153      0.01049      0.01028      0.00871
  3605847.54 |       0.07495      0.09955      0.02666      0.09770      0.02336
0.01852      0.01333      0.01207      0.01011
  3605597.54 |       0.22349      0.15100      0.09927      0.10121      0.07726
0.04060      0.01761      0.01193      0.01073
  3605347.54 |       0.09180      0.18882      0.14158      0.14775      0.15769
0.02904      0.01890      0.01450      0.01409
  3605097.54 |       0.06025      0.05890      0.04544      0.03281      0.03743
0.07369      0.02351      0.01931      0.01445
  3604847.54 |       0.07643      0.04360      0.03680      0.03011      0.02770
0.02698      0.03316      0.02895      0.02201
  3604597.54 |       0.11968      0.07438      0.04913      0.03893      0.03024
0.02578      0.02836      0.02985      0.03599
  3604347.54 |       0.37396      0.18799      0.09483      0.08559      0.04834
0.03730      0.02894      0.02743      0.02802
  3604097.54 |       4.75349      1.18448      0.39694      0.18134      0.11070
0.05951      0.04531      0.04082      0.03360
  3603847.54 |      83.64209      6.28441      2.16316      0.92800      0.32090
0.16070      0.10825      0.09101      0.05872
  3603597.54 |       8.74629      2.20614      1.39056      1.06621      0.73686
0.49101      0.31665      0.24723      0.13932
  3603347.54 |      13.21812      1.58672      0.53093      0.79465      1.57248
0.61436      0.93423      0.49833      0.22307
  3603097.54 |       7.12166      5.52188      0.76958      2.38983      1.84741
1.26303      1.12923      0.36088      0.20301
  3602847.54 |       3.69970      3.33669      3.02016      1.98957      1.50383
1.23378      1.03615      0.78159      0.16805
  3602597.54 |       2.54608      2.35920      2.18035      1.67545      1.36377
1.12156      0.93228      0.53109      0.13033
  3602347.54 |       1.94681      1.80989      1.62592      1.44499      1.24885
0.95705      0.82923      0.73302      0.51800
  3602097.54 |       1.48224      1.43213      1.29394      1.21170      1.09718
0.91380      0.74434      0.61480      0.56300
  3601847.54 |       1.18436      1.15929      1.11529      1.02414      0.93684
0.81063      0.72889      0.61161      0.52297
  3601597.54 |       0.98515      1.00147      0.94513      0.87981      0.79060
0.73085      0.64958      0.59715      0.47963
  3601347.54 |       0.83280      0.85820      0.81293      0.76868      0.67092
0.65084      0.60732      0.52933      0.42676
  3601097.54 |       0.72323      0.73274      0.70705      0.67165      0.60701
0.57711      0.54794      0.45366      0.44036

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 249
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7      ***
                                 INCLUDING SOURCE(S):     SP7         ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00783      0.00698
  3605847.54 |       0.00864      0.00761
  3605597.54 |       0.00982      0.00867
  3605347.54 |       0.01233      0.00989
  3605097.54 |       0.01252      0.01209
  3604847.54 |       0.01743      0.01790
  3604597.54 |       0.03143      0.01802
  3604347.54 |       0.02295      0.01983
  3604097.54 |       0.02788      0.02414
  3603847.54 |       0.04732      0.04213
  3603597.54 |       0.10186      0.07151
  3603347.54 |       0.11515      0.09222
  3603097.54 |       0.14015      0.10810
  3602847.54 |       0.12123      0.12737
  3602597.54 |       0.12203      0.14867
  3602347.54 |       0.29758      0.37335
  3602097.54 |       0.50165      0.44815
  3601847.54 |       0.45039      0.40331
  3601597.54 |       0.44488      0.36927
  3601347.54 |       0.39156      0.36732
  3601097.54 |       0.35810      0.34756

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 250
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7      ***
                                 INCLUDING SOURCE(S):     SP7         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       34.56777                     507708.67
3603932.32        4.61708
         506203.59    3603369.23        0.53204                     507919.87
3604794.52        1.23430
         507037.89    3604916.08        2.29148

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 251
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8      ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.33107      0.37240      0.42058      0.48472      0.51976
0.60896      0.64720      0.63328      0.56732
  3605847.54 |       0.32524      0.37193      0.42288      0.50722      0.58776
0.66012      0.72337      0.78250      0.72391
  3605597.54 |       0.30964      0.35201      0.42400      0.50872      0.59223
0.68451      0.78556      0.89499      0.98163
  3605347.54 |       0.34758      0.35738      0.37929      0.42586      0.54375
0.65651      0.77891      0.93299      1.08197
  3605097.54 |       0.34558      0.38461      0.42508      0.43101      0.47564
0.55881      0.73414      0.88669      1.07765
  3604847.54 |       0.32721      0.36468      0.39625      0.44246      0.53869
0.54063      0.61699      0.81101      0.98455
  3604597.54 |       0.30195      0.33529      0.37894      0.44386      0.53034
0.54694      0.64625      0.69412      0.87129
  3604347.54 |       0.27851      0.30631      0.34509      0.39608      0.46459
0.54684      0.64632      0.74490      0.76651
  3604097.54 |       0.25210      0.28724      0.31561      0.35518      0.40747
0.47444      0.58124      0.67655      0.72540
  3603847.54 |       0.22594      0.25309      0.29219      0.32341      0.37416
0.43495      0.49385      0.54818      0.65002
  3603597.54 |       0.20528      0.22565      0.25664      0.28732      0.31680
0.36514      0.40749      0.45987      0.54312
  3603347.54 |       0.19031      0.21051      0.23457      0.25818      0.28717
0.32240      0.36557      0.41928      0.50334
  3603097.54 |       0.17901      0.19516      0.21333      0.24489      0.26470
0.29307      0.34438      0.39123      0.47742
  3602847.54 |       0.16785      0.18358      0.20622      0.22598      0.25105
0.28288      0.33631      0.38998      0.47809
  3602597.54 |       0.16183      0.17782      0.20025      0.22321      0.25177
0.28858      0.34077      0.39412      0.46532
  3602347.54 |       0.16056      0.17705      0.19681      0.22024      0.25390
0.29473      0.33497      0.37089      0.40517
  3602097.54 |       0.16103      0.17880      0.20057      0.22341      0.25064
0.27339      0.29553      0.32276      0.35037
  3601847.54 |       0.16394      0.18057      0.19649      0.21257      0.22976
0.24287      0.26225      0.28928      0.33087
  3601597.54 |       0.16229      0.17397      0.18334      0.19294      0.20377
0.22014      0.24238      0.27569      0.32285
  3601347.54 |       0.15367      0.16000      0.16687      0.17590      0.19068
0.20996      0.23598      0.27167      0.31608
  3601097.54 |       0.14116      0.14679      0.15559      0.16971      0.18575
0.20802      0.23519      0.27269      0.31528

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 252
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8      ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.56224      0.56495      0.50815      0.47775      0.34061
0.28704      0.11711      0.10121      0.04254
  3605847.54 |       0.68630      0.67826      0.69810      0.63986      0.45353
0.33490      0.23701      0.23383      0.08977
  3605597.54 |       0.90564      0.85598      0.83180      0.82879      0.72784
0.41827      0.26872      0.34147      0.26192
  3605347.54 |       1.21779      1.28666      1.11100      1.04051      0.92545
0.72056      0.56102      0.44539      0.14165
  3605097.54 |       1.30189      1.54658      1.75839      1.80661      1.54397
1.33224      0.95172      0.47522      0.08036
  3604847.54 |       1.25171      1.59859      2.05867      2.52339      2.77128
2.59279      1.30168      0.78238      0.16290
  3604597.54 |       1.12284      1.48940      1.98107      2.73932      3.77187
4.46561      3.84386      0.77028      0.21001
  3604347.54 |       1.01829      1.26918      1.62251      2.35032      3.68600
5.79784      8.27335      7.31796      1.19503
  3604097.54 |       0.81718      1.08056      1.49123      2.10343      2.86966
4.67501      9.55089     20.76458     16.09042
  3603847.54 |       0.76131      0.85701      1.11238      1.42495      2.11674
3.34161      6.11325     12.73056     71.50053
  3603597.54 |       0.68030      0.80652      0.98087      1.28056      1.65056
2.45073      4.36781      7.61110     25.02516
  3603347.54 |       0.60368      0.73792      0.88334      1.18915      1.68117
2.12761      3.10513      5.46116     11.49116
  3603097.54 |       0.58299      0.71971      0.89170      1.09139      1.30981
1.69413      2.62266      4.03589      5.93107
  3602847.54 |       0.58426      0.69507      0.77727      0.90033      1.12901
1.51951      2.17613      2.98187      3.58660
  3602597.54 |       0.53073      0.56300      0.66133      0.83314      1.05058
1.37244      1.79473      2.17140      2.56652
  3602347.54 |       0.43645      0.50368      0.61517      0.77975      0.97928
1.17717      1.44215      1.66927      1.88518
  3602097.54 |       0.39934      0.47104      0.58954      0.71761      0.86348
1.01756      1.19484      1.32964      1.44509
  3601847.54 |       0.38670      0.46333      0.56856      0.65759      0.75879
0.88396      1.00849      1.08767      1.17271
  3601597.54 |       0.37907      0.45214      0.52918      0.59681      0.67965
0.77549      0.85836      0.92559      0.96487
  3601347.54 |       0.37113      0.43210      0.48850      0.55033      0.62198
0.68339      0.74934      0.78903      0.82873
  3601097.54 |       0.36230      0.40796      0.45382      0.50762      0.56475
0.61050      0.64915      0.69144      0.72517

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 253
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8      ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03161      0.03135      0.01791      0.03004      0.01700
0.01142      0.01041      0.01021      0.00871
  3605847.54 |       0.07248      0.09491      0.02624      0.09399      0.02305
0.01829      0.01325      0.01207      0.01008
  3605597.54 |       0.22023      0.14487      0.09450      0.09602      0.07238
0.04019      0.01737      0.01193      0.01071
  3605347.54 |       0.08880      0.18123      0.13481      0.13833      0.15149
0.02892      0.01898      0.01438      0.01402
  3605097.54 |       0.05949      0.05761      0.04475      0.03213      0.03729
0.06854      0.02294      0.01903      0.01430
  3604847.54 |       0.07534      0.04269      0.03620      0.02983      0.02756
0.02655      0.03235      0.02838      0.02163
  3604597.54 |       0.11752      0.07300      0.04863      0.03872      0.02996
0.02533      0.02782      0.02924      0.03486
  3604347.54 |       0.35614      0.18600      0.09151      0.08287      0.04701
0.03676      0.02858      0.02692      0.02732
  3604097.54 |       4.04914      1.03023      0.35041      0.16907      0.10527
0.05741      0.04408      0.03988      0.03294
  3603847.54 |      63.66614      5.39729      1.93799      0.85316      0.30022
0.15290      0.10382      0.08765      0.05684
  3603597.54 |       8.44305      2.37473      1.44399      1.06978      0.72833
0.48265      0.30985      0.24113      0.13610
  3603347.54 |      14.01580      1.55225      0.54990      0.81015      1.53665
0.61111      0.90488      0.48443      0.22115
  3603097.54 |       7.40213      5.72139      0.74819      2.39534      1.87743
1.25476      1.12393      0.35804      0.20333
  3602847.54 |       3.80919      3.44433      3.04810      2.03519      1.53459
1.23890      1.05177      0.77682      0.16955
  3602597.54 |       2.60448      2.41873      2.23613      1.71001      1.38944
1.13950      0.94368      0.51685      0.13099
  3602347.54 |       1.98593      1.84898      1.66043      1.47409      1.27135
0.97179      0.84112      0.73812      0.50955
  3602097.54 |       1.50689      1.45872      1.31711      1.23400      1.11609
0.92752      0.73885      0.60830      0.56940
  3601847.54 |       1.20152      1.17788      1.13431      1.04121      0.95182
0.82197      0.73849      0.60986      0.52887
  3601597.54 |       0.99788      1.01690      0.95982      0.89320      0.80196
0.74085      0.65760      0.60393      0.48474
  3601347.54 |       0.84269      0.87032      0.82473      0.77950      0.67938
0.65935      0.61483      0.53514      0.43054
  3601097.54 |       0.73125      0.74216      0.71646      0.68043      0.61435
0.58414      0.55445      0.45762      0.44476

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 254
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8      ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00781      0.00698
  3605847.54 |       0.00861      0.00759
  3605597.54 |       0.00979      0.00860
  3605347.54 |       0.01228      0.00983
  3605097.54 |       0.01235      0.01192
  3604847.54 |       0.01723      0.01772
  3604597.54 |       0.03060      0.01782
  3604347.54 |       0.02236      0.01948
  3604097.54 |       0.02738      0.02376
  3603847.54 |       0.04602      0.04104
  3603597.54 |       0.09954      0.06998
  3603347.54 |       0.11426      0.09135
  3603097.54 |       0.14035      0.10802
  3602847.54 |       0.12226      0.12784
  3602597.54 |       0.12301      0.14867
  3602347.54 |       0.28898      0.36737
  3602097.54 |       0.50644      0.45182
  3601847.54 |       0.45522      0.40713
  3601597.54 |       0.44945      0.37284
  3601347.54 |       0.39529      0.37080
  3601097.54 |       0.36108      0.35067

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 255
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8      ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       35.04793                      507708.67
3603932.32        4.73467
         506203.59    3603369.23        0.53649                      507919.87
3604794.52        1.13221
         507037.89    3604916.08        2.27698
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 256
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.32472      0.36590      0.41428      0.47893      0.51264
0.60216      0.63889      0.62283      0.55150
  3605847.54 |       0.31817      0.36538      0.41649      0.50202      0.58272
0.65463      0.71610      0.77337      0.71001
  3605597.54 |       0.30096      0.34340      0.41621      0.50178      0.58585
0.67873      0.77986      0.88751      0.97105
  3605347.54 |       0.34133      0.34990      0.36939      0.41472      0.53394
0.64770      0.77137      0.92624      1.07499
  3605097.54 |       0.34161      0.37953      0.41890      0.42264      0.46417
0.54567      0.72101      0.87510      1.06877
  3604847.54 |       0.32264      0.35995      0.39188      0.43748      0.53249
0.53156      0.60408      0.79606      0.96751
  3604597.54 |       0.29673      0.32999      0.37306      0.43709      0.52229
0.54085      0.64008      0.68392      0.85992
  3604347.54 |       0.27462      0.30199      0.34038      0.39043      0.45767
0.53847      0.63608      0.73561      0.75533
  3604097.54 |       0.24868      0.28332      0.31142      0.35079      0.40249
0.46891      0.57302      0.66810      0.71793
  3603847.54 |       0.22140      0.24820      0.28665      0.31738      0.36706
0.42651      0.48501      0.53992      0.64082
  3603597.54 |       0.20056      0.22028      0.25082      0.28091      0.31033
0.35781      0.40013      0.45218      0.53503
  3603347.54 |       0.18706      0.20730      0.23121      0.25473      0.28367
0.31849      0.36102      0.41338      0.49462
  3603097.54 |       0.17691      0.19252      0.21013      0.24058      0.25920
0.28632      0.33541      0.38079      0.46403
  3602847.54 |       0.16403      0.17868      0.20047      0.21946      0.24405
0.27517      0.32705      0.37928      0.46635
  3602597.54 |       0.15707      0.17295      0.19483      0.21737      0.24485
0.28055      0.33279      0.38906      0.46359
  3602347.54 |       0.15633      0.17223      0.19117      0.21420      0.24817
0.29106      0.33362      0.36966      0.39972
  3602097.54 |       0.15648      0.17400      0.19614      0.22067      0.24939
0.27262      0.29280      0.31623      0.34127
  3601847.54 |       0.16048      0.17835      0.19536      0.21182      0.22802
0.23884      0.25599      0.28131      0.32180
  3601597.54 |       0.16134      0.17346      0.18226      0.19051      0.19936
0.21438      0.23584      0.26852      0.31420
  3601347.54 |       0.15289      0.15828      0.16380      0.17151      0.18561
0.20435      0.22985      0.26442      0.30818
  3601097.54 |       0.13892      0.14346      0.15150      0.16490      0.18088
0.20251      0.22868      0.26564      0.30926
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 257
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.54612      0.55358      0.49723      0.45667      0.32889
0.28480      0.11817      0.10433      0.04304
  3605847.54 |       0.66691      0.65830      0.68477      0.62332      0.43776
0.33175      0.23771      0.23211      0.09011
  3605597.54 |       0.88970      0.83154      0.80607      0.81193      0.70686
0.40973      0.27263      0.33156      0.25178
  3605347.54 |       1.20671      1.27048      1.07993      1.00470      0.89816
0.69005      0.54344      0.43832      0.14238
  3605097.54 |       1.29521      1.53667      1.73774      1.77023      1.50295
1.29717      0.89957      0.47680      0.07997
  3604847.54 |       1.23663      1.58915      2.04953      2.49444      2.69852
2.48649      1.27272      0.78354      0.16462
  3604597.54 |       1.10633      1.46510      1.95785      2.72675      3.73623
4.31912      3.71745      0.77175      0.20814
  3604347.54 |       1.01054      1.26026      1.60706      2.32530      3.64417
5.77808      8.06993      6.90271      1.20389
  3604097.54 |       0.80553      1.07042      1.48190      2.09538      2.87160
4.68451      9.48006     20.60248     14.46704
  3603847.54 |       0.75181      0.84576      1.10150      1.41233      2.11482
3.36072      6.19615     13.20328     81.77745
  3603597.54 |       0.67008      0.79642      0.97013      1.26520      1.62896
2.40905      4.30130      7.70401     25.93936
  3603347.54 |       0.59043      0.71930      0.86124      1.15824      1.65275
2.13966      3.04836      5.43819     11.91757
  3603097.54 |       0.56619      0.70049      0.87925      1.09248      1.29818
1.65213      2.59481      4.04580      6.07556
  3602847.54 |       0.57551      0.69272      0.77265      0.88063      1.09912
1.49534      2.16805      2.99940      3.63682
  3602597.54 |       0.52773      0.55385      0.64388      0.80962      1.03088
1.36541      1.78195      2.17917      2.58843
  3602347.54 |       0.42640      0.49023      0.59849      0.76316      0.97215
1.16501      1.43432      1.67008      1.89142
  3602097.54 |       0.38868      0.45853      0.57613      0.71040      0.85630
1.00413      1.19048      1.32710      1.44373
  3601847.54 |       0.37643      0.45242      0.56108      0.65288      0.74772
0.87458      1.00410      1.08405      1.16852
  3601597.54 |       0.37006      0.44498      0.52508      0.58941      0.66837
0.76953      0.85306      0.92223      0.95902
  3601347.54 |       0.36460      0.42818      0.48369      0.54062      0.61337
0.67871      0.74386      0.78547      0.82276
  3601097.54 |       0.35819      0.40439      0.44674      0.49788      0.55906
0.60570      0.64370      0.68776      0.71911
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 258
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03158      0.03186      0.01730      0.03007      0.01694
0.01117      0.01017      0.01030      0.00885
  3605847.54 |       0.07437      0.09388      0.02550      0.09301      0.02298
0.01824      0.01324      0.01223      0.01019
  3605597.54 |       0.21640      0.14629      0.09463      0.09619      0.07188
0.04200      0.01773      0.01205      0.01068
  3605347.54 |       0.09032      0.18236      0.13444      0.13584      0.15653
0.02961      0.01931      0.01430      0.01401
  3605097.54 |       0.05898      0.05621      0.04455      0.03165      0.03804
0.06944      0.02270      0.01884      0.01402
  3604847.54 |       0.07441      0.04081      0.03499      0.02996      0.02765
0.02617      0.03207      0.02819      0.02135
  3604597.54 |       0.11587      0.07102      0.04849      0.03862      0.02965
0.02450      0.02711      0.02876      0.03421
  3604347.54 |       0.35306      0.18606      0.08941      0.08105      0.04523
0.03596      0.02757      0.02544      0.02589
  3604097.54 |       3.81654      1.00335      0.33138      0.15861      0.09855
0.05409      0.04205      0.03813      0.03157
  3603847.54 |      49.13283      4.91576      1.83088      0.81303      0.27681
0.14048      0.09569      0.08170      0.05292
  3603597.54 |       9.43013      2.57836      1.53661      1.10890      0.74562
0.48891      0.30969      0.23957      0.13249
  3603347.54 |      14.77730      1.63555      0.56013      0.84822      1.58867
0.63764      0.92824      0.49741      0.22532
  3603097.54 |       7.61107      5.86375      0.77901      2.43646      1.87087
1.27913      1.14435      0.37104      0.20978
  3602847.54 |       3.88617      3.52778      3.12437      2.04899      1.54357
1.24185      1.04293      0.78789      0.17405
  3602597.54 |       2.63415      2.44985      2.26864      1.73166      1.38985
1.13908      0.93947      0.52518      0.13185
  3602347.54 |       2.00020      1.85969      1.67993      1.49187      1.27569
0.96862      0.83946      0.73253      0.51313
  3602097.54 |       1.51028      1.46121      1.32537      1.24051      1.12733
0.92421      0.74209      0.61320      0.56818
  3601847.54 |       1.20035      1.17677      1.13540      1.04701      0.95597
0.82516      0.73267      0.61063      0.52629
  3601597.54 |       0.99507      1.01509      0.95635      0.89735      0.80139
0.74499      0.65595      0.59735      0.48089
  3601347.54 |       0.83872      0.86789      0.81996      0.77962      0.67929
0.65849      0.61733      0.53117      0.42547
  3601097.54 |       0.72710      0.73859      0.71192      0.67682      0.61533
0.58164      0.55537      0.45660      0.43968
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 259
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00790      0.00701
  3605847.54 |       0.00863      0.00761
  3605597.54 |       0.00980      0.00856
  3605347.54 |       0.01217      0.00962
  3605097.54 |       0.01199      0.01167
  3604847.54 |       0.01706      0.01763
  3604597.54 |       0.03020      0.01717
  3604347.54 |       0.02137      0.01886
  3604097.54 |       0.02627      0.02276
  3603847.54 |       0.04297      0.03850
  3603597.54 |       0.09614      0.06697
  3603347.54 |       0.11409      0.09059
  3603097.54 |       0.14401      0.11009
  3602847.54 |       0.12529      0.13155
  3602597.54 |       0.12498      0.15235
  3602347.54 |       0.29373      0.36870
  3602097.54 |       0.50241      0.44473
  3601847.54 |       0.45414      0.40507
  3601597.54 |       0.44632      0.37170
  3601347.54 |       0.39184      0.36828
  3601097.54 |       0.35674      0.34751

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 260
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
```

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       35.74258                              507708.67
3603932.32        4.77533
         506203.59    3603369.23        0.52702                              507919.87
3604794.52        1.11110
         507037.89    3604916.08        2.25015

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 261
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.27109      0.30534      0.34561      0.39878      0.42881
0.50304      0.53854      0.53422      0.48722
  3605847.54 |       0.26691      0.30553      0.34762      0.41686      0.48311
0.54326      0.59708      0.64979      0.61043
  3605597.54 |       0.25490      0.28998      0.34854      0.41774      0.48647
0.56282      0.64663      0.73777      0.81286
  3605347.54 |       0.28706      0.29566      0.31352      0.35185      0.44808
0.54038      0.64151      0.76864      0.89222
  3605097.54 |       0.28843      0.31995      0.35283      0.35825      0.39476
0.46313      0.60571      0.73155      0.88958
  3604847.54 |       0.27676      0.30759      0.33377      0.37164      0.44981
0.45213      0.51450      0.67215      0.81492
  3604597.54 |       0.25934      0.28751      0.32404      0.37800      0.44981
0.46408      0.54594      0.58556      0.73054
  3604347.54 |       0.24455      0.26850      0.30164      0.34494      0.40293
0.47242      0.55636      0.63933      0.65920
  3604097.54 |       0.22835      0.25919      0.28446      0.31931      0.36505
0.42356      0.51623      0.59921      0.64291
  3603847.54 |       0.21139      0.23641      0.27222      0.30118      0.34770
0.40358      0.45797      0.50884      0.60262
  3603597.54 |       0.19674      0.21608      0.24559      0.27483      0.30344
0.34960      0.39092      0.44222      0.52291
  3603347.54 |       0.18512      0.20495      0.22853      0.25210      0.28120
0.31655      0.36017      0.41451      0.49859
  3603097.54 |       0.17759      0.19417      0.21299      0.24491      0.26586
0.29535      0.34657      0.39355      0.47779
  3602847.54 |       0.17051      0.18680      0.20993      0.23000      0.25520
0.28652      0.33800      0.38842      0.47045
  3602597.54 |       0.16630      0.18234      0.20436      0.22666      0.25362
0.28765      0.33574      0.38524      0.45431
  3602347.54 |       0.16425      0.18003      0.19839      0.21985      0.25050
0.28850      0.32712      0.36362      0.39927
  3602097.54 |       0.16247      0.17857      0.19812      0.21908      0.24484
0.26761      0.29081      0.31858      0.34315
  3601847.54 |       0.16214      0.17731      0.19219      0.20799      0.22564
0.23969      0.25884      0.28274      0.31771
  3601597.54 |       0.15892      0.17026      0.18004      0.19044      0.20145
0.21711      0.23665      0.26466      0.30229
  3601347.54 |       0.15075      0.15775      0.16520      0.17434      0.18818
0.20486      0.22638      0.25469      0.28759
  3601097.54 |       0.13974      0.14588      0.15455      0.16752      0.18137
0.19969      0.22065      0.24915      0.27936

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 262
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.49726      0.51920      0.49404      0.50667      0.37990
0.30930      0.12378      0.10886      0.04179
  3605847.54 |       0.58858      0.60077      0.64510      0.63185      0.47127
0.35528      0.25619      0.28598      0.10018
  3605597.54 |       0.76159      0.73259      0.73737      0.77413      0.72343
0.43938      0.28574      0.57175      0.54909
  3605347.54 |       1.00682      1.07348      0.94840      0.92134      0.87577
0.77711      0.72296      0.69715      0.16010
  3605097.54 |       1.07472      1.27708      1.45870      1.52560      1.36982
1.28846      1.10834      0.52194      0.07773
  3604847.54 |       1.03542      1.32170      1.69831      2.08172      2.31925
2.29710      1.31858      0.84210      0.16623
  3604597.54 |       0.93480      1.23426      1.64012      2.26310      3.09940
3.71448      3.52334      0.81029      0.20658
  3604347.54 |       0.86832      1.07522      1.36487      1.95648      3.05031
4.76019      6.69397      6.46286      1.34275
  3604097.54 |       0.72366      0.95047      1.29940      1.81545      2.45766
3.93353      7.87759     16.29136     15.37786
  3603847.54 |       0.70605      0.79795      1.03380      1.32480      1.95843
3.07962      5.61184     11.75090     64.78784
  3603597.54 |       0.65521      0.77955      0.95247      1.24699      1.61458
2.38546      4.18971      7.38247     21.11849
  3603347.54 |       0.59876      0.73226      0.87385      1.16415      1.63082
2.07496      2.94609      4.71199      9.51653
  3603097.54 |       0.57886      0.70682      0.86801      1.06502      1.28107
1.58735      2.28762      3.33859      4.81393
  3602847.54 |       0.57022      0.67946      0.76397      0.87669      1.05434
1.34002      1.82750      2.41402      2.89008
  3602597.54 |       0.52210      0.55319      0.64092      0.77950      0.93275
1.16671      1.47115      1.74042      2.05526
  3602347.54 |       0.42834      0.48586      0.57467      0.69703      0.83973
0.97889      1.16527      1.32857      1.50557
  3602097.54 |       0.38409      0.43982      0.52976      0.62024      0.72473
0.83245      0.95513      1.05333      1.15261
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  3601847.54 |       0.36167      0.41834      0.49489      0.55608      0.62760
0.71393      0.79964      0.85902      0.93278
  3601597.54 |       0.34387      0.39586      0.45023      0.49742      0.55499
0.61979      0.67679      0.72872      0.76630
  3601347.54 |       0.32687      0.36993      0.40965      0.45363      0.50207
0.54182      0.58827      0.62014      0.65649
  3601097.54 |       0.31197      0.34385      0.37671      0.41416      0.45170
0.48085      0.50824      0.54258      0.57334

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 263
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5      ***
                                 INCLUDING SOURCE(S):     TC5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03151      0.03303      0.01985      0.03430      0.01864
0.01255      0.01108      0.01063      0.00912
  3605847.54 |       0.08343      0.11991      0.02916      0.13129      0.02488
0.01907      0.01388      0.01252      0.01043
  3605597.54 |       0.38894      0.19485      0.12523      0.12597      0.08463
0.04593      0.01804      0.01248      0.01114
  3605347.54 |       0.10001      0.25169      0.18550      0.18099      0.19059
0.03118      0.02041      0.01489      0.01464
  3605097.54 |       0.05993      0.06304      0.04848      0.03399      0.04039
0.08338      0.02453      0.02037      0.01519
  3604847.54 |       0.07661      0.04694      0.03953      0.03210      0.02947
0.02818      0.03453      0.03038      0.02275
  3604597.54 |       0.12190      0.07894      0.05209      0.04141      0.03181
0.02663      0.02882      0.03016      0.03611
  3604347.54 |       0.38836      0.20129      0.09966      0.08667      0.04794
0.03774      0.02960      0.02744      0.02739
  3604097.54 |      10.00452      1.31766      0.35692      0.16155      0.10076
0.05519      0.04270      0.03869      0.03205
  3603847.54 |      44.24256      4.64672      1.77041      0.78191      0.26652
0.13690      0.09417      0.08031      0.05256
  3603597.54 |       9.75047      2.62221      1.45978      1.03800      0.69978
0.46010      0.29209      0.22720      0.12579
  3603347.54 |      12.65139      1.63454      0.55521      0.83083      1.61276
0.60437      0.92582      0.48127      0.21040
  3603097.54 |       6.37402      5.32458      0.76767      2.49840      2.04262
1.31745      1.16729      0.35233      0.19326
  3602847.54 |       3.18017      3.02412      3.07571      2.02963      1.58974
1.28325      1.14051      0.80512      0.16210
  3602597.54 |       2.14928      2.07191      2.01389      1.62767      1.38758
1.17325      0.99235      0.52801      0.12374
  3602347.54 |       1.62045      1.55702      1.45257      1.35032      1.22102
0.97121      0.86030      0.77117      0.51847
  3602097.54 |       1.22397      1.21428      1.13090      1.09888      1.03520
0.89740      0.75066      0.61687      0.58751
```

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  3601847.54 |       0.97150      0.97256      0.95823      0.90779      0.85962
0.77011      0.71878      0.61573      0.53646
  3601597.54 |       0.80317      0.83172      0.80211      0.76592      0.70922
0.67627      0.62123      0.59055      0.48404
  3601347.54 |       0.67577      0.70750      0.68331      0.65998      0.59143
0.58975      0.56608      0.50937      0.42223
  3601097.54 |       0.58414      0.60043      0.58964      0.57048      0.52696
0.51384      0.50046      0.42554      0.42575

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5      ***
                                 INCLUDING SOURCE(S):     TC5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00818      0.00733
  3605847.54 |       0.00897      0.00804
  3605597.54 |       0.01022      0.00922
  3605347.54 |       0.01298      0.01051
  3605097.54 |       0.01294      0.01241
  3604847.54 |       0.01774      0.01838
  3604597.54 |       0.03176      0.01855
  3604347.54 |       0.02245      0.01944
  3604097.54 |       0.02667      0.02313
  3603847.54 |       0.04283      0.03836
  3603597.54 |       0.09184      0.06453
  3603347.54 |       0.10604      0.08456
  3603097.54 |       0.13122      0.10024
  3602847.54 |       0.11480      0.12001
  3602597.54 |       0.11629      0.14232
  3602347.54 |       0.29032      0.37503
  3602097.54 |       0.53042      0.48011
  3601847.54 |       0.46674      0.42251
  3601597.54 |       0.45456      0.38033
  3601347.54 |       0.39432      0.37380
  3601097.54 |       0.35467      0.34954

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5      ***
                                 INCLUDING SOURCE(S):     TC5         ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TAC IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
508226.78	3603955.63	28.08973	507708.67	3603932.32	4.18458
506203.59	3603369.23	0.53047	507919.87	3604794.52	1.16528
507037.89	3604916.08	1.88043			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 266
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TC6 ***
INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504118.86	504368.86	504618.86	504868.86	505118.86	505368.86	505618.86	505868.86	506118.86
3606097.54	0.26357	0.29699	0.33663	0.38861	0.42146	0.49320	0.53120	0.53321	0.49610
3605847.54	0.25876	0.29510	0.33536	0.40041	0.46460	0.52531	0.58188	0.63809	0.61296
3605597.54	0.24861	0.28119	0.33461	0.39839	0.46297	0.53619	0.61894	0.71176	0.79254
3605347.54	0.27775	0.28696	0.30496	0.34099	0.42741	0.51199	0.60629	0.72754	0.85133
3605097.54	0.27796	0.30818	0.33970	0.34725	0.38272	0.44560	0.57294	0.68716	0.83305
3604847.54	0.26562	0.29485	0.32022	0.35666	0.42966	0.43622	0.49621	0.63697	0.76523
3604597.54	0.24910	0.27554	0.30966	0.35989	0.42739	0.44140	0.51778	0.56089	0.69394
3604347.54	0.23527	0.25790	0.28894	0.32922	0.38300	0.44732	0.52460	0.59940	0.62419
3604097.54	0.21962	0.24849	0.27228	0.30486	0.34735	0.40145	0.48784	0.56321	0.60337
3603847.54	0.20328	0.22670	0.26013	0.28709	0.33038	0.38246	0.43203	0.47798	0.56286
3603597.54	0.18961	0.20788	0.23551	0.26291	0.28968	0.33256	0.37086	0.41839	0.49210
3603347.54	0.17894	0.19768	0.21989	0.24210	0.26940	0.30243	0.34300	0.39330	0.47063
3603097.54	0.17179	0.18752	0.20536	0.23528	0.25513	0.28298	0.33068	0.37457	0.45259

3602847.54	0.16509	0.18061	0.20250	0.22160	0.24549	0.27508	0.32310	0.37016	0.44638
3602597.54	0.16124	0.17656	0.19742	0.21858	0.24408	0.27614	0.32117	0.36731	0.43167
3602347.54	0.15935	0.17442	0.19193	0.21236	0.24126	0.27694	0.31314	0.34731	0.38069
3602097.54	0.15769	0.17309	0.19170	0.21160	0.23586	0.25731	0.27912	0.30522	0.32787
3601847.54	0.15742	0.17189	0.18608	0.20105	0.21770	0.23098	0.24895	0.27125	0.30379
3601597.54	0.15432	0.16513	0.17446	0.18433	0.19475	0.20948	0.22783	0.25409	0.28929
3601347.54	0.14647	0.15316	0.16026	0.16892	0.18200	0.19775	0.21804	0.24467	0.27560
3601097.54	0.13590	0.14176	0.15001	0.16232	0.17545	0.19280	0.21260	0.23949	0.26811

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 267
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TC6 ***
INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506368.86	506618.86	506868.86	507118.86	507368.86	507618.86	507868.86	508118.86	508368.86
3606097.54	0.50539	0.52503	0.50626	0.53560	0.45929	0.33347	0.15508	0.13406	0.04593
3605847.54	0.60068	0.61238	0.65275	0.65070	0.54727	0.39371	0.30885	0.33083	0.12332
3605597.54	0.76211	0.74896	0.75558	0.79038	0.84928	0.52131	0.34943	0.58747	0.55461
3605347.54	0.97339	1.05566	0.97014	0.95334	0.92047	0.83083	0.74106	0.70805	0.21091
3605097.54	1.01111	1.21819	1.42034	1.52257	1.40003	1.34977	1.18657	0.66367	0.08632
3604847.54	0.96173	1.22219	1.58494	1.99718	2.32311	2.43049	1.80917	1.05361	0.20890
3604597.54	0.87790	1.14280	1.49633	2.05247	2.89075	3.78721	3.90076	1.27466	0.24739
3604347.54	0.81032	1.00049	1.26621	1.77727	2.69934	4.18489	6.41972	7.14806	2.19083
3604097.54	0.68198	0.88173	1.18347	1.62489	2.17719	3.39499	6.46770	13.56831	20.40572
3603847.54	0.65618	0.74366	0.95099	1.20911	1.73604	2.63476	4.53268	8.72480	33.31034
3603597.54	0.61229	0.72346	0.87706	1.13476	1.45388	2.10126	3.54214	5.92652	14.57737
3603347.54	0.56251	0.68419	0.81071	1.06871	1.47824	1.84929	2.55721	3.97257	7.75845
3603097.54	0.54601	0.66291	0.80737	0.98151	1.17048	1.43145	2.02491	2.93969	4.23019

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  3602847.54 |       0.53895      0.63937      0.71406      0.81426      0.96881
1.22282      1.65839      2.18522      2.63847
  3602597.54 |       0.49531      0.52220      0.60175      0.72554      0.86287
1.07868      1.35401      1.61463      1.90293
  3602347.54 |       0.40717      0.45965      0.54028      0.65144      0.78382
0.91543      1.08888      1.24898      1.41329
  3602097.54 |       0.36558      0.41693      0.49962      0.58448      0.68325
0.78382      0.90204      0.99835      1.09315
  3601847.54 |       0.34461      0.39726      0.46881      0.52781      0.59535
0.67669      0.76053      0.81903      0.88930
  3601597.54 |       0.32816      0.37710      0.42903      0.47436      0.52835
0.59097      0.64706      0.69675      0.73437
  3601347.54 |       0.31271      0.35387      0.39208      0.43338      0.47918
0.51921      0.56394      0.59518      0.63039
  3601097.54 |       0.29934      0.33012      0.36134      0.39638      0.43272
0.46225      0.48891      0.52185      0.55138

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 268
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03335      0.03518      0.02106      0.03780      0.01946
0.01300      0.01135      0.01090      0.00935
  3605847.54 |       0.10372      0.14305      0.03103      0.15392      0.02640
0.01991      0.01434      0.01300      0.01072
  3605597.54 |       0.56632      0.23225      0.15497      0.15168      0.10116
0.05441      0.01887      0.01291      0.01146
  3605347.54 |       0.12536      0.30892      0.22898      0.21967      0.23107
0.03386      0.02169      0.01543      0.01514
  3605097.54 |       0.06466      0.07004      0.05211      0.03593      0.04437
0.10540      0.02614      0.02137      0.01576
  3604847.54 |       0.08453      0.05001      0.04265      0.03428      0.03161
0.03003      0.03763      0.03308      0.02413
  3604597.54 |       0.13780      0.08708      0.05677      0.04507      0.03397
0.02816      0.03059      0.03224      0.03981
  3604347.54 |       0.49401      0.23672      0.11558      0.09850      0.05232
0.04043      0.03135      0.02921      0.02923
  3604097.54 |      12.94263      2.21909      0.48484      0.19529      0.11653
0.06126      0.04662      0.04190      0.03426
  3603847.54 |     324.68728      9.20554      2.79768      1.09196      0.33600
0.16292      0.10853      0.09115      0.05828
  3603597.54 |      13.15995      2.34828      1.51212      1.18398      0.80846
0.52792      0.33274      0.25883      0.14057
  3603347.54 |      11.27618      2.08521      0.52852      0.84523      1.89780
0.66804      1.10208      0.56476      0.22777
  3603097.54 |       5.81852      5.14192      0.95247      2.83871      2.07483
1.42909      1.25543      0.38294      0.20215
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  3602847.54 |       2.97037      2.91456      2.99634      2.05076      1.60000
1.40435      1.14281      0.85781      0.16292
  3602597.54 |       2.03083      2.01066      1.94817      1.61500      1.39636
1.18113      1.00331      0.60679      0.12527
  3602347.54 |       1.53516      1.51237      1.41847      1.31463      1.21525
0.97708      0.86255      0.78757      0.57116
  3602097.54 |       1.16936      1.18105      1.10767      1.07250      1.01492
0.89658      0.80640      0.66409      0.58742
  3601847.54 |       0.93283      0.94757      0.93493      0.88901      0.83859
0.76364      0.71826      0.64927      0.53635
  3601597.54 |       0.77306      0.80761      0.78336      0.74982      0.69567
0.66336      0.61856      0.59068      0.48471
  3601347.54 |       0.65200      0.68704      0.66793      0.64540      0.58349
0.57731      0.55816      0.50816      0.42414
  3601097.54 |       0.56418      0.58407      0.57677      0.55823      0.51888
0.50494      0.49051      0.42512      0.42492

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 269
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00747
  3605847.54 |       0.00921      0.00820
  3605597.54 |       0.01047      0.00943
  3605347.54 |       0.01342      0.01080
  3605097.54 |       0.01343      0.01279
  3604847.54 |       0.01841      0.01927
  3604597.54 |       0.03463      0.01935
  3604347.54 |       0.02385      0.02044
  3604097.54 |       0.02832      0.02438
  3603847.54 |       0.04702      0.04176
  3603597.54 |       0.10159      0.07063
  3603347.54 |       0.11321      0.09019
  3603097.54 |       0.13639      0.10445
  3602847.54 |       0.11486      0.12305
  3602597.54 |       0.11591      0.14669
  3602347.54 |       0.33387      0.40822
  3602097.54 |       0.53236      0.48242
  3601847.54 |       0.46582      0.42200
  3601597.54 |       0.45458      0.37963
  3601347.54 |       0.39502      0.37325
  3601097.54 |       0.35602      0.34943

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25
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PAGE 270
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC6      ***
                                  INCLUDING SOURCE(S):     TC6         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.20951                         507708.67
3603932.32        3.50798
         506203.59    3603369.23        0.49977                         507919.87
3604794.52       1.70871
         507037.89    3604916.08        1.81071

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 271
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC7      ***
                                  INCLUDING SOURCE(S):     TC7         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26425      0.29779      0.33759      0.38985      0.42263
0.49496      0.53302      0.53460      0.49655
  3605847.54 |       0.25950      0.29605      0.33651      0.40207      0.46665
0.52761      0.58430      0.64064      0.61429
  3605597.54 |       0.24924      0.28203      0.33593      0.40024      0.46527
0.53895      0.62216      0.71542      0.79638
  3605347.54 |       0.27878      0.28790      0.30584      0.34204      0.42939
0.51471      0.60975      0.73193      0.85644
  3605097.54 |       0.27902      0.30942      0.34111      0.34843      0.38398
0.44734      0.57614      0.69142      0.83865
  3604847.54 |       0.26664      0.29603      0.32150      0.35811      0.43172
0.43786      0.49811      0.64057      0.77009
  3604597.54 |       0.25003      0.27662      0.31095      0.36153      0.42945
0.44344      0.52040      0.56322      0.69759
  3604347.54 |       0.23613      0.25887      0.29009      0.33065      0.38481
0.44960      0.52746      0.60295      0.62710
  3604097.54 |       0.22037      0.24943      0.27334      0.30612      0.34890
0.40340      0.49038      0.56643      0.60673
  3603847.54 |       0.20395      0.22750      0.26114      0.28826      0.33183
0.38422      0.43419      0.48051      0.56611
  3603597.54 |       0.19023      0.20859      0.23640      0.26396      0.29089
0.33408      0.37264      0.42048      0.49481
  3603347.54 |       0.17952      0.19837      0.22070      0.24304      0.27050
0.30374      0.34459      0.39528      0.47328
  3603097.54 |       0.17233      0.18814      0.20607      0.23620      0.25616
0.28418      0.33227      0.37650      0.45522
  3602847.54 |       0.16561      0.18122      0.20325      0.22246      0.24650
0.27628      0.32469      0.37213      0.44898
  3602597.54 |       0.16177      0.17717      0.19816      0.21944      0.24511
0.27740      0.32276      0.36914      0.43369
  3602347.54 |       0.15988      0.17502      0.19263      0.21319      0.24226
0.27812      0.31441      0.34858      0.38202
  3602097.54 |       0.15822      0.17370      0.19240      0.21237      0.23668
0.25813      0.27996      0.30622      0.32917
  3601847.54 |       0.15794      0.17246      0.18664      0.20161      0.21828
0.23160      0.24974      0.27228      0.30514
  3601597.54 |       0.15475      0.16556      0.17487      0.18476      0.19525
0.21013      0.22865      0.25513      0.29059
  3601347.54 |       0.14679      0.15348      0.16061      0.16935      0.18255
0.19843      0.21887      0.24568      0.27681
  3601097.54 |       0.13617      0.14208      0.15039      0.16280      0.17603
0.19349      0.21341      0.24047      0.26922

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 272
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC7      ***
                                  INCLUDING SOURCE(S):     TC7         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50596      0.52599      0.50677      0.53491      0.45823
0.33164      0.15132      0.13117      0.04556
  3605847.54 |       0.60127      0.61311      0.65425      0.65161      0.54135
0.39042      0.30398      0.32663      0.12038
  3605597.54 |       0.76420      0.74987      0.75644      0.79195      0.81660
0.51385      0.34316      0.58806      0.55606
  3605347.54 |       0.97891      1.06086      0.97176      0.95414      0.92046
0.82963      0.74224      0.70997      0.20465
  3605097.54 |       1.01816      1.22651      1.42928      1.53043      1.40417
1.35213      1.18592      0.65115      0.08563
  3604847.54 |       0.96879      1.23215      1.59857      2.01338      2.33762
2.43656      1.77225      1.03459      0.20424
  3604597.54 |       0.88366      1.15187      1.51016      2.07421      2.92193
3.81258      3.90224      1.21636      0.24421
  3604347.54 |       0.81543      1.00730      1.27556      1.79457      2.73311
4.24807      6.51065      7.19844      2.09968
  3604097.54 |       0.68535      0.88740      1.19321      1.64105      2.20077
3.44231      6.59818     13.93951     20.57023
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  3603847.54 |       0.66018      0.74775      0.95729      1.21767      1.75289
2.66829      4.61247      8.92515     34.94347
  3603597.54 |       0.61613      0.72844      0.88373      1.14480      1.46827
2.12754      3.60302      6.02891     15.01592
  3603347.54 |       0.56602      0.68896      0.81706      1.07855      1.49352
1.86716      2.58713      4.03253      7.86682
  3603097.54 |       0.54951      0.66761      0.81349      0.98857      1.17859
1.44494      2.04817      2.96802      4.26269
  3602847.54 |       0.54215      0.64286      0.71775      0.81919      0.97675
1.23360      1.67162      2.20057      2.65129
  3602597.54 |       0.49731      0.52449      0.60513      0.73074      0.86952
1.08602      1.36274      1.62219      1.91115
  3602347.54 |       0.40885      0.46205      0.54365      0.65587      0.78877
0.92030      1.09427      1.25350      1.41818
  3602097.54 |       0.36733      0.41919      0.50258      0.58774      0.68660
0.78750      0.90557      1.00143      1.09619
  3601847.54 |       0.34631      0.39935      0.47127      0.53018      0.59785
0.67945      0.76303      0.82128      0.89160
  3601597.54 |       0.32973      0.37890      0.43089      0.47620      0.53042
0.59304      0.64892      0.69865      0.73606
  3601347.54 |       0.31410      0.35532      0.39353      0.43500      0.48097
0.52078      0.56549      0.59668      0.63186
  3601097.54 |       0.30051      0.33128      0.36258      0.39782      0.43418
0.46351      0.49014      0.52314      0.55269

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 273
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC7      ***
                                INCLUDING SOURCE(S):     TC7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03318      0.03499      0.02095      0.03740      0.01938
0.01297      0.01134      0.01088      0.00933
  3605847.54 |       0.10123      0.14055      0.03084      0.15150      0.02624
0.01987      0.01431      0.01296      0.01069
  3605597.54 |       0.56630      0.22858      0.15142      0.14892      0.09926
0.05323      0.01878      0.01286      0.01143
  3605347.54 |       0.12218      0.30321      0.22414      0.21575      0.22688
0.03351      0.02151      0.01536      0.01511
  3605097.54 |       0.06435      0.06936      0.05186      0.03581      0.04387
0.10276      0.02605      0.02131      0.01572
  3604847.54 |       0.08404      0.04980      0.04242      0.03412      0.03135
0.02978      0.03739      0.03286      0.02402
  3604597.54 |       0.13700      0.08667      0.05647      0.04471      0.03384
0.02809      0.03053      0.03211      0.03955
  3604347.54 |       0.48392      0.23482      0.11393      0.09774      0.05215
0.04032      0.03123      0.02914      0.02917
  3604097.54 |      12.96176      2.11070      0.47296      0.19360      0.11588
0.06109      0.04651      0.04174      0.03418
```

```
  3603847.54 |     290.43892      8.75909      2.70166      1.06634      0.33279
0.16178      0.10802      0.09076      0.05810
  3603597.54 |      12.35035      2.31372      1.49168      1.16595      0.79692
0.52142      0.32942      0.25638      0.13970
  3603347.54 |      11.32625      2.01439      0.52260      0.83355      1.85668
0.65818      1.08013      0.55421      0.22595
  3603097.54 |       5.84227      5.13206      0.92312      2.71663      2.06621
1.41181      1.24307      0.37801      0.20086
  3602847.54 |       2.97735      2.91253      2.98219      2.04431      1.59617
1.39677      1.14007      0.84978      0.16208
  3602597.54 |       2.03495      2.00923      1.94825      1.61252      1.39340
1.17888      1.00105      0.59690      0.12453
  3602347.54 |       1.53892      1.51207      1.41783      1.31475      1.21396
0.97529      0.86143      0.78531      0.56500
  3602097.54 |       1.17168      1.18117      1.10713      1.07258      1.01511
0.89556      0.79983      0.65855      0.58697
  3601847.54 |       0.93450      0.94782      0.93515      0.88910      0.83901
0.76324      0.71762      0.64523      0.53595
  3601597.54 |       0.77447      0.80837      0.78365      0.75006      0.69574
0.66360      0.61817      0.59020      0.48430
  3601347.54 |       0.65317      0.68784      0.66826      0.64576      0.58332
0.57761      0.55829      0.50783      0.42359
  3601097.54 |       0.56525      0.58474      0.57711      0.55856      0.51893
0.50508      0.49084      0.42471      0.42468

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 274
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC7      ***
                                INCLUDING SOURCE(S):     TC7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00835      0.00746
  3605847.54 |       0.00920      0.00819
  3605597.54 |       0.01046      0.00941
  3605347.54 |       0.01337      0.01079
  3605097.54 |       0.01341      0.01279
  3604847.54 |       0.01839      0.01923
  3604597.54 |       0.03435      0.01930
  3604347.54 |       0.02381      0.02042
  3604097.54 |       0.02826      0.02433
  3603847.54 |       0.04689      0.04164
  3603597.54 |       0.10106      0.07035
  3603347.54 |       0.11266      0.08981
  3603097.54 |       0.13573      0.10398
  3602847.54 |       0.11446      0.12250
  3602597.54 |       0.11540      0.14567
  3602347.54 |       0.32826      0.40370
  3602097.54 |       0.53178      0.48173
  3601847.54 |       0.46557      0.42179
  3601597.54 |       0.45428      0.37944
```

```
  3601347.54 |       0.39469      0.37308
  3601097.54 |       0.35562      0.34925

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 275
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC7      ***
                                  INCLUDING SOURCE(S):     TC7         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.91726                      507708.67
3603932.32        3.56034
         506203.59    3603369.23        0.50268                      507919.87
3604794.52        1.66012
         507037.89    3604916.08        1.82448

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 276
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP10     ***
                                  INCLUDING SOURCE(S):     TP10        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26351      0.29690      0.33649      0.38832      0.42112
0.49250      0.53033      0.53234      0.49548
  3605847.54 |       0.25867      0.29498      0.33521      0.40009      0.46411
0.52465      0.58101      0.63695      0.61207
  3605597.54 |       0.24850      0.28106      0.33438      0.39805      0.46253
0.53559      0.61811      0.71058      0.79098
  3605347.54 |       0.27749      0.28675      0.30480      0.34084      0.42703
0.51148      0.60562      0.72656      0.84991
  3605097.54 |       0.27773      0.30790      0.33936      0.34701      0.38249
0.44529      0.57229      0.68636      0.83197
  3604847.54 |       0.26544      0.29464      0.32000      0.35639      0.42921
0.43594      0.49589      0.63618      0.76425
  3604597.54 |       0.24894      0.27537      0.30946      0.35963      0.42706
0.44109      0.51735      0.56063      0.69331
  3604347.54 |       0.23513      0.25774      0.28875      0.32898      0.38270
0.44696      0.52416      0.59886      0.62402
  3604097.54 |       0.21951      0.24835      0.27213      0.30468      0.34712
0.40115      0.48747      0.56274      0.60296
  3603847.54 |       0.20320      0.22660      0.26000      0.28694      0.33020
0.38225      0.43177      0.47769      0.56249
  3603597.54 |       0.18951      0.20777      0.23537      0.26274      0.28949
0.33232      0.37059      0.41808      0.49170
  3603347.54 |       0.17883      0.19755      0.21973      0.24193      0.26920
0.30219      0.34272      0.39295      0.47014
  3603097.54 |       0.17169      0.18741      0.20523      0.23511      0.25493
0.28275      0.33034      0.37415      0.45200
  3602847.54 |       0.16498      0.18049      0.20233      0.22140      0.24526
0.27480      0.32272      0.36969      0.44576
  3602597.54 |       0.16112      0.17641      0.19724      0.21837      0.24382
0.27583      0.32079      0.36691      0.43135
  3602347.54 |       0.15922      0.17427      0.19175      0.21216      0.24101
0.27667      0.31291      0.34718      0.38063
  3602097.54 |       0.15756      0.17294      0.19152      0.21142      0.23571
0.25722      0.27907      0.30515      0.32769
  3601847.54 |       0.15728      0.17177      0.18597      0.20098      0.21767
0.23094      0.24887      0.27108      0.30353
  3601597.54 |       0.15423      0.16508      0.17443      0.18431      0.19471
0.20939      0.22768      0.25388      0.28902
  3601347.54 |       0.14644      0.15315      0.16023      0.16887      0.18191
0.19762      0.21787      0.24446      0.27535
  3601097.54 |       0.13589      0.14174      0.14995      0.16223      0.17533
0.19265      0.21242      0.23929      0.26788

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 277
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP10     ***
                                  INCLUDING SOURCE(S):     TP10        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50467      0.52410      0.50532      0.53476      0.45882
0.33389      0.15616      0.13492      0.04602
  3605847.54 |       0.59985      0.61140      0.65135      0.64915      0.54790
0.39443      0.31020      0.33184      0.12419
  3605597.54 |       0.76086      0.74780      0.75426      0.78858      0.84814
0.52267      0.35130      0.58639      0.55342
  3605347.54 |       0.97138      1.05313      0.96839      0.95157      0.91866
0.82889      0.73908      0.70618      0.21267
  3605097.54 |       1.00949      1.21561      1.41646      1.51766      1.39591
1.34535      1.18275      0.66690      0.08634
  3604847.54 |       0.96041      1.22025      1.58153      1.99119      2.31451
2.42240      1.81420      1.05812      0.20987
```

```
  3604597.54 |       0.87672      1.14092      1.49374      2.04819      2.88188
3.77311      3.88778      1.28706      0.24748
  3604347.54 |       0.80966      0.99955      1.26483      1.77405      2.69316
4.17221      6.38405      7.09393      2.21216
  3604097.54 |       0.68182      0.88120      1.18230      1.62283      2.17465
3.38864      6.44632     13.48619     20.11832
  3603847.54 |       0.65578      0.74356      0.95070      1.20904      1.73506
2.63239      4.52671      8.72250     33.31808
  3603597.54 |       0.61170      0.72269      0.87605      1.13319      1.45170
2.09685      3.53116      5.92312     14.55268
  3603347.54 |       0.56184      0.68324      0.80940      1.06660      1.47528
1.84758      2.55481      3.96720      7.76293
  3603097.54 |       0.54522      0.66184      0.80610      0.98058      1.17004
1.42964      2.02160      2.93946      4.23458
  3602847.54 |       0.53828      0.63890      0.71384      0.81381      0.96746
1.22115      1.65743      2.18561      2.64152
  3602597.54 |       0.49521      0.52207      0.60129      0.72458      0.86169
1.07788      1.35360      1.61550      1.90433
  3602347.54 |       0.40701      0.45925      0.53962      0.65059      0.78311
0.91513      1.08888      1.24969      1.41424
  3602097.54 |       0.36525      0.41648      0.49903      0.58396      0.68292
0.78363      0.90216      0.99885      1.09386
  3601847.54 |       0.34426      0.39684      0.46837      0.52753      0.59516
0.67658      0.76066      0.81937      0.88975
  3601597.54 |       0.32784      0.37676      0.42876      0.47419      0.52819
0.59093      0.64717      0.69694      0.73469
  3601347.54 |       0.31244      0.35363      0.39190      0.43321      0.47902
0.51920      0.56399      0.59530      0.63057
  3601097.54 |       0.29913      0.32995      0.36119      0.39622      0.43260
0.46224      0.48895      0.52191      0.55147

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 278
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP10     ***
                                  INCLUDING SOURCE(S):     TP10        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03337      0.03522      0.02107      0.03792      0.01946
0.01301      0.01135      0.01090      0.00935
  3605847.54 |       0.10449      0.14391      0.03106      0.15471      0.02642
0.01990      0.01434      0.01302      0.01072
  3605597.54 |       0.56564      0.23347      0.15614      0.15260      0.10177
0.05480      0.01888      0.01292      0.01146
  3605347.54 |       0.12626      0.31073      0.23056      0.22093      0.23242
0.03395      0.02173      0.01543      0.01513
  3605097.54 |       0.06463      0.07015      0.05216      0.03591      0.04451
0.10623      0.02613      0.02137      0.01576
  3604847.54 |       0.08447      0.04995      0.04268      0.03428      0.03165
0.03000      0.03766      0.03312      0.02413
```

```
  3604597.54 |       0.13763      0.08696      0.05674      0.04512      0.03395
0.02813      0.03058      0.03222      0.03983
  3604347.54 |       0.49521      0.23635      0.11583      0.09842      0.05220
0.04038      0.03133      0.02921      0.02917
  3604097.54 |      12.81707      2.24738      0.48584      0.19459      0.11613
0.06107      0.04651      0.04183      0.03421
  3603847.54 |     316.52304      9.21121      2.80466      1.09261      0.33437
0.16219      0.10813      0.09086      0.05812
  3603597.54 |      13.47755      2.38190      1.52675      1.18950      0.81102
0.52907      0.33303      0.25898      0.14043
  3603347.54 |      11.31852      2.11112      0.53247      0.85239      1.91574
0.67203      1.11010      0.56812      0.22818
  3603097.54 |       5.83177      5.15729      0.96198      2.84847      2.07892
1.43771      1.26144      0.38495      0.20265
  3602847.54 |       2.97626      2.92050      3.00677      2.05351      1.60138
1.40738      1.14438      0.86189      0.16352
  3602597.54 |       2.03400      2.01435      1.95051      1.61729      1.39746
1.18190      1.00417      0.61052      0.12568
  3602347.54 |       1.53668      1.51458      1.42023      1.31596      1.21615
0.97770      0.86291      0.78842      0.57346
  3602097.54 |       1.17044      1.18248      1.10900      1.07337      1.01561
0.89706      0.80893      0.66631      0.58759
  3601847.54 |       0.93357      0.94856      0.93571      0.88964      0.83910
0.76412      0.71852      0.65082      0.53647
  3601597.54 |       0.77353      0.80815      0.78391      0.75028      0.69609
0.66372      0.61883      0.59086      0.48483
  3601347.54 |       0.65232      0.68738      0.66832      0.64573      0.58389
0.57757      0.55838      0.50832      0.42434
  3601097.54 |       0.56438      0.58433      0.57705      0.55848      0.51916
0.50515      0.49068      0.42541      0.42502

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 279
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP10     ***
                                  INCLUDING SOURCE(S):     TP10        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00749
  3605847.54 |       0.00921      0.00819
  3605597.54 |       0.01047      0.00943
  3605347.54 |       0.01342      0.01080
  3605097.54 |       0.01342      0.01277
  3604847.54 |       0.01839      0.01926
  3604597.54 |       0.03465      0.01935
  3604347.54 |       0.02380      0.02041
  3604097.54 |       0.02828      0.02435
  3603847.54 |       0.04690      0.04166
  3603597.54 |       0.10145      0.07054
  3603347.54 |       0.11323      0.09020
  3603097.54 |       0.13659      0.10454
```

```
  3602847.54 |       0.11515      0.12331
  3602597.54 |       0.11632      0.14726
  3602347.54 |       0.33600      0.41017
  3602097.54 |       0.53256      0.48271
  3601847.54 |       0.46592      0.42206
  3601597.54 |       0.45467      0.37970
  3601347.54 |       0.39511      0.37329
  3601097.54 |       0.35616      0.34947

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 280
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP10     ***
                                 INCLUDING SOURCE(S):     TP10        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.12267                     507708.67
3603932.32        3.50340
         506203.59    3603369.23        0.49924                     507919.87
3604794.52        1.71741
         507037.89    3604916.08        1.80546

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 281
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP11     ***
                                 INCLUDING SOURCE(S):     TP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26396      0.29760      0.33768      0.39061      0.42400
0.49790      0.53716      0.53940      0.50119
  3605847.54 |       0.25931      0.29583      0.33631      0.40233      0.46759
0.52958      0.58769      0.64581      0.61976
  3605597.54 |       0.24932      0.28202      0.33597      0.40033      0.46551
0.53971      0.62407      0.71941      0.80305
  3605347.54 |       0.27934      0.28833      0.30604      0.34203      0.42961
0.51490      0.61018      0.73344      0.86037
  3605097.54 |       0.27927      0.30984      0.34172      0.34885      0.38430
0.44764      0.57677      0.69182      0.83946
  3604847.54 |       0.26651      0.29594      0.32143      0.35817      0.43224
0.43812      0.49849      0.64186      0.77118
  3604597.54 |       0.24993      0.27645      0.31072      0.36126      0.42912
0.44302      0.52021      0.56270      0.69800
  3604347.54 |       0.23605      0.25876      0.28996      0.33048      0.38459
0.44925      0.52691      0.60223      0.62525
  3604097.54 |       0.22012      0.24917      0.27303      0.30576      0.34849
0.40292      0.48971      0.56563      0.60551
  3603847.54 |       0.20361      0.22712      0.26070      0.28773      0.33117
0.38334      0.43315      0.47925      0.56447
  3603597.54 |       0.19006      0.20841      0.23622      0.26376      0.29065
0.33381      0.37230      0.42003      0.49430
  3603347.54 |       0.17952      0.19837      0.22071      0.24303      0.27048
0.30370      0.34455      0.39527      0.47343
  3603097.54 |       0.17233      0.18814      0.20607      0.23626      0.25625
0.28435      0.33265      0.37708      0.45618
  3602847.54 |       0.16567      0.18133      0.20345      0.22274      0.24687
0.27676      0.32540      0.37307      0.45015
  3602597.54 |       0.16198      0.17743      0.19849      0.21984      0.24561
0.27804      0.32352      0.36964      0.43319
  3602347.54 |       0.16012      0.17531      0.19299      0.21363      0.24276
0.27847      0.31421      0.34758      0.38051
  3602097.54 |       0.15851      0.17405      0.19276      0.21259      0.23660
0.25758      0.27904      0.30529      0.32873
  3601847.54 |       0.15820      0.17263      0.18660      0.20127      0.21767
0.23092      0.24925      0.27214      0.30529
  3601597.54 |       0.15474      0.16534      0.17445      0.18425      0.19481
0.20989      0.22864      0.25529      0.29087
  3601347.54 |       0.14650      0.15310      0.16023      0.16909      0.18245
0.19848      0.21902      0.24591      0.27707
  3601097.54 |       0.13586      0.14182      0.15025      0.16278      0.17610
0.19363      0.21360      0.24070      0.26939

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 282
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP11     ***
                                 INCLUDING SOURCE(S):     TP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.51110      0.53182      0.51319      0.54227      0.46349
0.33272      0.14951      0.12965      0.04514
  3605847.54 |       0.60749      0.62010      0.66280      0.66179      0.54728
0.39181      0.30283      0.32712      0.11886
  3605597.54 |       0.77157      0.75856      0.76624      0.80379      0.82918
0.51737      0.34068      0.59569      0.56337
```

```
  3605347.54 |       0.98682      1.07328      0.98458      0.96839      0.93576
0.84631      0.75542      0.72145      0.20186
  3605097.54 |       1.02119      1.23520      1.44713      1.55764      1.43146
1.38307      1.21543      0.65034      0.08642
  3604847.54 |       0.96958      1.23387      1.60677      2.03824      2.38565
2.49530      1.80248      1.03850      0.20404
  3604597.54 |       0.88531      1.15434      1.51214      2.07907      2.95079
3.89686      4.01959      1.21625      0.24849
  3604347.54 |       0.81404      1.00610      1.27523      1.79774      2.73839
4.26789      6.68121      7.57917      2.09452
  3604097.54 |       0.68296      0.88466      1.18982      1.63612      2.19232
3.43520      6.60880     14.16385     22.88227
  3603847.54 |       0.65794      0.74391      0.95212      1.20920      1.74076
2.64689      4.56495      8.75580     33.57394
  3603597.54 |       0.61551      0.72771      0.88282      1.14400      1.46779
2.13084      3.61411      5.94555     14.73513
  3603347.54 |       0.56643      0.68989      0.81892      1.08206      1.49632
1.85700      2.57143      4.00824      7.69970
  3603097.54 |       0.55093      0.66953      0.81484      0.98574      1.17124
1.44264      2.04524      2.93803      4.19035
  3602847.54 |       0.54283      0.64146      0.71412      0.81612      0.97696
1.23307      1.66271      2.17917      2.61395
  3602597.54 |       0.49521      0.52233      0.60412      0.73126      0.86996
1.08271      1.35493      1.60668      1.89019
  3602347.54 |       0.40778      0.46187      0.54416      0.65644      0.78764
0.91642      1.08765      1.24274      1.40486
  3602097.54 |       0.36741      0.41959      0.50305      0.58735      0.68460
0.78424      0.90014      0.99386      1.08706
  3601847.54 |       0.34665      0.39973      0.47126      0.52911      0.59595
0.67667      0.75873      0.81580      0.88521
  3601597.54 |       0.33005      0.37901      0.43036      0.47501      0.52884
0.59063      0.64554      0.69466      0.73134
  3601347.54 |       0.31425      0.35507      0.39278      0.43400      0.47964
0.51869      0.56288      0.59363      0.62838
  3601097.54 |       0.30042      0.33082      0.36188      0.39700      0.43298
0.46176      0.48805      0.52078      0.55005

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 283
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP11     ***
                                  INCLUDING SOURCE(S):     TP11        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03328      0.03503      0.02094      0.03722      0.01944
0.01301      0.01138      0.01092      0.00934
  3605847.54 |       0.09968      0.13903      0.03090      0.15037      0.02628
0.01997      0.01434      0.01297      0.01070
  3605597.54 |       0.57245      0.22701      0.14929      0.14751      0.09838
0.05210      0.01877      0.01287      0.01146
```

```
  3605347.54 |       0.12052      0.30096      0.22172      0.21425      0.22468
0.03333      0.02140      0.01543      0.01517
  3605097.54 |       0.06496      0.06956      0.05224      0.03612      0.04360
0.10137      0.02624      0.02142      0.01576
  3604847.54 |       0.08519      0.05051      0.04276      0.03433      0.03132
0.03007      0.03760      0.03293      0.02414
  3604597.54 |       0.13963      0.08810      0.05709      0.04484      0.03417
0.02842      0.03093      0.03237      0.03982
  3604347.54 |       0.49066      0.24028      0.11459      0.09897      0.05325
0.04085      0.03153      0.02944      0.02968
  3604097.54 |      13.96933      2.10050      0.48698      0.20143      0.11987
0.06284      0.04753      0.04250      0.03472
  3603847.54 |     354.70783      9.37613      2.80312      1.10255      0.34983
0.16867      0.11188      0.09356      0.05964
  3603597.54 |      11.28290      2.12709      1.41336      1.14964      0.79432
0.52221      0.33192      0.25876      0.14200
  3603347.54 |      10.95029      1.93104      0.49964      0.80036      1.79861
0.64429      1.05909      0.54669      0.22558
  3603097.54 |       5.71188      5.02743      0.89793      2.67708      2.04628
1.38107      1.22145      0.37116      0.19884
  3602847.54 |       2.92734      2.86979      3.06349      2.03020      1.58872
1.38534      1.13136      0.83482      0.15890
  3602597.54 |       2.00742      1.98359      1.92835      1.59803      1.38722
1.17447      0.99667      0.58697      0.12259
  3602347.54 |       1.52279      1.49584      1.40470      1.30360      1.20747
0.97195      0.85905      0.78172      0.55910
  3602097.54 |       1.16085      1.17022      1.09760      1.06493      1.00867
0.89220      0.79263      0.65215      0.58563
  3601847.54 |       0.92693      0.94003      0.92845      0.88348      0.83386
0.75954      0.71560      0.64073      0.53496
  3601597.54 |       0.76907      0.80294      0.77867      0.74569      0.69193
0.66009      0.61606      0.58879      0.48347
  3601347.54 |       0.64917      0.68380      0.66446      0.64233      0.58024
0.57479      0.55602      0.50654      0.42253
  3601097.54 |       0.56224      0.58162      0.57415      0.55583      0.51645
0.50292      0.48872      0.42300      0.42383

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 284
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP11     ***
                                  INCLUDING SOURCE(S):     TP11        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00835      0.00747
  3605847.54 |       0.00921      0.00821
  3605597.54 |       0.01050      0.00943
  3605347.54 |       0.01339      0.01083
  3605097.54 |       0.01346      0.01292
  3604847.54 |       0.01856      0.01934
  3604597.54 |       0.03458      0.01942
```

```
  3604347.54 |       0.02421      0.02070
  3604097.54 |       0.02865      0.02463
  3603847.54 |       0.04794      0.04251
  3603597.54 |       0.10280      0.07156
  3603347.54 |       0.11317      0.09036
  3603097.54 |       0.13506      0.10383
  3602847.54 |       0.11280      0.12136
  3602597.54 |       0.11330      0.14329
  3602347.54 |       0.32278      0.39764
  3602097.54 |       0.53053      0.48018
  3601847.54 |       0.46471      0.42113
  3601597.54 |       0.45352      0.37879
  3601347.54 |       0.39407      0.37257
  3601097.54 |       0.35485      0.34884

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 285
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP11     ***
                                  INCLUDING SOURCE(S):     TP11        ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.84187                      507708.67
3603932.32        3.53348
         506203.59    3603369.23        0.50281                      507919.87
3604794.52        1.67974
         507037.89    3604916.08        1.84672

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 286
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP12     ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
  3606097.54 |       0.26411      0.29789      0.33824      0.39165      0.42565
0.50050      0.54062      0.54345      0.50547
  3605847.54 |       0.25947      0.29599      0.33656      0.40287      0.46866
0.53150      0.59074      0.65018      0.62483
  3605597.54 |       0.24971      0.28236      0.33627      0.40066      0.46601
0.54068      0.62602      0.72300      0.80874
  3605347.54 |       0.27989      0.28892      0.30663      0.34257      0.43013
0.51544      0.61099      0.73522      0.86417
  3605097.54 |       0.27952      0.31026      0.34234      0.34958      0.38516
0.44855      0.57775      0.69279      0.84094
  3604847.54 |       0.26644      0.29591      0.32150      0.35840      0.43281
0.43893      0.49967      0.64352      0.77294
  3604597.54 |       0.24988      0.27637      0.31060      0.36112      0.42899
0.44296      0.52038      0.56327      0.69936
  3604347.54 |       0.23601      0.25871      0.28991      0.33042      0.38450
0.44912      0.52670      0.60192      0.62485
  3604097.54 |       0.21992      0.24894      0.27278      0.30548      0.34817
0.40257      0.48930      0.56517      0.60493
  3603847.54 |       0.20332      0.22678      0.26030      0.28727      0.33060
0.38264      0.43231      0.47827      0.56323
  3603597.54 |       0.18994      0.20827      0.23607      0.26361      0.29048
0.33363      0.37212      0.41983      0.49409
  3603347.54 |       0.17954      0.19840      0.22074      0.24306      0.27051
0.30374      0.34462      0.39542      0.47379
  3603097.54 |       0.17234      0.18815      0.20610      0.23634      0.25640
0.28463      0.33313      0.37782      0.45736
  3602847.54 |       0.16575      0.18147      0.20367      0.22306      0.24730
0.27733      0.32620      0.37415      0.45150
  3602597.54 |       0.16220      0.17770      0.19883      0.22027      0.24616
0.27876      0.32433      0.37013      0.43262
  3602347.54 |       0.16037      0.17562      0.19339      0.21412      0.24329
0.27879      0.31394      0.34649      0.37899
  3602097.54 |       0.15881      0.17442      0.19313      0.21282      0.23646
0.25695      0.27805      0.30438      0.32841
  3601847.54 |       0.15848      0.17280      0.18653      0.20087      0.21700
0.23021      0.24878      0.27209      0.30562
  3601597.54 |       0.15470      0.16508      0.17398      0.18369      0.19435
0.20968      0.22871      0.25558      0.29134
  3601347.54 |       0.14616      0.15266      0.15983      0.16882      0.18238
0.19859      0.21926      0.24627      0.27752
  3601097.54 |       0.13551      0.14155      0.15010      0.16278      0.17621
0.19383      0.21389      0.24106      0.26970

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 287
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP12     ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
```

```
  3606097.54 |       0.51556      0.53644      0.51791      0.54759      0.46760
0.33511      0.14956      0.12962      0.04525
  3605847.54 |       0.61330      0.62621      0.66939      0.66890      0.55301
0.39490      0.30423      0.32888      0.11879
  3605597.54 |       0.77844      0.76673      0.77493      0.81302      0.83988
0.52241      0.34239      0.60182      0.56942
  3605347.54 |       0.99381      1.08377      0.99665      0.98143      0.94874
0.85819      0.76488      0.73003      0.20725
  3605097.54 |       1.02470      1.24337      1.46247      1.57986      1.45411
1.40627      1.23584      0.65611      0.08710
  3604847.54 |       0.97144      1.23694      1.61553      2.06075      2.42691
2.54741      1.83811      1.05301      0.20524
  3604597.54 |       0.88780      1.15795      1.51643      2.08718      2.98051
3.97854      4.13167      1.23432      0.25267
  3604347.54 |       0.81384      1.00667      1.27774      1.80412      2.75048
4.29851      6.84160      7.90457      2.13429
  3604097.54 |       0.68224      0.88368      1.18847      1.63431      2.19074
3.44007      6.65050     14.44421     24.94562
  3603847.54 |       0.65635      0.74181      0.94921      1.20495      1.73406
2.63505      4.54007      8.68893     33.25890
  3603597.54 |       0.61531      0.72757      0.88290      1.14487      1.47084
2.14101      3.63669      5.89939     14.63594
  3603347.54 |       0.56720      0.69142      0.82166      1.08698      1.50106
1.84900      2.56669      4.01174      7.55844
  3603097.54 |       0.55272      0.67197      0.81659      0.98304      1.16515
1.44468      2.04989      2.92040      4.12534
  3602847.54 |       0.54368      0.64014      0.71062      0.81398      0.97914
1.23603      1.65807      2.16264      2.58090
  3602597.54 |       0.49314      0.52034      0.60374      0.73288      0.87203
1.08138      1.34959      1.59374      1.87062
  3602347.54 |       0.40687      0.46207      0.54532      0.65790      0.78747
0.91392      1.08268      1.23334      1.39242
  3602097.54 |       0.36774      0.42041      0.50409      0.58759      0.68325
0.78197      0.89560      0.98707      1.07859
  3601847.54 |       0.34726      0.40049      0.47163      0.52842      0.59458
0.67456      0.75483      0.81079      0.87913
  3601597.54 |       0.33063      0.37938      0.43005      0.47409      0.52766
0.58857      0.64235      0.69083      0.72683
  3601347.54 |       0.31459      0.35498      0.39216      0.43317      0.47854
0.51676      0.56029      0.59063      0.62490
  3601097.54 |       0.30045      0.33043      0.36124      0.39630      0.43188
0.46002      0.48596      0.51835      0.54728

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 288
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP12     ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
```

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  3606097.54 |       0.03339      0.03517      0.02096      0.03737      0.01949
0.01303      0.01143      0.01095      0.00934
  3605847.54 |       0.09947      0.13988      0.03104      0.15096      0.02634
0.02009      0.01438      0.01296      0.01070
  3605597.54 |       0.57822      0.22847      0.14958      0.14843      0.09951
0.05139      0.01875      0.01286      0.01148
  3605347.54 |       0.12030      0.30243      0.22245      0.21630      0.22521
0.03318      0.02126      0.01549      0.01523
  3605097.54 |       0.06554      0.06995      0.05261      0.03644      0.04334
0.10227      0.02652      0.02155      0.01580
  3604847.54 |       0.08616      0.05119      0.04302      0.03443      0.03120
0.03038      0.03795      0.03311      0.02431
  3604597.54 |       0.14197      0.08938      0.05750      0.04483      0.03440
0.02873      0.03132      0.03273      0.04036
  3604347.54 |       0.50266      0.24476      0.11524      0.10061      0.05426
0.04127      0.03178      0.02983      0.03018
  3604097.54 |      14.89972      2.15364      0.51260      0.20994      0.12375
0.06440      0.04843      0.04318      0.03519
  3603847.54 |     315.36129      9.92722      2.92057      1.14296      0.36516
0.17476      0.11528      0.09605      0.06099
  3603597.54 |      10.81998      1.98851      1.34012      1.12872      0.79000
0.52219      0.33356      0.26075      0.14383
  3603347.54 |      10.56527      1.88479      0.48246      0.77671      1.76299
0.63442      1.04868      0.54422      0.22518
  3603097.54 |       5.58036      4.90285      0.88575      2.63464      2.01730
1.35894      1.20426      0.36700      0.19709
  3602847.54 |       2.87960      2.81787      3.00843      2.00356      1.57159
1.37050      1.11931      0.82425      0.15645
  3602597.54 |       1.98149      1.95419      1.90162      1.57807      1.37333
1.16407      0.98839      0.58250      0.12122
  3602347.54 |       1.50689      1.47737      1.38805      1.28911      1.19577
0.96413      0.85281      0.77607      0.55561
  3602097.54 |       1.15045      1.15789      1.08615      1.05451      0.99940
0.88520      0.78650      0.64745      0.58222
  3601847.54 |       0.91970      0.93142      0.91999      0.87577      0.82689
0.75374      0.71083      0.63646      0.53208
  3601597.54 |       0.76381      0.79658      0.77232      0.73983      0.68668
0.65529      0.61209      0.58533      0.48102
  3601347.54 |       0.64521      0.67900      0.65958      0.63774      0.57618
0.57093      0.55251      0.50373      0.42038
  3601097.54 |       0.55916      0.57794      0.57031      0.55219      0.51315
0.49982      0.48579      0.42060      0.42176

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 289
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP12     ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00748
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  3605847.54 |       0.00922      0.00822
  3605597.54 |       0.01052      0.00943
  3605347.54 |       0.01341      0.01087
  3605097.54 |       0.01357      0.01305
  3604847.54 |       0.01871      0.01946
  3604597.54 |       0.03494      0.01954
  3604347.54 |       0.02457      0.02095
  3604097.54 |       0.02899      0.02490
  3603847.54 |       0.04891      0.04327
  3603597.54 |       0.10422      0.07257
  3603347.54 |       0.11338      0.09071
  3603097.54 |       0.13427      0.10351
  3602847.54 |       0.11133      0.12032
  3602597.54 |       0.11174      0.14167
  3602347.54 |       0.32084      0.39452
  3602097.54 |       0.52764      0.47754
  3601847.54 |       0.46236      0.41917
  3601597.54 |       0.45131      0.37708
  3601347.54 |       0.39229      0.37097
  3601097.54 |       0.35323      0.34741

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 290
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP12     ***
                                 INCLUDING SOURCE(S):     TP12        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.97562                     507708.67
3603932.32        3.52060
         506203.59    3603369.23        0.50320                     507919.87
3604794.52        1.71100
         507037.89    3604916.08        1.86659

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 291
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP13     ***
                                 INCLUDING SOURCE(S):     TP13        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26422      0.29810      0.33866      0.39242      0.42692
0.50247      0.54327      0.54663      0.50895
  3605847.54 |       0.25958      0.29607      0.33670      0.40320      0.46938
0.53288      0.59302      0.65352      0.62888
  3605597.54 |       0.25002      0.28261      0.33644      0.40080      0.46625
0.54126      0.62735      0.72562      0.81302
  3605347.54 |       0.28026      0.28934      0.30708      0.34298      0.43045
0.51570      0.61142      0.73634      0.86684
  3605097.54 |       0.27963      0.31050      0.34273      0.35011      0.38581
0.44923      0.57837      0.69331      0.84177
  3604847.54 |       0.26631      0.29580      0.32146      0.35848      0.43310
0.43949      0.50054      0.64465      0.77411
  3604597.54 |       0.24978      0.27623      0.31042      0.36090      0.42875
0.44276      0.52032      0.56360      0.70023
  3604347.54 |       0.23591      0.25861      0.28978      0.33026      0.38430
0.44885      0.52634      0.60143      0.62441
  3604097.54 |       0.21969      0.24868      0.27249      0.30515      0.34779
0.40212      0.48878      0.56454      0.60423
  3603847.54 |       0.20304      0.22645      0.25990      0.28680      0.33004
0.38196      0.43149      0.47730      0.56200
  3603597.54 |       0.18979      0.20812      0.23590      0.26342      0.29028
0.33340      0.37186      0.41955      0.49376
  3603347.54 |       0.17952      0.19837      0.22070      0.24301      0.27045
0.30367      0.34457      0.39542      0.47393
  3603097.54 |       0.17230      0.18812      0.20608      0.23634      0.25646
0.28478      0.33343      0.37831      0.45816
  3602847.54 |       0.16578      0.18154      0.20381      0.22326      0.24759
0.27771      0.32675      0.37490      0.45239
  3602597.54 |       0.16235      0.17789      0.19906      0.22056      0.24654
0.27926      0.32487      0.37035      0.43190
  3602347.54 |       0.16054      0.17584      0.19367      0.21447      0.24364
0.27893      0.31356      0.34545      0.37766
  3602097.54 |       0.15903      0.17468      0.19337      0.21292      0.23625
0.25634      0.27718      0.30359      0.32810
  3601847.54 |       0.15866      0.17287      0.18640      0.20049      0.21639
0.22958      0.24837      0.27201      0.30581
  3601597.54 |       0.15462      0.16481      0.17355      0.18321      0.19396
0.20948      0.22872      0.25575      0.29164
  3601347.54 |       0.14584      0.15228      0.15947      0.16858      0.18229
0.19863      0.21940      0.24650      0.27780
  3601097.54 |       0.13520      0.14130      0.14997      0.16275      0.17627
0.19395      0.21407      0.24129      0.26987

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 292
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP13     ***
                                 INCLUDING SOURCE(S):     TP13        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

Y-COORD (METERS)	506368.86	506618.86	506868.86	507118.86	507368.86	507618.86	507868.86	508118.86	508368.86
3606097.54	0.51917	0.54011	0.52164	0.55190	0.47100	0.33733	0.15003	0.12994	0.04539
3605847.54	0.61803	0.63117	0.67458	0.67449	0.55822	0.39788	0.30599	0.33077	0.11908
3605597.54	0.78390	0.77339	0.78201	0.82036	0.84908	0.52735	0.34464	0.60677	0.57426
3605347.54	0.99901	1.09186	1.00649	0.99215	0.95940	0.86783	0.77237	0.73679	0.20203
3605097.54	1.02701	1.24931	1.47419	1.59729	1.47236	1.42487	1.25228	0.66249	0.08771
3604847.54	0.97254	1.23877	1.62156	2.07771	2.45955	2.59031	1.87200	1.06768	0.20665
3604597.54	0.88943	1.16035	1.51915	2.09229	3.00211	4.04435	4.22633	1.25555	0.25644
3604347.54	0.81332	1.00665	1.27915	1.80818	2.75850	4.31897	6.96512	8.17593	2.17903
3604097.54	0.68150	0.88256	1.18674	1.63176	2.18789	3.44033	6.67557	14.63873	26.77770
3603847.54	0.65481	0.73994	0.94656	1.20118	1.72781	2.62378	4.51628	8.63219	33.11959
3603597.54	0.61493	0.72718	0.88262	1.14511	1.47286	2.14846	3.64943	5.85744	14.51002
3603347.54	0.56764	0.69244	0.82359	1.09040	1.50333	1.84043	2.56335	4.00996	7.43661
3603097.54	0.55397	0.67362	0.81736	0.97997	1.15993	1.44614	2.05194	2.90431	4.07102
3602847.54	0.54403	0.63864	0.70748	0.81217	0.98061	1.23772	1.65338	2.14814	2.55359
3602597.54	0.49125	0.51863	0.60333	0.73396	0.87327	1.07974	1.34470	1.58275	1.85427
3602347.54	0.40608	0.46214	0.54608	0.65880	0.78694	0.91158	1.07828	1.22544	1.38203
3602097.54	0.36793	0.42095	0.50474	0.58753	0.68192	0.77990	0.89165	0.98138	1.07155
3601847.54	0.34766	0.40097	0.47174	0.52767	0.59331	0.67265	0.75148	0.80658	0.87404
3601597.54	0.33100	0.37955	0.42964	0.47321	0.52658	0.58674	0.63962	0.68758	0.72305
3601347.54	0.31477	0.35478	0.39154	0.43239	0.47752	0.51506	0.55806	0.58808	0.62196
3601097.54	0.30037	0.33001	0.36063	0.39562	0.43086	0.45850	0.48417	0.51627	0.54492

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 293
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP13 ***
INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	508618.86	508868.86	509118.86	509368.86	509618.86	509868.86	510118.86	510368.86	510618.86
3606097.54	0.03349	0.03531	0.02100	0.03754	0.01954	0.01306	0.01147	0.01097	0.00934
3605847.54	0.09957	0.14086	0.03117	0.15181	0.02641	0.02019	0.01440	0.01296	0.01069
3605597.54	0.58297	0.23016	0.15028	0.14963	0.10076	0.05090	0.01874	0.01285	0.01149
3605347.54	0.12043	0.30432	0.22373	0.21867	0.22591	0.03308	0.02114	0.01555	0.01527
3605097.54	0.06603	0.07036	0.05293	0.03670	0.04317	0.10342	0.02676	0.02166	0.01584
3604847.54	0.08698	0.05177	0.04326	0.03451	0.03113	0.03064	0.03827	0.03327	0.02446
3604597.54	0.14395	0.09040	0.05781	0.04489	0.03459	0.02902	0.03165	0.03305	0.04084
3604347.54	0.51407	0.24753	0.11633	0.10195	0.05509	0.04161	0.03201	0.03018	0.03060
3604097.54	15.71892	2.21142	0.53780	0.21739	0.12702	0.06569	0.04919	0.04375	0.03559
3603847.54	266.62885	10.32027	3.02020	1.17784	0.37787	0.17983	0.11811	0.09813	0.06212
3603597.54	10.54733	1.89094	1.28325	1.11172	0.78676	0.52233	0.33487	0.26236	0.14530
3603347.54	10.25943	1.85584	0.46984	0.75980	1.73867	0.62736	1.04229	0.54329	0.22495
3603097.54	5.47377	4.80358	0.87904	2.60295	1.99417	1.34335	1.19157	0.36418	0.19574
3602847.54	2.84085	2.77582	2.96494	1.98165	1.55734	1.35885	1.10964	0.81669	0.15457
3602597.54	1.96036	1.93039	1.87962	1.56177	1.36175	1.15539	0.98158	0.58006	0.12022
3602347.54	1.49374	1.46233	1.37441	1.27716	1.18601	0.95759	0.84756	0.77151	0.55346
3602097.54	1.14186	1.14780	1.07679	1.04587	0.99167	0.87933	0.78213	0.64421	0.57933
3601847.54	0.91372	0.92435	0.91299	0.86936	0.82107	0.74890	0.70680	0.63333	0.52963
3601597.54	0.75943	0.79129	0.76705	0.73495	0.68232	0.65129	0.60875	0.58241	0.47893
3601347.54	0.64190	0.67498	0.65550	0.63391	0.57282	0.56770	0.54956	0.50135	0.41859
3601097.54	0.55657	0.57486	0.56711	0.54914	0.51040	0.49721	0.48332	0.41863	0.41999

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 294
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP13 ***
INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 510868.86	511118.86
3606097.54	0.00836	0.00748
3605847.54	0.00923	0.00824
3605597.54	0.01055	0.00943
3605347.54	0.01343	0.01090
3605097.54	0.01366	0.01316
3604847.54	0.01884	0.01955
3604597.54	0.03526	0.01965
3604347.54	0.02487	0.02115
3604097.54	0.02928	0.02513
3603847.54	0.04971	0.04391
3603597.54	0.10537	0.07338
3603347.54	0.11355	0.09099
3603097.54	0.13364	0.10325
3602847.54	0.11016	0.11952
3602597.54	0.11056	0.14048
3602347.54	0.31993	0.39260
3602097.54	0.52522	0.47537
3601847.54	0.46035	0.41750
3601597.54	0.44944	0.37562
3601347.54	0.39078	0.36960
3601097.54	0.35188	0.34619

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 295
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP13 ***
INCLUDING SOURCE(S): TP13 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TAC IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
508226.78	3603955.63	20.01501	507708.67	3603932.32	3.50654
506203.59	3603369.23	0.50335	507919.87	3604794.52	1.74242
507037.89	3604916.08	1.88160			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 296
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP14 ***
INCLUDING SOURCE(S): TP14 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 504118.86	504368.86	504618.86	504868.86	505118.86	505368.86	505618.86	505868.86	506118.86
3606097.54	0.26418	0.29815	0.33891	0.39306	0.42808	0.50445	0.54603	0.54998	0.51260
3605847.54	0.25958	0.29603	0.33668	0.40337	0.46995	0.53414	0.59527	0.65697	0.63305
3605597.54	0.25024	0.28275	0.33651	0.40081	0.46631	0.54164	0.62848	0.72813	0.81740
3605347.54	0.28059	0.28969	0.30741	0.34325	0.43063	0.51577	0.61157	0.73713	0.86923
3605097.54	0.27968	0.31067	0.34304	0.35051	0.38630	0.44971	0.57879	0.69353	0.84214
3604847.54	0.26611	0.29561	0.32130	0.35843	0.43325	0.43982	0.50113	0.64556	0.77496
3604597.54	0.24962	0.27602	0.31016	0.36056	0.42834	0.44235	0.52000	0.56351	0.70063
3604347.54	0.23576	0.25843	0.28958	0.33001	0.38399	0.44843	0.52577	0.60068	0.62346
3604097.54	0.21941	0.24835	0.27211	0.30472	0.34729	0.40152	0.48803	0.56365	0.60317
3603847.54	0.20271	0.22607	0.25944	0.28627	0.32938	0.38114	0.43051	0.47615	0.56054
3603597.54	0.18962	0.20793	0.23569	0.26318	0.29001	0.33309	0.37151	0.41913	0.49327
3603347.54	0.17947	0.19831	0.22062	0.24291	0.27033	0.30353	0.34443	0.39532	0.47394
3603097.54	0.17224	0.18805	0.20601	0.23631	0.25647	0.28487	0.33366	0.37871	0.45882
3602847.54	0.16579	0.18159	0.20391	0.22343	0.24783	0.27804	0.32722	0.37555	0.45311
3602597.54	0.16248	0.17805	0.19926	0.22081	0.24688	0.27969	0.32531	0.37041	0.43099
3602347.54	0.16069	0.17602	0.19392	0.21478	0.24392	0.27898	0.31307	0.34433	0.37629
3602097.54	0.15922	0.17490	0.19357	0.21296	0.23598	0.25568	0.27627	0.30278	0.32774
3601847.54	0.15881	0.17291	0.18623	0.20006	0.21576	0.22895	0.24794	0.27187	0.30592
3601597.54	0.15451	0.16452	0.17311	0.18271	0.19355	0.20926	0.22869	0.25585	0.29184
3601347.54	0.14551	0.15189	0.15911	0.16834	0.18218	0.19864	0.21949	0.24665	0.27799
3601097.54	0.13489	0.14106	0.14982	0.16270	0.17630	0.19402	0.21419	0.24144	0.26995

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 297
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP14 ***
INCLUDING SOURCE(S): TP14 ,

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52302      0.54414      0.52588      0.55690      0.47485
0.33940      0.15023      0.13004      0.04551
  3605847.54 |       0.62296      0.63646      0.68035      0.68097      0.56401
0.40068      0.30740      0.33260      0.11917
  3605597.54 |       0.78949      0.78033      0.78957      0.82852      0.85937
0.53246      0.34621      0.61222      0.57951
  3605347.54 |       1.00417      1.10029      1.01672      1.00355      0.97103
0.87914      0.78105      0.74445      0.20217
  3605097.54 |       1.02877      1.25486      1.48620      1.61607      1.49233
1.44609      1.27190      0.66803      0.08841
  3604847.54 |       0.97313      1.23973      1.62651      2.09434      2.49406
2.63671      1.90755      1.08119      0.20804
  3604597.54 |       0.89057      1.16215      1.52083      2.09537      3.02110
4.11082      4.32793      1.27615      0.26063
  3604347.54 |       0.81221      1.00572      1.27919      1.81050      2.76362
4.33256      7.08501      8.48256      2.21919
  3604097.54 |       0.68017      0.88071      1.18401      1.62758      2.18183
3.43385      6.68428     14.77803     28.98795
  3603847.54 |       0.65294      0.73747      0.94309      1.19607      1.71961
2.60907      4.48489      8.55181     32.89550
  3603597.54 |       0.61430      0.72648      0.88191      1.14473      1.47386
2.15389      3.65369      5.80463     14.30130
  3603347.54 |       0.56790      0.69318      0.82513      1.09307      1.50363
1.82955      2.55825      3.99669      7.30507
  3603097.54 |       0.55502      0.67492      0.81747      0.97608      1.15432
1.44648      2.05055      2.88364      4.01442
  3602847.54 |       0.54406      0.63672      0.70411      0.81017      0.98140
1.23790      1.64687      2.13165      2.52508
  3602597.54 |       0.48920      0.51684      0.60276      0.73458      0.87375
1.07714      1.33875      1.57081      1.83736
  3602347.54 |       0.40523      0.46206      0.54655      0.65925      0.78586
0.90865      1.07317      1.21703      1.37127
  3602097.54 |       0.36800      0.42130      0.50510      0.58711      0.68023
0.77740      0.88729      0.97537      1.06423
  3601847.54 |       0.34792      0.40126      0.47161      0.52669      0.59178
0.67043      0.74789      0.80215      0.86878
  3601597.54 |       0.33123      0.37956      0.42907      0.47217      0.52528
0.58470      0.63675      0.68420      0.71915
  3601347.54 |       0.31483      0.35446      0.39081      0.43148      0.47634
0.51323      0.55575      0.58543      0.61895
  3601097.54 |       0.30020      0.32950      0.35995      0.39485      0.42974
0.45690      0.48231      0.51414      0.54252

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 298
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP14     ***
                                  INCLUDING SOURCE(S):     TP14        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03361      0.03544      0.02104      0.03765      0.01959
0.01309      0.01151      0.01100      0.00934
  3605847.54 |       0.09945      0.14145      0.03130      0.15240      0.02648
0.02028      0.01444      0.01296      0.01069
  3605597.54 |       0.58798      0.23129      0.15058      0.15036      0.10169
0.05035      0.01872      0.01286      0.01152
  3605347.54 |       0.12037      0.30555      0.22455      0.22048      0.22589
0.03300      0.02105      0.01562      0.01531
  3605097.54 |       0.06657      0.07081      0.05325      0.03693      0.04304
0.10421      0.02699      0.02178      0.01590
  3604847.54 |       0.08790      0.05239      0.04356      0.03461      0.03111
0.03090      0.03858      0.03341      0.02462
  3604597.54 |       0.14613      0.09148      0.05815      0.04506      0.03482
0.02932      0.03199      0.03337      0.04130
  3604347.54 |       0.52590      0.24968      0.11799      0.10328      0.05597
0.04199      0.03230      0.03058      0.03106
  3604097.54 |      16.67630      2.26424      0.56374      0.22530      0.13050
0.06708      0.05001      0.04431      0.03605
  3603847.54 |     192.03018     10.64431      3.11654      1.21341      0.39146
0.18534      0.12118      0.10037      0.06335
  3603597.54 |      10.20346      1.79793      1.22623      1.09471      0.78366
0.52260      0.33623      0.26396      0.14688
  3603347.54 |       9.96768      1.82246      0.45701      0.74235      1.71087
0.61969      1.03390      0.54153      0.22474
  3603097.54 |       5.36914      4.71171      0.87089      2.57384      1.97395
1.32721      1.17829      0.36095      0.19435
  3602847.54 |       2.80200      2.73671      2.92381      1.96297      1.54556
1.34842      1.10103      0.80867      0.15256
  3602597.54 |       1.93894      1.90784      1.85938      1.54690      1.35206
1.14820      0.97577      0.57680      0.11916
  3602347.54 |       1.48046      1.44796      1.36170      1.26603      1.17749
0.95215      0.84325      0.76751      0.55102
  3602097.54 |       1.13311      1.13809      1.06795      1.03790      0.98459
0.87432      0.77779      0.64083      0.57693
  3601847.54 |       0.90760      0.91750      0.90641      0.86344      0.81565
0.74455      0.70341      0.63032      0.52762
  3601597.54 |       0.75495      0.78619      0.76208      0.73040      0.67828
0.64756      0.60584      0.57997      0.47722
  3601347.54 |       0.63852      0.67110      0.65166      0.63032      0.56969
0.56469      0.54687      0.49932      0.41707
  3601097.54 |       0.55394      0.57186      0.56408      0.54628      0.50784
0.49480      0.48101      0.41683      0.41851

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 299
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP14     ***
                                  INCLUDING SOURCE(S):     TP14        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00836      0.00749
  3605847.54 |       0.00924      0.00825
  3605597.54 |       0.01057      0.00943
  3605347.54 |       0.01345      0.01095
  3605097.54 |       0.01376      0.01327
  3604847.54 |       0.01896      0.01964
  3604597.54 |       0.03558      0.01978
  3604347.54 |       0.02518      0.02136
  3604097.54 |       0.02961      0.02538
  3603847.54 |       0.05058      0.04460
  3603597.54 |       0.10662      0.07427
  3603347.54 |       0.11378      0.09131
  3603097.54 |       0.13303      0.10301
  3602847.54 |       0.10894      0.11867
  3602597.54 |       0.10931      0.13913
  3602347.54 |       0.31843      0.39031
  3602097.54 |       0.52319      0.47350
  3601847.54 |       0.45869      0.41612
  3601597.54 |       0.44791      0.37441
  3601347.54 |       0.38955      0.36849
  3601097.54 |       0.35074      0.34520

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 300
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP14     ***
                                 INCLUDING SOURCE(S):     TP14        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.91847                       507708.67
3603932.32        3.48581
         506203.59    3603369.23        0.50335                       507919.87
3604794.52        1.77441
         507037.89    3604916.08        1.89649

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 301
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15     ***
                                 INCLUDING SOURCE(S):     TP15        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26294      0.29675      0.33740      0.39148      0.42685
0.50337      0.54554      0.55043      0.51419
  3605847.54 |       0.25839      0.29451      0.33485      0.40108      0.46742
0.53174      0.59341      0.65593      0.63368
  3605597.54 |       0.24932      0.28152      0.33470      0.39832      0.46321
0.53805      0.62473      0.72476      0.81519
  3605347.54 |       0.27944      0.28855      0.30618      0.34167      0.42803
0.51213      0.60690      0.73153      0.86361
  3605097.54 |       0.27833      0.30916      0.34138      0.34895      0.38454
0.44732      0.57477      0.68788      0.83459
  3604847.54 |       0.26467      0.29395      0.31949      0.35638      0.43061
0.43742      0.49836      0.64119      0.76884
  3604597.54 |       0.24834      0.27451      0.30833      0.35825      0.42539
0.43927      0.51616      0.55955      0.69532
  3604347.54 |       0.23459      0.25708      0.28796      0.32803      0.38148
0.44524      0.52169      0.59557      0.61822
  3604097.54 |       0.21828      0.24699      0.27055      0.30286      0.34501
0.39868      0.48429      0.55895      0.59792
  3603847.54 |       0.20168      0.22484      0.25792      0.28450      0.32719
0.37842      0.42721      0.47224      0.55551
  3603597.54 |       0.18874      0.20691      0.23445      0.26172      0.28832
0.33100      0.36903      0.41615      0.48943
  3603347.54 |       0.17870      0.19740      0.21955      0.24167      0.26886
0.30177      0.34228      0.39267      0.47046
  3603097.54 |       0.17152      0.18722      0.20506      0.23513      0.25515
0.28333      0.33170      0.37635      0.45567
  3602847.54 |       0.16512      0.18083      0.20301      0.22240      0.24662
0.27661      0.32537      0.37326      0.45006
  3602597.54 |       0.16186      0.17733      0.19841      0.21981      0.24569
0.27826      0.32349      0.36817      0.42817
  3602347.54 |       0.16009      0.17533      0.19311      0.21384      0.24277
0.27755      0.31135      0.34234      0.37400
  3602097.54 |       0.15863      0.17422      0.19278      0.21203      0.23488
0.25443      0.27485      0.30112      0.32579
  3601847.54 |       0.15822      0.17224      0.18548      0.19921      0.21480
0.22789      0.24671      0.27040      0.30411
  3601597.54 |       0.15395      0.16390      0.17243      0.18197      0.19273
0.20830      0.22756      0.25448      0.29014
  3601347.54 |       0.14500      0.15134      0.15851      0.16767      0.18140
0.19773      0.21842      0.24535      0.27642
  3601097.54 |       0.13443      0.14055      0.14926      0.16204      0.17554
0.19314      0.21315      0.24018      0.26849

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 302
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15     ***
                                  INCLUDING SOURCE(S):     TP15        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52490      0.54599      0.52880      0.56228      0.47944
0.34193      0.15346      0.13252      0.04593
  3605847.54 |       0.62505      0.63908      0.68303      0.68571      0.57547
0.40544      0.31257      0.33814      0.12155
  3605597.54 |       0.78985      0.78309      0.79343      0.83288      0.87344
0.54480      0.35186      0.61575      0.58149
  3605347.54 |       0.99992      1.09894      1.02033      1.00967      0.97911
0.89111      0.78771      0.74856      0.20800
  3605097.54 |       1.01984      1.24651      1.48173      1.61886      1.50138
1.46056      1.29241      0.68274      0.08977
  3604847.54 |       0.96379      1.22624      1.60981      2.08135      2.49657
2.66003      1.97461      1.10792      0.21333
  3604597.54 |       0.88310      1.15079      1.50267      2.06588      2.98479
4.10779      4.38693      1.35231      0.26737
  3604347.54 |       0.80423      0.99505      1.26472      1.78685      2.71865
4.24512      7.00294      8.62562      2.33212
  3604097.54 |       0.67401      0.87136      1.16901      1.60302      2.14368
3.35971      6.49494     14.21427     30.19728
  3603847.54 |       0.64658      0.72991      0.93196      1.18000      1.69111
2.55451      4.35888      8.21172     30.31187
  3603597.54 |       0.60894      0.71951      0.87254      1.13082      1.45364
2.11798      3.57167      5.62971     13.63656
  3603347.54 |       0.56337      0.68711      0.81718      1.08085      1.48364
1.80159      2.50837      3.89999      7.12024
  3603097.54 |       0.55083      0.66925      0.80972      0.96574      1.14060
1.42571      2.01594      2.83237      3.94783
  3602847.54 |       0.54004      0.63159      0.69795      0.80219      0.97003
1.22201      1.62478      2.10297      2.49415
  3602597.54 |       0.48582      0.51299      0.59766      0.72740      0.86444
1.06556      1.32355      1.55463      1.81882
  3602347.54 |       0.40256      0.45865      0.54200      0.65323      0.77861
0.90023      1.06313      1.20670      1.35976
  3602097.54 |       0.36559      0.41826      0.50112      0.58242      0.67483
0.77095      0.88039      0.96823      1.05661
  3601847.54 |       0.34568      0.39847      0.46822      0.52303      0.58753
0.66552      0.74290      0.79696      0.86327
  3601597.54 |       0.32916      0.37711      0.42636      0.46918      0.52178
0.58097      0.63298      0.68016      0.71507
  3601347.54 |       0.31299      0.35241      0.38858      0.42889      0.47340
0.51036      0.55273      0.58231      0.61570
  3601097.54 |       0.29858      0.32777      0.35800      0.39258      0.42735
0.45459      0.47991      0.51160      0.53986

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 303
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15     ***
                                  INCLUDING SOURCE(S):     TP15        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03385      0.03566      0.02120      0.03795      0.01969
0.01315      0.01157      0.01104      0.00938
  3605847.54 |       0.10142      0.14313      0.03151      0.15432      0.02665
0.02037      0.01450      0.01302      0.01074
  3605597.54 |       0.59116      0.23451      0.15314      0.15244      0.10277
0.05120      0.01885      0.01292      0.01156
  3605347.54 |       0.12309      0.31116      0.22850      0.22353      0.22978
0.03331      0.02122      0.01569      0.01539
  3605097.54 |       0.06738      0.07180      0.05380      0.03724      0.04356
0.10596      0.02717      0.02191      0.01598
  3604847.54 |       0.08920      0.05289      0.04406      0.03498      0.03144
0.03116      0.03893      0.03371      0.02481
  3604597.54 |       0.14901      0.09304      0.05902      0.04565      0.03517
0.02961      0.03227      0.03373      0.04173
  3604347.54 |       0.54181      0.25719      0.12044      0.10508      0.05675
0.04246      0.03263      0.03100      0.03138
  3604097.54 |      17.61776      2.38653      0.58543      0.23187      0.13354
0.06828      0.05076      0.04497      0.03647
  3603847.54 |     235.19853     11.46336      3.28558      1.26437      0.40551
0.19068      0.12407      0.10247      0.06445
  3603597.54 |      10.40753      1.77618      1.20808      1.10630      0.79624
0.53091      0.34136      0.26791      0.14915
  3603347.54 |       9.81744      1.85318      0.45307      0.74142      1.72655
0.62364      1.04661      0.54899      0.22681
  3603097.54 |       5.30348      4.69869      0.89120      2.60405      1.98347
1.33580      1.18328      0.36297      0.19494
  3602847.54 |       2.77571      2.72788      2.79096      1.97097      1.55252
1.35573      1.10367      0.81188      0.15202
  3602597.54 |       1.92354      1.90194      1.85522      1.54652      1.35697
1.15252      0.97906      0.58328      0.11913
  3602347.54 |       1.46987      1.44338      1.35915      1.26322      1.17882
0.95523      0.84574      0.77013      0.55588
  3602097.54 |       1.12605      1.13450      1.06589      1.03622      0.98305
0.87594      0.78335      0.64509      0.57804
  3601847.54 |       0.90253      0.91467      0.90439      0.86215      0.81403
0.74446      0.70476      0.63390      0.52872
  3601597.54 |       0.75107      0.78361      0.76044      0.72910      0.67741
0.64645      0.60632      0.58104      0.47821
  3601347.54 |       0.63548      0.66891      0.65029      0.62907      0.56918
0.56372      0.54633      0.49993      0.41789
  3601097.54 |       0.55145      0.57007      0.56290      0.54522      0.50720
0.49425      0.48015      0.41697      0.41907

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 304
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15     ***
                                 INCLUDING SOURCE(S):     TP15        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00840      0.00751
  3605847.54 |       0.00928      0.00828
  3605597.54 |       0.01061      0.00947
  3605347.54 |       0.01351      0.01099
  3605097.54 |       0.01388      0.01333
  3604847.54 |       0.01907      0.01975
  3604597.54 |       0.03593      0.01991
  3604347.54 |       0.02541      0.02152
  3604097.54 |       0.02992      0.02563
  3603847.54 |       0.05136      0.04522
  3603597.54 |       0.10819      0.07528
  3603347.54 |       0.11477      0.09212
  3603097.54 |       0.13353      0.10348
  3602847.54 |       0.10860      0.11874
  3602597.54 |       0.10891      0.13900
  3602347.54 |       0.32164      0.39281
  3602097.54 |       0.52430      0.47446
  3601847.54 |       0.45941      0.41677
  3601597.54 |       0.44874      0.37493
  3601347.54 |       0.39029      0.36907
  3601097.54 |       0.35136      0.34576

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 305
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15     ***
                                 INCLUDING SOURCE(S):     TP15        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.76003                      507708.67
3603932.32        3.40113
         506203.59    3603369.23        0.49954                      507919.87
3604794.52        1.84976
         507037.89    3604916.08        1.88627
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 306
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16     ***
                                 INCLUDING SOURCE(S):     TP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26239      0.29612      0.33670      0.39075      0.42625
0.50280      0.54521      0.55050      0.51477
  3605847.54 |       0.25786      0.29383      0.33403      0.40004      0.46626
0.53060      0.59248      0.65532      0.63380
  3605597.54 |       0.24891      0.28097      0.33389      0.39720      0.46182
0.53643      0.62299      0.72314      0.81403
  3605347.54 |       0.27892      0.28803      0.30562      0.34095      0.42686
0.51050      0.60481      0.72899      0.86098
  3605097.54 |       0.27772      0.30848      0.34062      0.34824      0.38373
0.44624      0.57297      0.68535      0.83120
  3604847.54 |       0.26404      0.29321      0.31867      0.35546      0.42943
0.43633      0.49710      0.63920      0.76608
  3604597.54 |       0.24777      0.27384      0.30752      0.35723      0.42409
0.43791      0.51445      0.55777      0.69293
  3604347.54 |       0.23406      0.25648      0.28725      0.32715      0.38036
0.44383      0.51988      0.59331      0.61591
  3604097.54 |       0.21779      0.24639      0.26986      0.30204      0.34401
0.39743      0.48264      0.55687      0.59561
  3603847.54 |       0.20122      0.22431      0.25725      0.28372      0.32623
0.37724      0.42576      0.47054      0.55332
  3603597.54 |       0.18835      0.20646      0.23391      0.26107      0.28757
0.33007      0.36793      0.41484      0.48773
  3603347.54 |       0.17836      0.19700      0.21908      0.24111      0.26820
0.30099      0.34133      0.39149      0.46891
  3603097.54 |       0.17120      0.18685      0.20464      0.23460      0.25455
0.28264      0.33081      0.37528      0.45423
  3602847.54 |       0.16482      0.18049      0.20260      0.22193      0.24607
0.27595      0.32452      0.37222      0.44867
  3602597.54 |       0.16157      0.17701      0.19802      0.21935      0.24515
0.27760      0.32266      0.36717      0.42694
  3602347.54 |       0.15981      0.17501      0.19274      0.21341      0.24225
0.27691      0.31060      0.34149      0.37302
  3602097.54 |       0.15836      0.17391      0.19241      0.21161      0.23439
0.25389      0.27425      0.30041      0.32493
  3601847.54 |       0.15796      0.17194      0.18514      0.19885      0.21439
0.22743      0.24617      0.26975      0.30329
  3601597.54 |       0.15370      0.16363      0.17215      0.18165      0.19237
0.20788      0.22705      0.25386      0.28937
  3601347.54 |       0.14478      0.15111      0.15826      0.16737      0.18106
0.19732      0.21793      0.24475      0.27570
  3601097.54 |       0.13424      0.14034      0.14901      0.16175      0.17520
0.19274      0.21267      0.23961      0.26783
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 307
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16     ***
                                  INCLUDING SOURCE(S):     TP16        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.52562      0.54669      0.52996      0.56453      0.48142
0.34301      0.15493      0.13363      0.04651
  3605847.54 |       0.62581      0.64008      0.68404      0.68760      0.58047
0.40757      0.31481      0.34060      0.12267
  3605597.54 |       0.78978      0.78406      0.79491      0.83455      0.87932
0.55039      0.35430      0.61716      0.58223
  3605347.54 |       0.99778      1.09798      1.02155      1.01203      0.98230
0.89613      0.79054      0.75016      0.21069
  3605097.54 |       1.01576      1.24250      1.47920      1.61936      1.50475
1.46625      1.30116      0.68902      0.09037
  3604847.54 |       0.95961      1.22018      1.60209      2.07474      2.49617
2.66877      2.00317      1.12012      0.21569
  3604597.54 |       0.87972      1.14566      1.49455      2.05261      2.96755
4.10306      4.40944      1.38760      0.27032
  3604347.54 |       0.80070      0.99031      1.25825      1.77623      2.69856
4.20578      6.95936      8.67628      2.38365
  3604097.54 |       0.67130      0.86725      1.16243      1.59226      2.12698
3.32714      6.41142     13.96150     30.60774
  3603847.54 |       0.64380      0.72662      0.92711      1.17302      1.67876
2.53096      4.30484      8.06760     29.25175
  3603597.54 |       0.60657      0.71642      0.86838      1.12464      1.44462
2.10189      3.53549      5.55515     13.35640
  3603347.54 |       0.56133      0.68436      0.81357      1.07532      1.47475
1.78957      2.48652      3.85782      7.04279
  3603097.54 |       0.54892      0.66667      0.80626      0.96127      1.13469
1.41647      2.00063      2.81030      3.92012
  3602847.54 |       0.53824      0.62936      0.69532      0.79869      0.96494
1.21492      1.61516      2.09071      2.48133
  3602597.54 |       0.48438      0.51133      0.59540      0.72417      0.86027
1.06047      1.31697      1.54779      1.81112
  3602347.54 |       0.40139      0.45712      0.53995      0.65052      0.77541
0.89657      1.05880      1.20237      1.35499
  3602097.54 |       0.36451      0.41689      0.49932      0.58034      0.67248
0.76814      0.87744      0.96523      1.05346
  3601847.54 |       0.34466      0.39721      0.46671      0.52143      0.58568
0.66340      0.74078      0.79479      0.86098
  3601597.54 |       0.32823      0.37602      0.42516      0.46788      0.52025
0.57937      0.63139      0.67847      0.71338
  3601347.54 |       0.31216      0.35150      0.38761      0.42775      0.47212
0.50913      0.55145      0.58099      0.61436
  3601097.54 |       0.29787      0.32702      0.35716      0.39159      0.42632
0.45361      0.47889      0.51053      0.53875
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 308
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16     ***
                                  INCLUDING SOURCE(S):     TP16        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03395      0.03575      0.02127      0.03807      0.01974
0.01317      0.01159      0.01105      0.00939
  3605847.54 |       0.10230      0.14385      0.03160      0.15518      0.02673
0.02041      0.01454      0.01305      0.01076
  3605597.54 |       0.59240      0.23588      0.15429      0.15333      0.10322
0.05163      0.01891      0.01295      0.01159
  3605347.54 |       0.12431      0.31361      0.23028      0.22484      0.23152
0.03346      0.02130      0.01572      0.01542
  3605097.54 |       0.06770      0.07221      0.05403      0.03736      0.04380
0.10672      0.02724      0.02197      0.01603
  3604847.54 |       0.08975      0.05309      0.04428      0.03515      0.03159
0.03126      0.03907      0.03384      0.02488
  3604597.54 |       0.15026      0.09369      0.05942      0.04592      0.03533
0.02972      0.03239      0.03385      0.04198
  3604347.54 |       0.54995      0.26051      0.12151      0.10616      0.05707
0.04266      0.03277      0.03114      0.03152
  3604097.54 |      18.02007      2.44211      0.59455      0.23462      0.13482
0.06878      0.05107      0.04522      0.03665
  3603847.54 |     242.10162     11.83961      3.36130      1.28683      0.41154
0.19293      0.12528      0.10335      0.06492
  3603597.54 |      10.51854      1.77061      1.20124      1.11191      0.80204
0.53468      0.34364      0.26964      0.15013
  3603347.54 |       9.75682      1.86811      0.45178      0.74163      1.73441
0.62568      1.05256      0.55242      0.22775
  3603097.54 |       5.27677      4.69599      0.90088      2.61893      1.98859
1.34034      1.18591      0.36398      0.19537
  3602847.54 |       2.76502      2.72521      2.79143      1.97517      1.55615
1.35943      1.10521      0.81362      0.15181
  3602597.54 |       1.91727      1.90003      1.85409      1.54675      1.35953
1.15476      0.98076      0.58632      0.11916
  3602347.54 |       1.46552      1.44179      1.35844      1.26236      1.17967
0.95683      0.84705      0.77146      0.55815
  3602097.54 |       1.12315      1.13320      1.06526      1.03576      0.98257
0.87684      0.78601      0.64713      0.57863
  3601847.54 |       0.90045      0.91361      0.90371      0.86178      0.81350
0.74455      0.70548      0.63562      0.52930
  3601597.54 |       0.74947      0.78261      0.75988      0.72867      0.67718
0.64607      0.60662      0.58161      0.47872
  3601347.54 |       0.63422      0.66805      0.64981      0.62863      0.56906
0.56340      0.54617      0.50027      0.41831
  3601097.54 |       0.55042      0.56936      0.56248      0.54485      0.50700
0.49409      0.47984      0.41708      0.41937
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 309
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16     ***
                                 INCLUDING SOURCE(S):     TP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00841      0.00753
  3605847.54 |       0.00929      0.00829
  3605597.54 |       0.01063      0.00949
  3605347.54 |       0.01353      0.01101
  3605097.54 |       0.01390      0.01336
  3604847.54 |       0.01911      0.01980
  3604597.54 |       0.03607      0.01997
  3604347.54 |       0.02550      0.02159
  3604097.54 |       0.03005      0.02573
  3603847.54 |       0.05169      0.04548
  3603597.54 |       0.10886      0.07574
  3603347.54 |       0.11521      0.09252
  3603097.54 |       0.13377      0.10370
  3602847.54 |       0.10848      0.11879
  3602597.54 |       0.10877      0.13898
  3602347.54 |       0.32315      0.39402
  3602097.54 |       0.52488      0.47497
  3601847.54 |       0.45980      0.41712
  3601597.54 |       0.44918      0.37521
  3601347.54 |       0.39067      0.36938
  3601097.54 |       0.35168      0.34605

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 310
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16     ***
                                 INCLUDING SOURCE(S):     TP16        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.27038                      507708.67
3603932.32        3.36461
         506203.59    3603369.23        0.49783                      507919.87
3604794.52        1.88246
         507037.89    3604916.08        1.88099

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 311
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17     ***
                                 INCLUDING SOURCE(S):     TP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26215      0.29540      0.33495      0.38683      0.42014
0.49186      0.53047      0.53359      0.49796
  3605847.54 |       0.25732      0.29328      0.33321      0.39767      0.46158
0.52247      0.57966      0.63672      0.61374
  3605597.54 |       0.24751      0.27968      0.33235      0.39529      0.45917
0.53187      0.61449      0.70777      0.78983
  3605347.54 |       0.27632      0.28557      0.30348      0.33909      0.42413
0.50746      0.60060      0.72087      0.84479
  3605097.54 |       0.27629      0.30632      0.33764      0.34541      0.38064
0.44269      0.56783      0.68012      0.82393
  3604847.54 |       0.26382      0.29280      0.31802      0.35421      0.42645
0.43347      0.49302      0.63153      0.75753
  3604597.54 |       0.24748      0.27363      0.30737      0.35699      0.42372
0.43767      0.51319      0.55644      0.68783
  3604347.54 |       0.23380      0.25621      0.28692      0.32673      0.37983
0.44331      0.51947      0.59302      0.61805
  3604097.54 |       0.21821      0.24678      0.27033      0.30255      0.34453
0.39792      0.48320      0.55739      0.59699
  3603847.54 |       0.20197      0.22514      0.25819      0.28484      0.32760
0.37902      0.42785      0.47307      0.55654
  3603597.54 |       0.18847      0.20658      0.23392      0.26103      0.28750
0.32988      0.36771      0.41463      0.48726
  3603347.54 |       0.17797      0.19654      0.21853      0.24053      0.26754
0.30020      0.34030      0.38998      0.46624
  3603097.54 |       0.17087      0.18647      0.20415      0.23377      0.25344
0.28104      0.32819      0.37160      0.44864
  3602847.54 |       0.16424      0.17964      0.20133      0.22028      0.24397
0.27328      0.32077      0.36731      0.44259
  3602597.54 |       0.16045      0.17565      0.19634      0.21732      0.24259
0.27434      0.31890      0.36451      0.42807
  3602347.54 |       0.15858      0.17354      0.19091      0.21119      0.23981
0.27513      0.31094      0.34473      0.37772
  3602097.54 |       0.15695      0.17223      0.19069      0.21042      0.23445
0.25569      0.27728      0.30310      0.32543
```

```
  3601847.54 |       0.15668      0.17105      0.18511      0.19996      0.21646
0.22960      0.24738      0.26941      0.30155
  3601597.54 |       0.15360      0.16433      0.17358      0.18337      0.19369
0.20827      0.22641      0.25239      0.28718
  3601347.54 |       0.14580      0.15244      0.15948      0.16806      0.18101
0.19661      0.21670      0.24305      0.27365
  3601097.54 |       0.13530      0.14112      0.14929      0.16149      0.17450
0.19169      0.21129      0.23792      0.26627

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 312
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17     ***
                                INCLUDING SOURCE(S):     TP17        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50741      0.52687      0.50931      0.54137      0.46433
0.33706      0.15996      0.13778      0.04653
  3605847.54 |       0.60314      0.61519      0.65534      0.65544      0.56096
0.40014      0.31592      0.33825      0.12719
  3605597.54 |       0.76264      0.75225      0.75978      0.79480      0.86123
0.53671      0.35764      0.59105      0.55650
  3605347.54 |       0.96846      1.05392      0.97452      0.96014      0.92943
0.84340      0.74750      0.71179      0.21962
  3605097.54 |       1.00074      1.20883      1.41526      1.52499      1.40906
1.36442      1.20671      0.68306      0.08794
  3604847.54 |       0.95013      1.20612      1.56619      1.98347      2.32569
2.45401      1.88994      1.08870      0.21614
  3604597.54 |       0.86896      1.12874      1.47392      2.01813      2.85326
3.78938      3.96441      1.37483      0.25516
  3604347.54 |       0.80082      0.98812      1.24983      1.74956      2.64516
4.08856      6.35687      7.27977      2.33721
  3604097.54 |       0.67476      0.87050      1.16520      1.59509      2.13260
3.31141      6.25639     13.06215     21.38262
  3603847.54 |       0.64824      0.73452      0.93742      1.18976      1.70113
2.56752      4.37666      8.30677     30.09032
  3603597.54 |       0.60551      0.71469      0.86535      1.11745      1.42919
2.05839      3.44666      5.71560     13.70998
  3603347.54 |       0.55680      0.67660      0.80093      1.05388      1.45410
1.81465      2.49807      3.85539      7.49490
  3603097.54 |       0.54082      0.65594      0.79784      0.96847      1.15324
1.40693      1.98296      2.87493      4.13978
  3602847.54 |       0.53394      0.63287      0.70615      0.80434      0.95520
1.20364      1.63085      2.14784      2.59796
  3602597.54 |       0.49096      0.51730      0.59546      0.71683      0.85154
1.06422      1.33493      1.59369      1.87869
  3602347.54 |       0.40380      0.45544      0.53473      0.64405      0.77471
0.90498      1.07612      1.23579      1.39841
  3602097.54 |       0.36260      0.41323      0.49472      0.57861      0.67647
0.77578      0.89318      0.98928      1.08342
```

```
  3601847.54 |       0.34185      0.39382      0.46455      0.52319      0.59006
0.67049      0.75410      0.81244      0.88224
  3601597.54 |       0.32560      0.37404      0.42558      0.47061      0.52397
0.58620      0.64223      0.69157      0.72917
  3601347.54 |       0.31040      0.35125      0.38923      0.43011      0.47544
0.51551      0.56005      0.59115      0.62622
  3601097.54 |       0.29728      0.32790      0.35887      0.39352      0.42964
0.45926      0.48582      0.51854      0.54793

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 313
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17     ***
                                INCLUDING SOURCE(S):     TP17        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03366      0.03546      0.02128      0.03826      0.01963
0.01308      0.01140      0.01095      0.00940
  3605847.54 |       0.10663      0.14585      0.03148      0.15711      0.02663
0.02001      0.01446      0.01309      0.01077
  3605597.54 |       0.56982      0.23696      0.15927      0.15504      0.10332
0.05569      0.01901      0.01299      0.01152
  3605347.54 |       0.12930      0.31666      0.23539      0.22468      0.23638
0.03431      0.02191      0.01553      0.01522
  3605097.54 |       0.06550      0.07134      0.05276      0.03625      0.04510
0.10842      0.02637      0.02155      0.01587
  3604847.54 |       0.08603      0.05063      0.04332      0.03470      0.03202
0.03031      0.03813      0.03349      0.02434
  3604597.54 |       0.14069      0.08853      0.05771      0.04607      0.03437
0.02846      0.03095      0.03258      0.04039
  3604347.54 |       0.51498      0.24287      0.11890      0.10060      0.05315
0.04097      0.03170      0.02958      0.02958
  3604097.54 |      13.52845      2.39090      0.50833      0.20194      0.11970
0.06252      0.04743      0.04253      0.03472
  3603847.54 |     508.60677     10.38214      3.01480      1.15383      0.35107
0.16852      0.11159      0.09352      0.05947
  3603597.54 |      13.69989      2.29856      1.50326      1.20822      0.82772
0.54009      0.33998      0.26441      0.14342
  3603347.54 |      11.01311      2.14523      0.52285      0.84519      1.93226
0.67621      1.12578      0.57714      0.23071
  3603097.54 |       5.71610      5.11764      0.98556      2.87106      2.08415
1.44225      1.26526      0.38686      0.20332
  3602847.54 |       2.93347      2.90085      2.99514      2.05973      1.60692
1.41350      1.14477      0.86332      0.16252
  3602597.54 |       2.00995      2.00211      1.94108      1.61401      1.40137
1.18523      1.00661      0.61735      0.12532
  3602347.54 |       1.52085      1.50584      1.41449      1.31028      1.21612
0.98024      0.86481      0.79055      0.57843
  3602097.54 |       1.16003      1.17600      1.10469      1.06970      1.01240
0.89799      0.81436      0.67036      0.58834
```

```
  3601847.54 |       0.92621      0.94366      0.93196      0.88688      0.83606
0.76320      0.71938      0.65429      0.53727
  3601597.54 |       0.76799      0.80397      0.78094      0.74780      0.69424
0.66168      0.61882      0.59158      0.48562
  3601347.54 |       0.64803      0.68395      0.66591      0.64353      0.58264
0.57581      0.55723      0.50862      0.42498
  3601097.54 |       0.56092      0.58158      0.57503      0.55667      0.51789
0.50400      0.48921      0.42522      0.42536

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 314
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17     ***
                                 INCLUDING SOURCE(S):     TP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00840      0.00752
  3605847.54 |       0.00925      0.00823
  3605597.54 |       0.01051      0.00947
  3605347.54 |       0.01350      0.01085
  3605097.54 |       0.01350      0.01286
  3604847.54 |       0.01853      0.01941
  3604597.54 |       0.03507      0.01950
  3604347.54 |       0.02411      0.02065
  3604097.54 |       0.02864      0.02463
  3603847.54 |       0.04787      0.04245
  3603597.54 |       0.10348      0.07184
  3603347.54 |       0.11450      0.09126
  3603097.54 |       0.13719      0.10514
  3602847.54 |       0.11459      0.12335
  3602597.54 |       0.11554      0.14696
  3602347.54 |       0.33960      0.41215
  3602097.54 |       0.53337      0.48330
  3601847.54 |       0.46639      0.42251
  3601597.54 |       0.45527      0.38004
  3601347.54 |       0.39571      0.37370
  3601097.54 |       0.35665      0.34990

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 315
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17     ***
                                 INCLUDING SOURCE(S):     TP17        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.03103                      507708.67
3603932.32        3.40680
         506203.59    3603369.23        0.49495                      507919.87
3604794.52        1.80262
         507037.89    3604916.08        1.79972

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 316
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP18     ***
                                 INCLUDING SOURCE(S):     TP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26258      0.29589      0.33548      0.38743      0.42062
0.49242      0.53089      0.53369      0.49759
  3605847.54 |       0.25777      0.29384      0.33387      0.39855      0.46257
0.52346      0.58052      0.63739      0.61375
  3605597.54 |       0.24785      0.28015      0.33306      0.39627      0.46038
0.53326      0.61598      0.70922      0.79100
  3605347.54 |       0.27680      0.28602      0.30395      0.33968      0.42517
0.50889      0.60241      0.72304      0.84704
  3605097.54 |       0.27683      0.30693      0.33832      0.34601      0.38131
0.44361      0.56946      0.68235      0.82684
  3604847.54 |       0.26438      0.29344      0.31871      0.35498      0.42749
0.43435      0.49404      0.63330      0.75999
  3604597.54 |       0.24798      0.27423      0.30808      0.35789      0.42487
0.43883      0.51462      0.55782      0.68977
  3604347.54 |       0.23426      0.25674      0.28755      0.32751      0.38082
0.44456      0.52107      0.59500      0.61990
  3604097.54 |       0.21865      0.24731      0.27093      0.30326      0.34540
0.39902      0.48464      0.55920      0.59895
  3603847.54 |       0.20237      0.22562      0.25879      0.28552      0.32845
0.38007      0.42912      0.47456      0.55846
  3603597.54 |       0.18882      0.20698      0.23441      0.26161      0.28818
0.33071      0.36869      0.41579      0.48877
  3603347.54 |       0.17827      0.19690      0.21896      0.24102      0.26813
0.30090      0.34115      0.39103      0.46763
  3603097.54 |       0.17116      0.18680      0.20453      0.23425      0.25398
0.28166      0.32899      0.37256      0.44992
```

```
  3602847.54 |       0.16451      0.17995      0.20171      0.22071      0.24446
0.27387      0.32154      0.36825      0.44383
  3602597.54 |       0.16071      0.17595      0.19669      0.21773      0.24308
0.27494      0.31965      0.36542      0.42919
  3602347.54 |       0.15884      0.17383      0.19125      0.21158      0.24029
0.27571      0.31163      0.34550      0.37860
  3602097.54 |       0.15720      0.17252      0.19102      0.21080      0.23489
0.25618      0.27782      0.30373      0.32618
  3601847.54 |       0.15692      0.17132      0.18542      0.20029      0.21683
0.23001      0.24786      0.26998      0.30226
  3601597.54 |       0.15382      0.16458      0.17384      0.18365      0.19401
0.20864      0.22686      0.25293      0.28786
  3601347.54 |       0.14600      0.15265      0.15971      0.16832      0.18132
0.19697      0.21712      0.24357      0.27427
  3601097.54 |       0.13548      0.14131      0.14951      0.16175      0.17480
0.19204      0.21171      0.23843      0.26686

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 317
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP18     ***
                                INCLUDING SOURCE(S):     TP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.50701      0.52656      0.50865      0.53991      0.46300
0.33598      0.15830      0.13653      0.04634
  3605847.54 |       0.60266      0.61463      0.65492      0.65444      0.55695
0.39816      0.31367      0.33594      0.12585
  3605597.54 |       0.76282      0.75162      0.75891      0.79396      0.85811
0.53199      0.35493      0.59029      0.55625
  3605347.54 |       0.97039      1.05505      0.97375      0.95866      0.92734
0.84023      0.74605      0.71116      0.21664
  3605097.54 |       1.00415      1.21220      1.41772      1.52552      1.40748
1.36129      1.20174      0.67700      0.08745
  3604847.54 |       0.95381      1.21126      1.57251      1.98902      2.32724
2.44948      1.86642      1.07767      0.21375
  3604597.54 |       0.87185      1.13326      1.48104      2.02917      2.86658
3.79311      3.95010      1.34189      0.25284
  3604347.54 |       0.80375      0.99197      1.25497      1.75840      2.66238
4.11986      6.38559      7.25708      2.28926
  3604097.54 |       0.67693      0.87391      1.17080      1.60424      2.14624
3.33734      6.32302     13.23267     21.18974
  3603847.54 |       0.65065      0.73724      0.94146      1.19548      1.71157
2.58768      4.42340      8.42951     31.01139
  3603597.54 |       0.60763      0.71742      0.86900      1.12286      1.43692
2.07195      3.47705      5.77818     13.96642
  3603347.54 |       0.55862      0.67903      0.80408      1.05870      1.46184
1.82516      2.51585      3.89090      7.57099
  3603097.54 |       0.54251      0.65822      0.80091      0.97249      1.15837
1.41448      1.99595      2.89398      4.16533
```

```
  3602847.54 |       0.53556      0.63487      0.70850      0.80733      0.95946
1.20961      1.63912      2.15873      2.60921
  3602597.54 |       0.49226      0.51876      0.59739      0.71959      0.85511
1.06862      1.34060      1.59966      1.88548
  3602347.54 |       0.40482      0.45676      0.53649      0.64639      0.77753
0.90810      1.07987      1.23951      1.40257
  3602097.54 |       0.36354      0.41441      0.49627      0.58044      0.67852
0.77818      0.89575      0.99183      1.08611
  3601847.54 |       0.34273      0.39492      0.46589      0.52460      0.59164
0.67233      0.75595      0.81429      0.88421
  3601597.54 |       0.32642      0.37500      0.42664      0.47174      0.52528
0.58761      0.64362      0.69304      0.73062
  3601347.54 |       0.31114      0.35207      0.39010      0.43110      0.47656
0.51659      0.56117      0.59230      0.62740
  3601097.54 |       0.29792      0.32858      0.35962      0.39439      0.43056
0.46013      0.48671      0.51949      0.54891

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 318
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP18     ***
                                INCLUDING SOURCE(S):     TP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03356      0.03537      0.02121      0.03811      0.01955
0.01306      0.01139      0.01093      0.00938
  3605847.54 |       0.10562      0.14487      0.03124      0.15604      0.02656
0.01998      0.01444      0.01306      0.01076
  3605597.54 |       0.56900      0.23540      0.15778      0.15394      0.10258
0.05523      0.01897      0.01296      0.01150
  3605347.54 |       0.12793      0.31414      0.23323      0.22302      0.23461
0.03416      0.02184      0.01550      0.01520
  3605097.54 |       0.06526      0.07093      0.05259      0.03616      0.04486
0.10736      0.02630      0.02150      0.01584
  3604847.54 |       0.08555      0.05046      0.04313      0.03458      0.03189
0.03023      0.03795      0.03334      0.02428
  3604597.54 |       0.13991      0.08814      0.05745      0.04584      0.03426
0.02838      0.03086      0.03249      0.04022
  3604347.54 |       0.50829      0.24115      0.11786      0.10000      0.05294
0.04083      0.03160      0.02949      0.02949
  3604097.54 |      13.39903      2.33371      0.50099      0.20008      0.11885
0.06220      0.04722      0.04236      0.03460
  3603847.54 |     448.31416     10.01977      2.94786      1.13520      0.34697
0.16703      0.11078      0.09281      0.05916
  3603597.54 |      13.44892      2.30450      1.50319      1.20002      0.82152
0.53635      0.33781      0.26275      0.14262
  3603347.54 |      11.08429      2.12016      0.52345      0.84353      1.91885
0.67294      1.11732      0.57276      0.22976
  3603097.54 |       5.74408      5.12195      0.97330      2.85981      2.08067
1.43692      1.26143      0.38525      0.20288
```

```
  3602847.54 |       2.94326      2.90372      2.99364      2.05663      1.60461
1.41026      1.14389      0.86102      0.16251
  3602597.54 |       2.01550      2.00390      1.94265      1.61392      1.39970
1.18388      1.00549      0.61357      0.12521
  3602347.54 |       1.52475      1.50732      1.41529      1.31127      1.21571
0.97919      0.86407      0.78952      0.57592
  3602097.54 |       1.16256      1.17721      1.10530      1.07032      1.01301
0.89749      0.81164      0.66818      0.58804
  3601847.54 |       0.92800      0.94461      0.93266      0.88737      0.83668
0.76324      0.71900      0.65258      0.53697
  3601597.54 |       0.76938      0.80493      0.78153      0.74829      0.69456
0.66209      0.61869      0.59128      0.48533
  3601347.54 |       0.64913      0.68478      0.66642      0.64400      0.58280
0.57619      0.55747      0.50845      0.42469
  3601097.54 |       0.56183      0.58225      0.57548      0.55707      0.51812
0.50422      0.48955      0.42514      0.42521

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 319
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP18     ***
                                INCLUDING SOURCE(S):     TP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00839      0.00751
  3605847.54 |       0.00924      0.00822
  3605597.54 |       0.01050      0.00946
  3605347.54 |       0.01347      0.01084
  3605097.54 |       0.01348      0.01284
  3604847.54 |       0.01850      0.01937
  3604597.54 |       0.03494      0.01945
  3604347.54 |       0.02404      0.02060
  3604097.54 |       0.02856      0.02457
  3603847.54 |       0.04765      0.04225
  3603597.54 |       0.10296      0.07152
  3603347.54 |       0.11412      0.09095
  3603097.54 |       0.13691      0.10492
  3602847.54 |       0.11461      0.12321
  3602597.54 |       0.11555      0.14677
  3602347.54 |       0.33753      0.41065
  3602097.54 |       0.53304      0.48298
  3601847.54 |       0.46620      0.42235
  3601597.54 |       0.45505      0.37990
  3601347.54 |       0.39549      0.37355
  3601097.54 |       0.35643      0.34975

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 320
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP18     ***
                                INCLUDING SOURCE(S):     TP18        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.39264                     507708.67
3603932.32        3.43734
         506203.59    3603369.23        0.49648                     507919.87
3604794.52        1.77416
         507037.89    3604916.08        1.80428

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 321
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP19     ***
                                INCLUDING SOURCE(S):     TP19        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26107      0.29361      0.33167      0.37993      0.41184
0.47484      0.50897      0.51214      0.48209
  3605847.54 |       0.25546      0.29064      0.32978      0.39017      0.45002
0.50650      0.55853      0.60885      0.59166
  3605597.54 |       0.24526      0.27688      0.32700      0.38710      0.44850
0.51758      0.59457      0.67898      0.75129
  3605347.54 |       0.26987      0.28053      0.30002      0.33592      0.41535
0.49530      0.58449      0.69707      0.81031
  3605097.54 |       0.27051      0.29924      0.32931      0.33979      0.37555
0.43579      0.55234      0.66083      0.79785
  3604847.54 |       0.25947      0.28762      0.31263      0.34785      0.41535
0.42689      0.48567      0.61282      0.73459
  3604597.54 |       0.24353      0.26929      0.30229      0.35022      0.41490
0.43048      0.50280      0.55040      0.67321
  3604347.54 |       0.23007      0.25217      0.28212      0.32074      0.37210
0.43376      0.50781      0.57930      0.61431
  3604097.54 |       0.21545      0.24309      0.26634      0.29784      0.33861
0.39029      0.47292      0.54456      0.58721
```

```
  3603847.54 |       0.19992      0.22255      0.25462      0.28085      0.32257
0.37299      0.42058      0.46551      0.54703
  3603597.54 |       0.18616      0.20392      0.23034      0.25675      0.28277
0.32376      0.36091      0.40718      0.47736
  3603347.54 |       0.17532      0.19336      0.21470      0.23624      0.26260
0.29440      0.33332      0.38135      0.45395
  3603097.54 |       0.16834      0.18362      0.20092      0.22928      0.24859
0.27538      0.32003      0.36162      0.43414
  3602847.54 |       0.16168      0.17657      0.19730      0.21561      0.23845
0.26668      0.31160      0.35597      0.42725
  3602597.54 |       0.15744      0.17213      0.19197      0.21223      0.23653
0.26689      0.30939      0.35414      0.41840
  3602347.54 |       0.15545      0.16996      0.18673      0.20629      0.23376
0.26823      0.30462      0.34036      0.37490
  3602097.54 |       0.15375      0.16849      0.18640      0.20603      0.23036
0.25276      0.27537      0.30084      0.32103
  3601847.54 |       0.15345      0.16778      0.18231      0.19791      0.21503
0.22839      0.24515      0.26528      0.29524
  3601597.54 |       0.15136      0.16263      0.17253      0.18259      0.19255
0.20603      0.22281      0.24737      0.28070
  3601347.54 |       0.14481      0.15178      0.15874      0.16678      0.17878
0.19339      0.21258      0.23797      0.26765
  3601097.54 |       0.13473      0.14027      0.14786      0.15930      0.17162
0.18814      0.20710      0.23290      0.26076

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 322
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP19     ***
                                INCLUDING SOURCE(S):     TP19        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48878      0.50332      0.48481      0.51579      0.44567
0.35043      0.19354      0.16323      0.05018
  3605847.54 |       0.58210      0.59018      0.61997      0.61430      0.59632
0.41673      0.34506      0.37185      0.15437
  3605597.54 |       0.73188      0.72275      0.72595      0.74884      0.82373
0.56187      0.40238      0.56009      0.52414
  3605347.54 |       0.91949      0.99214      0.93014      0.91410      0.88135
0.79038      0.69551      0.66283      0.27258
  3605097.54 |       0.96194      1.14681      1.32041      1.40361      1.30631
1.25155      1.09919      0.74663      0.08950
  3604847.54 |       0.91874      1.16000      1.48372      1.83544      2.10413
2.22120      1.91343      1.17401      0.26020
  3604597.54 |       0.84135      1.08420      1.41201      1.91459      2.63141
3.39712      3.51924      1.74450      0.26458
  3604347.54 |       0.78530      0.96644      1.21819      1.67613      2.49630
3.78279      5.50114      5.92097      2.86941
  3604097.54 |       0.67119      0.85840      1.13757      1.54550      2.07490
3.16825      5.75151     11.31639     14.93503
```

```
  3603847.54 |       0.63828      0.73233      0.93098      1.18827      1.67889
2.51281      4.23413      8.25408     29.92116
  3603597.54 |       0.59012      0.69553      0.84120      1.08002      1.38147
1.96412      3.19623      5.57361     13.18451
  3603347.54 |       0.54006      0.65308      0.77023      1.00356      1.37630
1.76293      2.45773      3.74341      7.52026
  3603097.54 |       0.52109      0.62933      0.76510      0.94022      1.13896
1.37282      1.91062      2.86904      4.22959
  3602847.54 |       0.51597      0.61727      0.69688      0.79289      0.92592
1.16717      1.60774      2.15398      2.66695
  3602597.54 |       0.48531      0.51274      0.58447      0.69426      0.82462
1.04496      1.32509      1.61210      1.90871
  3602347.54 |       0.39943      0.44603      0.51939      0.62418      0.75714
0.89778      1.07544      1.25119      1.41881
  3602097.54 |       0.35499      0.40283      0.48105      0.56605      0.66827
0.77133      0.89512      1.00012      1.09891
  3601847.54 |       0.33364      0.38397      0.45381      0.51603      0.58556
0.66765      0.75619      0.81982      0.89170
  3601597.54 |       0.31796      0.36585      0.41868      0.46610      0.52016
0.58449      0.64403      0.69505      0.73603
  3601347.54 |       0.30388      0.34527      0.38468      0.42586      0.47145
0.51459      0.56046      0.59328      0.62966
  3601097.54 |       0.29204      0.32362      0.35508      0.38939      0.42631
0.45830      0.48615      0.51911      0.54910

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 323
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP19     ***
                                INCLUDING SOURCE(S):     TP19        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03447      0.03741      0.02186      0.04282      0.01996
0.01320      0.01133      0.01092      0.00943
  3605847.54 |       0.13197      0.17098      0.03277      0.17930      0.02736
0.02010      0.01457      0.01320      0.01088
  3605597.54 |       0.54446      0.26944      0.19328      0.18060      0.12537
0.06795      0.01945      0.01311      0.01154
  3605347.54 |       0.16233      0.36252      0.27890      0.25847      0.26915
0.03756      0.02317      0.01558      0.01513
  3605097.54 |       0.06523      0.07594      0.05310      0.03625      0.05003
0.13806      0.02723      0.02185      0.01604
  3604847.54 |       0.08418      0.04993      0.04367      0.03466      0.03322
0.03009      0.03958      0.03494      0.02485
  3604597.54 |       0.13623      0.08583      0.05725      0.04750      0.03382
0.02824      0.03032      0.03248      0.04165
  3604347.54 |       0.61220      0.23428      0.12715      0.10024      0.05086
0.03978      0.03125      0.02893      0.02850
  3604097.54 |       9.86609      3.36723      0.61090      0.19174      0.11181
0.05792      0.04471      0.04075      0.03349
```

```
  3603847.54 |     157.50958     11.27042      3.47443      1.26068      0.31483
0.15112      0.10181      0.08696      0.05554
  3603597.54 |      29.82068      3.35721      1.88083      1.34387      0.89680
0.57271      0.34782      0.26965      0.13985
  3603347.54 |      11.64958      3.17455      0.64419      1.06622      2.40240
0.80117      1.34026      0.68864      0.24209
  3603097.54 |       5.89207      5.35101      1.34522      3.04858      2.13812
1.63350      1.39738      0.45090      0.21658
  3602847.54 |       3.06306      3.02394      3.19637      2.10311      1.62037
1.45975      1.16672      0.95326      0.17879
  3602597.54 |       2.07979      2.08070      1.97974      1.65755      1.41271
1.18790      1.01371      0.71019      0.13742
  3602347.54 |       1.55309      1.55213      1.44892      1.33438      1.22679
0.98676      0.86462      0.80214      0.62749
  3602097.54 |       1.18323      1.20558      1.13180      1.08439      1.02243
0.90247      0.86455      0.71430      0.58738
  3601847.54 |       0.94214      0.96408      0.94648      0.89732      0.84383
0.77044      0.71966      0.69740      0.53606
  3601597.54 |       0.77793      0.81414      0.79079      0.75541      0.70119
0.66734      0.62170      0.59100      0.48532
  3601347.54 |       0.65459      0.68998      0.67263      0.64869      0.59002
0.57961      0.55964      0.50958      0.42782
  3601097.54 |       0.56460      0.58610      0.57971      0.56053      0.52274
0.50684      0.49131      0.43052      0.42542

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 324
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP19     ***
                                 INCLUDING SOURCE(S):     TP19        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00841      0.00756
  3605847.54 |       0.00929      0.00819
  3605597.54 |       0.01045      0.00947
  3605347.54 |       0.01365      0.01084
  3605097.54 |       0.01340      0.01261
  3604847.54 |       0.01816      0.01932
  3604597.54 |       0.03635      0.01947
  3604347.54 |       0.02314      0.01989
  3604097.54 |       0.02775      0.02400
  3603847.54 |       0.04512      0.04025
  3603597.54 |       0.10009      0.06906
  3603347.54 |       0.11503      0.09103
  3603097.54 |       0.14215      0.10741
  3602847.54 |       0.12224      0.13013
  3602597.54 |       0.12662      0.16286
  3602347.54 |       0.39946      0.45928
  3602097.54 |       0.53349      0.48635
  3601847.54 |       0.46553      0.42126
  3601597.54 |       0.45402      0.37975
  3601347.54 |       0.39582      0.37251
  3601097.54 |       0.35856      0.34887

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 325
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP19     ***
                                 INCLUDING SOURCE(S):     TP19        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       16.29573                      507708.67
3603932.32        3.30097
         506203.59    3603369.23        0.48161                      507919.87
3604794.52        1.93049
         507037.89    3604916.08        1.66962

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 326
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP2      ***
                                 INCLUDING SOURCE(S):     TP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26593      0.29769      0.33328      0.37547      0.40301
0.45207      0.47691      0.47634      0.45010
  3605847.54 |       0.25969      0.29500      0.33390      0.38920      0.44262
0.49065      0.53208      0.56877      0.55286
  3605597.54 |       0.24782      0.28046      0.32925      0.38730      0.44655
0.51074      0.57788      0.64548      0.69815
  3605347.54 |       0.26547      0.27934      0.30267      0.34151      0.41702
0.49532      0.58104      0.68214      0.77589
  3605097.54 |       0.26712      0.29459      0.32397      0.33960      0.37859
0.44070      0.55157      0.66028      0.79122
  3604847.54 |       0.25930      0.28695      0.31238      0.34707      0.40907
0.42857      0.48988      0.60981      0.73622
```

```
  3604597.54 |       0.24418      0.27052      0.30379      0.35068      0.41344
0.43382      0.50387      0.55914      0.67668
  3604347.54 |       0.23016      0.25288      0.28313      0.32184      0.37292
0.43471      0.50922      0.58301      0.63603
  3604097.54 |       0.21656      0.24370      0.26765      0.29951      0.34036
0.39200      0.47319      0.54615      0.60083
  3603847.54 |       0.20210      0.22481      0.25640      0.28341      0.32511
0.37588      0.42478      0.47399      0.55842
  3603597.54 |       0.18762      0.20568      0.23169      0.25827      0.28521
0.32607      0.36496      0.41383      0.48533
  3603347.54 |       0.17541      0.19328      0.21438      0.23615      0.26271
0.29477      0.33398      0.38239      0.45330
  3603097.54 |       0.16806      0.18343      0.20088      0.22825      0.24823
0.27532      0.31814      0.35946      0.42825
  3602847.54 |       0.16130      0.17599      0.19594      0.21406      0.23655
0.26430      0.30694      0.35032      0.41805
  3602597.54 |       0.15614      0.17048      0.18957      0.20944      0.23325
0.26278      0.30346      0.34795      0.41338
  3602347.54 |       0.15364      0.16794      0.18445      0.20365      0.23010
0.26376      0.30131      0.34092      0.38036
  3602097.54 |       0.15184      0.16620      0.18367      0.20343      0.22847
0.25322      0.27865      0.30555      0.32498
  3601847.54 |       0.15126      0.16571      0.18111      0.19821      0.21697
0.23180      0.24833      0.26686      0.29483
  3601597.54 |       0.15020      0.16252      0.17382      0.18496      0.19521
0.20781      0.22328      0.24661      0.27913
  3601347.54 |       0.14542      0.15329      0.16066      0.16841      0.17944
0.19310      0.21161      0.23657      0.26624
  3601097.54 |       0.13603      0.14154      0.14860      0.15920      0.17086
0.18692      0.20568      0.23120      0.25938

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 327
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP2      ***
                                  INCLUDING SOURCE(S):     TP2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.45282      0.45967      0.43404      0.44948      0.39610
0.38322      0.22646      0.18952      0.05702
  3605847.54 |       0.53976      0.54193      0.55570      0.53208      0.52023
0.46808      0.35659      0.42578      0.18764
  3605597.54 |       0.67990      0.66411      0.65996      0.66186      0.70305
0.60253      0.42977      0.49525      0.46526
  3605347.54 |       0.85652      0.90003      0.84423      0.82147      0.77296
0.66582      0.59883      0.57651      0.32469
  3605097.54 |       0.93495      1.07610      1.18552      1.21227      1.12768
1.03380      0.88296      0.75966      0.08913
  3604847.54 |       0.91999      1.14633      1.40746      1.63510      1.75199
1.78178      1.63254      1.28522      0.34914
```

```
  3604597.54 |       0.84012      1.08169      1.41260      1.86436      2.36083
2.72607      2.64186      1.69421      0.28412
  3604347.54 |       0.79906      0.98155      1.23988      1.69658      2.49784
3.56281      4.33604      3.96729      3.24931
  3604097.54 |       0.70159      0.89367      1.17681      1.59106      2.16600
3.29909      5.85214      9.26458      7.42318
  3603847.54 |       0.65744      0.77276      0.98574      1.28129      1.81371
2.75494      4.76625     10.22609     38.32985
  3603597.54 |       0.59624      0.70707      0.86222      1.10936      1.44639
2.06914      3.33443      6.26765     18.88604
  3603347.54 |       0.53824      0.64918      0.76965      0.99373      1.35025
1.81140      2.71879      4.25696      9.37945
  3603097.54 |       0.51147      0.61559      0.74964      0.93810      1.18624
1.46457      2.01434      3.23096      4.99995
  3602847.54 |       0.50428      0.60955      0.70718      0.82009      0.95014
1.20534      1.71172      2.38052      3.04659
  3602597.54 |       0.48745      0.52528      0.59617      0.69721      0.83478
1.08410      1.40852      1.76436      2.10165
  3602347.54 |       0.40730      0.45046      0.51950      0.62492      0.77021
0.93842      1.14211      1.35113      1.53707
  3602097.54 |       0.35626      0.40282      0.48059      0.57225      0.68669
0.80442      0.94485      1.06737      1.17836
  3601847.54 |       0.33234      0.38312      0.45475      0.52538      0.60358
0.69391      0.79241      0.86670      0.94454
  3601597.54 |       0.31660      0.36576      0.42237      0.47582      0.53477
0.60510      0.67088      0.72663      0.77401
  3601347.54 |       0.30313      0.34657      0.38945      0.43341      0.48208
0.53078      0.57940      0.61634      0.65552
  3601097.54 |       0.29195      0.32578      0.35928      0.39511      0.43467
0.47042      0.50096      0.53528      0.56670

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 328
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP2      ***
                                  INCLUDING SOURCE(S):     TP2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03546      0.04162      0.02180      0.05361      0.02000
0.01308      0.01102      0.01068      0.00930
  3605847.54 |       0.17119      0.20574      0.03452      0.21604      0.02819
0.02021      0.01440      0.01311      0.01081
  3605597.54 |       0.48855      0.32653      0.23478      0.21524      0.16129
0.09127      0.01952      0.01299      0.01138
  3605347.54 |       0.22320      0.60544      0.33830      0.30601      0.30680
0.04472      0.02394      0.01550      0.01470
  3605097.54 |       0.06192      0.08177      0.05284      0.03527      0.05877
0.19015      0.02865      0.02180      0.01579
  3604847.54 |       0.07758      0.04615      0.04141      0.03276      0.03306
0.02996      0.04348      0.03673      0.02562
```

```
  3604597.54 |       0.12222      0.07772      0.05245      0.04637      0.03174
0.02679      0.02920      0.03248      0.04459
  3604347.54 |       0.88811      0.21348      0.12792      0.09628      0.04617
0.03499      0.02883      0.02724      0.02664
  3604097.54 |       5.70194      4.72040      0.92159      0.17851      0.09533
0.04885      0.03786      0.03535      0.02989
  3603847.54 |      29.55436     10.47778      3.48247      1.47446      0.24068
0.11305      0.07958      0.07059      0.04636
  3603597.54 |     107.02593      7.31468      2.09675      1.32627      0.89244
0.54953      0.31433      0.24915      0.12040
  3603347.54 |      15.09792      5.92283      1.03363      1.66399      2.96991
1.03883      1.54066      0.87217      0.24985
  3603097.54 |       6.73480      5.78309      2.19370      3.04594      2.16724
1.92849      1.56904      0.58871      0.23156
  3602847.54 |       3.55400      3.33060      3.39407      2.10908      1.60162
1.46257      1.18385      1.10945      0.20858
  3602597.54 |       2.33627      2.27099      2.07528      1.72144      1.39260
1.15882      0.99365      0.81635      0.16726
  3602347.54 |       1.69235      1.66939      1.52596      1.39313      1.22518
0.97457      0.84560      0.79239      0.67305
  3602097.54 |       1.27579      1.28356      1.19181      1.11962      1.04192
0.89417      0.89947      0.76208      0.57540
  3601847.54 |       1.00547      1.01937      0.98335      0.92127      0.86533
0.77806      0.70707      0.70271      0.52559
  3601597.54 |       0.82132      0.84856      0.81703      0.77459      0.71756
0.68107      0.61995      0.57895      0.47716
  3601347.54 |       0.68568      0.71397      0.69170      0.66346      0.60483
0.59079      0.56340      0.50509      0.42641
  3601097.54 |       0.58651      0.60478      0.59406      0.57211      0.53369
0.51401      0.49816      0.43664      0.42051

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 329
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP2      ***
                                 INCLUDING SOURCE(S):     TP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00830      0.00744
  3605847.54 |       0.00919      0.00803
  3605597.54 |       0.01025      0.00927
  3605347.54 |       0.01348      0.01078
  3605097.54 |       0.01309      0.01202
  3604847.54 |       0.01713      0.01889
  3604597.54 |       0.03780      0.01917
  3604347.54 |       0.02118      0.01804
  3604097.54 |       0.02519      0.02211
  3603847.54 |       0.03848      0.03495
  3603597.54 |       0.08648      0.05967
  3603347.54 |       0.10723      0.08385
  3603097.54 |       0.14477      0.10628
  3602847.54 |       0.13438      0.13927
  3602597.54 |       0.15131      0.19308
  3602347.54 |       0.48874      0.52414
  3602097.54 |       0.52318      0.48334
  3601847.54 |       0.45787      0.41339
  3601597.54 |       0.44474      0.37500
  3601347.54 |       0.39046      0.36587
  3601097.54 |       0.35705      0.34258

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 330
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP2      ***
                                 INCLUDING SOURCE(S):     TP2         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       16.57895                     507708.67
3603932.32        3.59294
         506203.59    3603369.23        0.48128                     507919.87
3604794.52        1.73069
         507037.89    3604916.08        1.49133

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 331
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26215      0.29480      0.33289      0.38110      0.41270
0.47541      0.50903      0.51151      0.48079
  3605847.54 |       0.25652      0.29194      0.33130      0.39193      0.45184
0.50808      0.55959      0.60919      0.59092
  3605597.54 |       0.24610      0.27799      0.32852      0.38909      0.45088
0.52021      0.59712      0.68099      0.75226
```

```
  3605347.54 |       0.27073      0.28146      0.30113      0.33738      0.41751
0.49820      0.58804      0.70102      0.81386
  3605097.54 |       0.27151      0.30034      0.33054      0.34106      0.37709
0.43790      0.55564      0.66533      0.80350
  3604847.54 |       0.26059      0.28889      0.31401      0.34939      0.41726
0.42880      0.48799      0.61631      0.73962
  3604597.54 |       0.24456      0.27051      0.30375      0.35204      0.41721
0.43288      0.50570      0.55356      0.67729
  3604347.54 |       0.23099      0.25324      0.28340      0.32231      0.37410
0.43631      0.51109      0.58334      0.61876
  3604097.54 |       0.21633      0.24414      0.26756      0.29929      0.34037
0.39249      0.47585      0.54823      0.59140
  3603847.54 |       0.20075      0.22353      0.25583      0.28226      0.32432
0.37518      0.42323      0.46864      0.55106
  3603597.54 |       0.18688      0.20475      0.23135      0.25794      0.28415
0.32546      0.36293      0.40962      0.48048
  3603347.54 |       0.17593      0.19408      0.21555      0.23722      0.26376
0.29579      0.33501      0.38344      0.45669
  3603097.54 |       0.16891      0.18427      0.20167      0.23021      0.24964
0.27661      0.32157      0.36347      0.43660
  3602847.54 |       0.16221      0.17718      0.19802      0.21643      0.23940
0.26781      0.31303      0.35773      0.42959
  3602597.54 |       0.15793      0.17269      0.19263      0.21300      0.23745
0.26801      0.31079      0.35588      0.42064
  3602347.54 |       0.15593      0.17050      0.18736      0.20702      0.23465
0.26934      0.30597      0.34195      0.37674
  3602097.54 |       0.15421      0.16902      0.18702      0.20676      0.23122
0.25375      0.27649      0.30214      0.32253
  3601847.54 |       0.15390      0.16831      0.18291      0.19858      0.21578
0.22922      0.24610      0.26642      0.29666
  3601597.54 |       0.15180      0.16312      0.17306      0.18317      0.19319
0.20677      0.22369      0.24845      0.28206
  3601347.54 |       0.14521      0.15221      0.15921      0.16730      0.17938
0.19411      0.21344      0.23901      0.26892
  3601097.54 |       0.13508      0.14066      0.14830      0.15981      0.17221
0.18884      0.20793      0.23391      0.26195

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 332
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20     ***
                                INCLUDING SOURCE(S):     TP20        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48728      0.50168      0.48223      0.51160      0.44232
0.34841      0.19095      0.16131      0.04976
  3605847.54 |       0.58039      0.58812      0.61756      0.61023      0.59030
0.41313      0.34213      0.36775      0.15216
  3605597.54 |       0.73118      0.72046      0.72298      0.74506      0.81587
0.55289      0.39939      0.55746      0.52249
```

```
  3605347.54 |       0.92166      0.99199      0.92703      0.90956      0.87499
0.78101      0.69025      0.65953      0.26748
  3605097.54 |       0.96796      1.15150      1.32161      1.39962      1.29904
1.23977      1.08460      0.73837      0.08841
  3604847.54 |       0.92618      1.16984      1.49397      1.84083      2.09875
2.20571      1.87029      1.15512      0.25500
  3604597.54 |       0.84707      1.09318      1.42630      1.93501      2.64973
3.39174      3.48444      1.67497      0.25932
  3604347.54 |       0.79151      0.97453      1.22913      1.69391      2.53058
3.83647      5.51473      5.82919      2.78486
  3604097.54 |       0.67647      0.86614      1.14954      1.56452      2.10412
3.22100      5.87960     11.53291     14.37565
  3603847.54 |       0.64343      0.73884      0.94044      1.20232      1.70281
2.55782      4.33639      8.55735     32.19750
  3603597.54 |       0.59445      0.70113      0.84876      1.09116      1.39790
1.99239      3.25580      5.72341     13.83113
  3603347.54 |       0.54365      0.65788      0.77640      1.01283      1.39146
1.78576      2.49675      3.83045      7.71961
  3603097.54 |       0.52434      0.63369      0.77104      0.94844      1.15006
1.38872      1.93983      2.91799      4.29544
  3602847.54 |       0.51912      0.62143      0.70188      0.79913      0.93463
1.18052      1.62758      2.18146      2.69634
  3602597.54 |       0.48809      0.51580      0.58842      0.69984      0.83223
1.05518      1.33842      1.62752      1.92530
  3602347.54 |       0.40151      0.44867      0.52296      0.62904      0.76336
0.90506      1.08457      1.26057      1.42895
  3602097.54 |       0.35686      0.40523      0.48427      0.57003      0.67288
0.77687      0.90139      1.00639      1.10556
  3601847.54 |       0.33542      0.38623      0.45664      0.51916      0.58912
0.67193      0.76059      0.82430      0.89640
  3601597.54 |       0.31963      0.36788      0.42098      0.46858      0.52308
0.58776      0.64723      0.69845      0.73946
  3601347.54 |       0.30540      0.34700      0.38653      0.42797      0.47391
0.51706      0.56294      0.59589      0.63232
  3601097.54 |       0.29338      0.32505      0.35665      0.39123      0.42832
0.46023      0.48810      0.52120      0.55122

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 333
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20     ***
                                INCLUDING SOURCE(S):     TP20        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03427      0.03728      0.02168      0.04266      0.01989
0.01314      0.01130      0.01089      0.00940
  3605847.54 |       0.13073      0.17013      0.03255      0.17779      0.02723
0.02004      0.01445      0.01315      0.01084
  3605597.54 |       0.54262      0.26775      0.19120      0.17935      0.12461
0.06738      0.01935      0.01305      0.01150
```

```
  3605347.54 |       0.16031      0.35944      0.27572      0.25678      0.26744
0.03721      0.02301      0.01551      0.01508
  3605097.54 |       0.06469      0.07501      0.05278      0.03603      0.04941
0.13668      0.02709      0.02173      0.01597
  3604847.54 |       0.08334      0.04940      0.04322      0.03439      0.03290
0.02991      0.03934      0.03474      0.02473
  3604597.54 |       0.13456      0.08501      0.05665      0.04690      0.03355
0.02803      0.03011      0.03228      0.04137
  3604347.54 |       0.59624      0.23080      0.12450      0.09872      0.05033
0.03942      0.03101      0.02872      0.02829
  3604097.54 |       9.62752      3.23593      0.59797      0.18812      0.10998
0.05713      0.04418      0.04033      0.03316
  3603847.54 |     135.10205     10.51435      3.33637      1.22328      0.30590
0.14764      0.09988      0.08552      0.05478
  3603597.54 |      29.78690      3.43362      1.87109      1.31996      0.88150
0.56359      0.34231      0.26557      0.13782
  3603347.54 |      11.85234      3.12700      0.65159      1.07128      2.38712
0.79584      1.32787      0.68170      0.24003
  3603097.54 |       5.96618      5.35742      1.32131      3.02358      2.12934
1.62910      1.39259      0.44922      0.21570
  3602847.54 |       3.09126      3.02839      3.19847      2.09071      1.61147
1.45300      1.16452      0.95174      0.17922
  3602597.54 |       2.09543      2.08467      1.98099      1.65535      1.40574
1.18270      1.01002      0.70562      0.13771
  3602347.54 |       1.56303      1.55553      1.44977      1.33559      1.22366
0.98259      0.86151      0.79942      0.62399
  3602097.54 |       1.18979      1.20839      1.13279      1.08486      1.02268
0.89982      0.85989      0.71117      0.58589
  3601847.54 |       0.94677      0.96637      0.94754      0.89770      0.84459
0.76970      0.71767      0.69474      0.53465
  3601597.54 |       0.78137      0.81615      0.79170      0.75600      0.70143
0.66782      0.62065      0.58952      0.48400
  3601347.54 |       0.65722      0.69167      0.67344      0.64934      0.59010
0.58008      0.55964      0.50858      0.42677
  3601097.54 |       0.56669      0.58750      0.58044      0.56108      0.52299
0.50700      0.49175      0.43013      0.42458

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 334
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00839      0.00754
  3605847.54 |       0.00926      0.00817
  3605597.54 |       0.01042      0.00944
  3605347.54 |       0.01360      0.01080
  3605097.54 |       0.01335      0.01256
  3604847.54 |       0.01808      0.01922
  3604597.54 |       0.03612      0.01937
  3604347.54 |       0.02297      0.01976
  3604097.54 |       0.02754      0.02383
  3603847.54 |       0.04456      0.03981
  3603597.54 |       0.09875      0.06822
  3603347.54 |       0.11402      0.09022
  3603097.54 |       0.14149      0.10684
  3602847.54 |       0.12240      0.12989
  3602597.54 |       0.12713      0.16291
  3602347.54 |       0.39723      0.45844
  3602097.54 |       0.53217      0.48541
  3601847.54 |       0.46451      0.42035
  3601597.54 |       0.45297      0.37900
  3601347.54 |       0.39485      0.37174
  3601097.54 |       0.35777      0.34812

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 335
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       16.97837                      507708.67
3603932.32        3.36721
         506203.59    3603369.23        0.48463                      507919.87
3604794.52        1.87848
         507037.89    3604916.08        1.67377

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 336
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
  3606097.54 |       0.26517      0.29838      0.33722      0.38703      0.41823
0.48462      0.51893      0.51921      0.48343
  3605847.54 |       0.25997      0.29643      0.33669      0.40008      0.46210
0.51968      0.57202      0.62276      0.59786
  3605597.54 |       0.24906      0.28197      0.33504      0.39846      0.46253
0.53417      0.61340      0.69986      0.77260
  3605347.54 |       0.27615      0.28614      0.30528      0.34222      0.42744
0.51196      0.60549      0.72325      0.83970
  3605097.54 |       0.27712      0.30685      0.33791      0.34674      0.38299
0.44618      0.57195      0.68688      0.83147
  3604847.54 |       0.26591      0.29503      0.32045      0.35663      0.42802
0.43649      0.49679      0.63435      0.76381
  3604597.54 |       0.24941      0.27606      0.31037      0.36060      0.42824
0.44292      0.51864      0.56412      0.69444
  3604347.54 |       0.23544      0.25822      0.28935      0.32970      0.38361
0.44833      0.52625      0.60162      0.63183
  3604097.54 |       0.22024      0.24907      0.27306      0.30579      0.34839
0.40263      0.48953      0.56528      0.60769
  3603847.54 |       0.20420      0.22771      0.26123      0.28845      0.33207
0.38475      0.43477      0.48154      0.56755
  3603597.54 |       0.19009      0.20843      0.23601      0.26348      0.29042
0.33336      0.37198      0.42005      0.49405
  3603347.54 |       0.17894      0.19765      0.21981      0.24209      0.26945
0.30255      0.34318      0.39350      0.47043
  3603097.54 |       0.17176      0.18752      0.20537      0.23507      0.25494
0.28270      0.32978      0.37328      0.45025
  3602847.54 |       0.16494      0.18034      0.20196      0.22090      0.24459
0.27394      0.32129      0.36784      0.44328
  3602597.54 |       0.16070      0.17589      0.19653      0.21753      0.24280
0.27450      0.31911      0.36569      0.43214
  3602347.54 |       0.15869      0.17366      0.19102      0.21127      0.23992
0.27577      0.31311      0.34925      0.38424
  3602097.54 |       0.15695      0.17220      0.19073      0.21087      0.23577
0.25834      0.28117      0.30752      0.32921
  3601847.54 |       0.15666      0.17132      0.18600      0.20169      0.21901
0.23259      0.25022      0.27175      0.30361
  3601597.54 |       0.15418      0.16549      0.17534      0.18551      0.19584
0.21012      0.22794      0.25382      0.28879
  3601347.54 |       0.14704      0.15401      0.16113      0.16957      0.18226
0.19767      0.21774      0.24424      0.27514
  3601097.54 |       0.13659      0.14235      0.15034      0.16237      0.17527
0.19248      0.21219      0.23903      0.26780

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 337
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
  3606097.54 |       0.49094      0.50770      0.48642      0.51236      0.44227
0.33360      0.16468      0.14193      0.04657
  3605847.54 |       0.58381      0.59279      0.62696      0.61854      0.58296
0.39350      0.31652      0.33415      0.13138
  3605597.54 |       0.74178      0.72548      0.72850      0.75509      0.81060
0.51483      0.36424      0.56454      0.53301
  3605347.54 |       0.94994      1.01915      0.93553      0.91488      0.87691
0.77981      0.70093      0.67317      0.22506
  3605097.54 |       1.00264      1.19267      1.36761      1.44260      1.32266
1.25718      1.09593      0.67639      0.08441
  3604847.54 |       0.96135      1.21871      1.56083      1.92320      2.18255
2.26384      1.72602      1.05908      0.21559
  3604597.54 |       0.87503      1.13849      1.49484      2.04092      2.80377
3.54700      3.57613      1.31625      0.23819
  3604347.54 |       0.81574      1.00623      1.27187      1.77520      2.69591
4.13160      5.92404      6.11911      2.28277
  3604097.54 |       0.69161      0.89250      1.19600      1.64232      2.21076
3.43165      6.48162     12.90397     14.96242
  3603847.54 |       0.66311      0.75735      0.96925      1.24023      1.77934
2.71067      4.70067      9.41343     39.22847
  3603597.54 |       0.61440      0.72634      0.88144      1.14015      1.46382
2.10991      3.53462      6.20633     15.80270
  3603347.54 |       0.56183      0.68253      0.80753      1.06167      1.47104
1.87590      2.62541      4.09921      8.27025
  3603097.54 |       0.54261      0.65821      0.80324      0.98676      1.19113
1.44779      2.04809      3.04826      4.44538
  3602847.54 |       0.53663      0.64169      0.72256      0.82379      0.97213
1.23121      1.69080      2.25377      2.75052
  3602597.54 |       0.49995      0.52784      0.60537      0.72588      0.86464
1.09115      1.37987      1.66214      1.96260
  3602347.54 |       0.41015      0.46074      0.53988      0.65131      0.78834
0.92842      1.11006      1.28086      1.45099
  3602097.54 |       0.36575      0.41655      0.49924      0.58654      0.68961
0.79441      0.91834      1.02027      1.11906
  3601847.54 |       0.34410      0.39683      0.46934      0.53123      0.60135
0.68532      0.77274      0.83462      0.90699
  3601597.54 |       0.32768      0.37719      0.43066      0.47788      0.53326
0.59802      0.65633      0.70761      0.74731
  3601347.54 |       0.31257      0.35465      0.39410      0.43623      0.48300
0.52495      0.57077      0.60330      0.63953
  3601097.54 |       0.29963      0.33129      0.36318      0.39866      0.43593
0.46677      0.49432      0.52783      0.55797

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 338
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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  3606097.54 |       0.03323      0.03576      0.02097      0.03923      0.01937
0.01293      0.01122      0.01080      0.00931
  3605847.54 |       0.11188      0.15251      0.03120      0.16084      0.02641
0.01976      0.01428      0.01295      0.01066
  3605597.54 |       0.54849      0.24313      0.16650      0.16064      0.10870
0.05876      0.01884      0.01284      0.01137
  3605347.54 |       0.13476      0.32293      0.24255      0.23105      0.24256
0.03459      0.02210      0.01525      0.01495
  3605097.54 |       0.06294      0.06980      0.05134      0.03522      0.04534
0.11510      0.02584      0.02117      0.01564
  3604847.54 |       0.08140      0.04823      0.04172      0.03359      0.03158
0.02933      0.03753      0.03313      0.02402
  3604597.54 |       0.13086      0.08345      0.05501      0.04487      0.03302
0.02737      0.02965      0.03150      0.03939
  3604347.54 |       0.49258      0.22244      0.11424      0.09463      0.04954
0.03889      0.03052      0.02828      0.02799
  3604097.54 |      10.25613      2.40914      0.48626      0.17806      0.10690
0.05659      0.04381      0.03980      0.03282
  3603847.54 |     125.58558      7.91627      2.64986      1.02989      0.29216
0.14448      0.09815      0.08370      0.05412
  3603597.54 |      19.03808      3.07801      1.70586      1.20969      0.81062
0.52412      0.32359      0.25153      0.13356
  3603347.54 |      12.23475      2.43077      0.61066      0.96870      2.10968
0.71642      1.18332      0.60011      0.22888
  3603097.54 |       6.14629      5.35975      1.06673      2.90846      2.10653
1.52975      1.32007      0.40956      0.20741
  3602847.54 |       3.11443      3.01126      3.13727      2.06127      1.59937
1.42735      1.15829      0.90604      0.17267
  3602597.54 |       2.10988      2.07251      1.98583      1.64152      1.39594
1.17924      1.00547      0.64536      0.13223
  3602347.54 |       1.57942      1.55158      1.44616      1.33713      1.22053
0.97640      0.86038      0.79193      0.59119
  3602097.54 |       1.19952      1.20768      1.12919      1.08688      1.02541
0.89744      0.82621      0.68347      0.58624
  3601847.54 |       0.95387      0.96674      0.94897      0.89932      0.84815
0.76871      0.71737      0.66117      0.53483
  3601597.54 |       0.78776      0.82010      0.79364      0.75808      0.70271
0.66979      0.62002      0.58972      0.48342
  3601347.54 |       0.66273      0.69608      0.67564      0.65193      0.58956
0.58248      0.56129      0.50823      0.42464
  3601097.54 |       0.57197      0.59116      0.58271      0.56342      0.52362
0.50857      0.49418      0.42813      0.42452

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 339
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00831      0.00746
  3605847.54 |       0.00915      0.00812
  3605597.54 |       0.01035      0.00936
  3605347.54 |       0.01333      0.01070
  3605097.54 |       0.01320      0.01247
  3604847.54 |       0.01796      0.01899
  3604597.54 |       0.03440      0.01909
  3604347.54 |       0.02284      0.01967
  3604097.54 |       0.02726      0.02363
  3603847.54 |       0.04406      0.03941
  3603597.54 |       0.09640      0.06705
  3603347.54 |       0.11121      0.08812
  3603097.54 |       0.13776      0.10447
  3602847.54 |       0.11954      0.12623
  3602597.54 |       0.12289      0.15486
  3602347.54 |       0.35761      0.43146
  3602097.54 |       0.53185      0.48401
  3601847.54 |       0.46485      0.42086
  3601597.54 |       0.45339      0.37905
  3601347.54 |       0.39420      0.37220
  3601097.54 |       0.35628      0.34834

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 340
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       19.72236                     507708.67
3603932.32        3.60450
         506203.59    3603369.23        0.49964                     507919.87
3604794.52        1.66337
         507037.89    3604916.08        1.74453

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 341
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP22     ***
                                 INCLUDING SOURCE(S):     TP22        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

Y-COORD (METERS)	X-COORD (METERS) 504118.86	504368.86	504618.86	504868.86	505118.86	505368.86	505618.86	505868.86	506118.86
3606097.54	0.26753	0.30222	0.34394	0.39963	0.43531	0.51441	0.55703	0.56017	0.52012
3605847.54	0.26299	0.30026	0.34185	0.41063	0.47930	0.54547	0.60841	0.67193	0.64514
3605597.54	0.25354	0.28677	0.34206	0.40825	0.47571	0.55350	0.64337	0.74667	0.83898
3605347.54	0.28507	0.29417	0.31204	0.34862	0.43897	0.52683	0.62593	0.75635	0.89394
3605097.54	0.28385	0.31570	0.34903	0.35630	0.39291	0.45826	0.59230	0.71116	0.86583
3604847.54	0.26969	0.29986	0.32612	0.36421	0.44154	0.44773	0.51095	0.66165	0.79623
3604597.54	0.25292	0.27984	0.31470	0.36631	0.43570	0.45003	0.53018	0.57432	0.71725
3604347.54	0.23874	0.26185	0.29368	0.33508	0.39042	0.45653	0.53600	0.61337	0.63532
3604097.54	0.22179	0.25132	0.27552	0.30880	0.35236	0.40795	0.49655	0.57452	0.61504
3603847.54	0.20470	0.22847	0.26245	0.28979	0.33375	0.38650	0.43712	0.48399	0.57070
3603597.54	0.19171	0.21036	0.23872	0.26680	0.29424	0.33839	0.37781	0.42670	0.50316
3603347.54	0.18158	0.20079	0.22356	0.24630	0.27433	0.30836	0.35040	0.40294	0.48451
3603097.54	0.17420	0.19031	0.20868	0.23977	0.26053	0.28985	0.34037	0.38718	0.47059
3602847.54	0.16784	0.18406	0.20702	0.22711	0.25224	0.28342	0.33438	0.38454	0.46432
3602597.54	0.16475	0.18070	0.20247	0.22464	0.25155	0.28541	0.33203	0.37687	0.43581
3602347.54	0.16299	0.17873	0.19715	0.21856	0.24820	0.28318	0.31628	0.34640	0.37881
3602097.54	0.16163	0.17767	0.19654	0.21573	0.23817	0.25710	0.27757	0.30529	0.33261
3601847.54	0.16099	0.17493	0.18779	0.20108	0.21654	0.23016	0.25039	0.27595	0.31170
3601597.54	0.15573	0.16534	0.17364	0.18335	0.19481	0.21151	0.23202	0.26029	0.29755
3601347.54	0.14595	0.15229	0.15980	0.16962	0.18422	0.20142	0.22301	0.25104	0.28322
3601097.54	0.13530	0.14181	0.15108	0.16453	0.17864	0.19692	0.21770	0.24564	0.27443

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 342
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP22 ***
INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506368.86	506618.86	506868.86	507118.86	507368.86	507618.86	507868.86	508118.86	508368.86
3606097.54	0.53068	0.55268	0.53205	0.55842	0.47507	0.33799	0.14078	0.12221	0.04466
3605847.54	0.63332	0.64687	0.69267	0.68984	0.54961	0.39559	0.29424	0.32167	0.11261
3605597.54	0.80716	0.79540	0.80400	0.84412	0.85070	0.51368	0.33131	0.62077	0.59217
3605347.54	1.03442	1.13341	1.04030	1.02423	0.98667	0.88392	0.79369	0.75951	0.18590
3605097.54	1.06108	1.29846	1.54081	1.67333	1.53543	1.47761	1.28323	0.63486	0.08675
3604847.54	1.00312	1.28316	1.69275	2.18953	2.60523	2.72189	1.81211	1.04361	0.19514
3604597.54	0.91650	1.20241	1.58135	2.19412	3.19244	4.33935	4.49613	1.12984	0.25496
3604347.54	0.83190	1.03365	1.32117	1.88890	2.91778	4.64415	7.74404	9.14238	1.98833
3604097.54	0.69329	0.90185	1.21946	1.68700	2.27446	3.63296	7.29570	17.08250	33.41486
3603847.54	0.66570	0.75136	0.96446	1.22620	1.77783	2.72633	4.77316	9.38708	41.95648
3603597.54	0.62835	0.74520	0.90807	1.18622	1.53995	2.28352	3.89585	6.21529	15.35061
3603347.54	0.58258	0.71420	0.85461	1.13834	1.55896	1.87466	2.70484	4.21762	7.38958
3603097.54	0.57107	0.69573	0.83919	0.99219	1.17938	1.51236	2.14251	2.95811	4.02397
3602847.54	0.55526	0.64445	0.71160	0.82897	1.01858	1.28316	1.68836	2.15753	2.52255
3602597.54	0.49227	0.52309	0.61674	0.75818	0.90188	1.10124	1.36266	1.57770	1.83691
3602347.54	0.41087	0.47228	0.56170	0.67808	0.80271	0.92344	1.08464	1.21942	1.37013
3602097.54	0.37554	0.43146	0.51786	0.59892	0.69032	0.78779	0.89258	0.97655	1.06277
3601847.54	0.35546	0.41033	0.48080	0.53396	0.59924	0.67707	0.75063	0.80286	0.86795
3601597.54	0.33803	0.38654	0.43494	0.47751	0.53123	0.58863	0.63842	0.68502	0.71848
3601347.54	0.32031	0.35926	0.39494	0.43621	0.48094	0.51553	0.55717	0.58601	0.61879
3601097.54	0.30424	0.33287	0.36346	0.39897	0.43293	0.45844	0.48341	0.51469	0.54270

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 343
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP22 ***
INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	508618.86	508868.86	509118.86	509368.86	509618.86	509868.86	510118.86	510368.86	510618.86
3606097.54	0.03324	0.03494	0.02082	0.03699	0.01936	0.01306	0.01154	0.01096	0.00925
3605847.54	0.09251	0.13638	0.03117	0.14828	0.02628	0.02008	0.01434	0.01277	0.01058
3605597.54	0.59500	0.22225	0.14307	0.14537	0.10043	0.04604	0.01832	0.01268	0.01146
3605347.54	0.11194	0.28949	0.21503	0.21624	0.21015	0.03185	0.02030	0.01564	0.01522
3605097.54	0.06612	0.07007	0.05258	0.03660	0.04130	0.10052	0.02699	0.02174	0.01586
3604847.54	0.08659	0.05297	0.04341	0.03376	0.03044	0.03097	0.03844	0.03296	0.02461
3604597.54	0.14394	0.08991	0.05652	0.04442	0.03456	0.02973	0.03228	0.03356	0.04141
3604347.54	0.51350	0.22625	0.11855	0.10177	0.05640	0.04185	0.03242	0.03106	0.03160
3604097.54	17.20910	2.11575	0.58171	0.23201	0.13310	0.06828	0.05059	0.04478	0.03638
3603847.54	100.10552	9.21936	2.92375	1.17998	0.39535	0.18834	0.12315	0.10180	0.06427
3603597.54	8.59382	1.58992	1.09972	1.00666	0.73762	0.49944	0.32556	0.25730	0.14539
3603347.54	9.43224	1.61818	0.42669	0.68905	1.56926	0.58245	0.96494	0.51227	0.21804
3603097.54	5.20697	4.47294	0.78694	2.40081	1.88808	1.24930	1.11884	0.34376	0.18783
3602847.54	2.74883	2.64382	2.79415	1.88701	1.49365	1.29643	1.06808	0.77194	0.14745
3602597.54	1.91216	1.85535	1.81117	1.50256	1.31095	1.11586	0.94954	0.54527	0.11564
3602347.54	1.46740	1.41635	1.33051	1.24062	1.14847	0.92821	0.82420	0.74740	0.52787
3602097.54	1.12466	1.11786	1.04680	1.01897	0.96740	0.85525	0.74714	0.61663	0.56700
3601847.54	0.90209	0.90393	0.89219	0.84925	0.80411	0.73160	0.68995	0.60999	0.51898
3601597.54	0.75153	0.77757	0.75168	0.72031	0.66871	0.63938	0.59591	0.56996	0.46971
3601347.54	0.63628	0.66521	0.64387	0.62303	0.56167	0.55847	0.54023	0.49175	0.41038
3601097.54	0.55260	0.56759	0.55818	0.54067	0.50182	0.48928	0.47652	0.41086	0.41274

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 344
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP22 ***
INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	510868.86	511118.86
3606097.54	0.00830	0.00746
3605847.54	0.00917	0.00822
3605597.54	0.01053	0.00935
3605347.54	0.01332	0.01098
3605097.54	0.01393	0.01346
3604847.54	0.01902	0.01949
3604597.54	0.03557	0.01988
3604347.54	0.02547	0.02152
3604097.54	0.02982	0.02557
3603847.54	0.05121	0.04510
3603597.54	0.10615	0.07428
3603347.54	0.11168	0.09006
3603097.54	0.12949	0.10078
3602847.54	0.10579	0.11551
3602597.54	0.10627	0.13476
3602347.54	0.30268	0.37444
3602097.54	0.51421	0.46525
3601847.54	0.45202	0.41044
3601597.54	0.44126	0.36956
3601347.54	0.38402	0.36378
3601097.54	0.34571	0.34091

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 345
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP22 ***
INCLUDING SOURCE(S): TP22 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TAC IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
508226.78	3603955.63	23.30906	507708.67	3603932.32	3.67072
506203.59	3603369.23	0.51496	507919.87	3604794.52	1.64329
507037.89	3604916.08	1.97758			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 346
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TP23 ***
INCLUDING SOURCE(S): TP23 ,

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26672      0.30133      0.34302      0.39881      0.43477
0.51431      0.55752      0.56130      0.52178
  3605847.54 |       0.26226      0.29933      0.34073      0.40935      0.47800
0.54443      0.60795      0.67230      0.64641
  3605597.54 |       0.25301      0.28605      0.34104      0.40686      0.47399
0.55157      0.64154      0.74544      0.83896
  3605347.54 |       0.28453      0.29358      0.31133      0.34768      0.43755
0.52481      0.62333      0.75336      0.89135
  3605097.54 |       0.28312      0.31492      0.34818      0.35544      0.39190
0.45690      0.59016      0.70802      0.86158
  3604847.54 |       0.26888      0.29892      0.32507      0.36304      0.44011
0.44630      0.50930      0.65937      0.79294
  3604597.54 |       0.25221      0.27899      0.31366      0.36499      0.43399
0.44819      0.52791      0.57176      0.71408
  3604347.54 |       0.23808      0.26109      0.29277      0.33396      0.38900
0.45470      0.53363      0.61040      0.63188
  3604097.54 |       0.22113      0.25052      0.27460      0.30770      0.35102
0.40628      0.49431      0.57172      0.61182
  3603847.54 |       0.20409      0.22775      0.26157      0.28875      0.33245
0.38488      0.43514      0.48165      0.56767
  3603597.54 |       0.19122      0.20979      0.23803      0.26599      0.29330
0.33722      0.37642      0.42500      0.50097
  3603347.54 |       0.18117      0.20030      0.22298      0.24562      0.27352
0.30738      0.34922      0.40150      0.48264
  3603097.54 |       0.17381      0.18987      0.20816      0.23914      0.25984
0.28904      0.33937      0.38597      0.46898
  3602847.54 |       0.16749      0.18368      0.20657      0.22660      0.25164
0.28270      0.33346      0.38340      0.46273
  3602597.54 |       0.16445      0.18035      0.20206      0.22415      0.25097
0.28471      0.33110      0.37564      0.43411
  3602347.54 |       0.16270      0.17839      0.19676      0.21810      0.24762
0.28241      0.31527      0.34517      0.37738
  3602097.54 |       0.16135      0.17734      0.19615      0.21523      0.23753
0.25634      0.27670      0.30430      0.33150
  3601847.54 |       0.16070      0.17457      0.18736      0.20057      0.21595
0.22952      0.24967      0.27513      0.31070
  3601597.54 |       0.15542      0.16497      0.17323      0.18290      0.19432
0.21097      0.23140      0.25954      0.29662
  3601347.54 |       0.14563      0.15195      0.15944      0.16923      0.18379
0.20093      0.22243      0.25034      0.28236
  3601097.54 |       0.13502      0.14152      0.15077      0.16417      0.17824
0.19644      0.21714      0.24496      0.27363

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 347
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23     ***
                                  INCLUDING SOURCE(S):     TP23        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.53263      0.55487      0.53506      0.56292      0.47844
0.33920      0.14173      0.12303      0.04484
  3605847.54 |       0.63552      0.64957      0.69594      0.69480      0.55667
0.39760      0.29643      0.32431      0.11309
  3605597.54 |       0.80859      0.79840      0.80791      0.84904      0.86128
0.51951      0.33320      0.62416      0.59459
  3605347.54 |       1.03338      1.13499      1.04451      1.03017      0.99426
0.89420      0.79982      0.76426      0.18757
  3605097.54 |       1.05633      1.29503      1.54157      1.68050      1.54607
1.49298      1.30080      0.64181      0.08756
  3604847.54 |       0.99790      1.27549      1.68407      2.18623      2.61630
2.74686      1.85230      1.05393      0.19771
  3604597.54 |       0.91235      1.19624      1.57107      2.17700      3.17450
4.35231      4.55354      1.15915      0.25944
  3604347.54 |       0.82697      1.02697      1.31206      1.87494      2.89126
4.59113      7.72248      9.33398      2.03889
  3604097.54 |       0.68919      0.89588      1.21015      1.67167      2.24954
3.58386      7.16911     16.69501     35.34768
  3603847.54 |       0.66182      0.74639      0.95724      1.21542      1.75938
2.69101      4.69018      9.14752     39.62563
  3603597.54 |       0.62529      0.74121      0.90269      1.17827      1.52827
2.26245      3.84254      6.09284     14.89866
  3603347.54 |       0.58015      0.71093      0.85036      1.13161      1.54669
1.85647      2.67292      4.15257      7.26970
  3603097.54 |       0.56891      0.69268      0.83468      0.98569      1.17079
1.49969      2.12083      2.92411      3.97951
  3602847.54 |       0.55295      0.64122      0.70772      0.82415      1.01190
1.27345      1.67412      2.13889      2.50121
  3602597.54 |       0.49010      0.52074      0.61377      0.75404      0.89642
1.09403      1.35296      1.56683      1.82436
  3602347.54 |       0.40929      0.47034      0.55914      0.67464      0.79839
0.91807      1.07816      1.21238      1.36226
  3602097.54 |       0.37419      0.42977      0.51561      0.59618      0.68698
0.78370      0.88809      0.97168      1.05749
  3601847.54 |       0.35422      0.40877      0.47887      0.53175      0.59657
0.67398      0.74737      0.79934      0.86417
  3601597.54 |       0.33690      0.38517      0.43335      0.47568      0.52906
0.58629      0.63595      0.68235      0.71568
  3601347.54 |       0.31929      0.35809      0.39361      0.43463      0.47916
0.51372      0.55522      0.58396      0.61662
  3601097.54 |       0.30333      0.33186      0.36230      0.39761      0.43150
0.45699      0.48185      0.51307      0.54096

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 348
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23     ***
                                  INCLUDING SOURCE(S):     TP23        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03338      0.03507      0.02090      0.03707      0.01942
0.01309      0.01156      0.01098      0.00927
  3605847.54 |       0.09311      0.13669      0.03127      0.14869      0.02636
0.02015      0.01438      0.01280      0.01060
  3605597.54 |       0.59786      0.22329      0.14357      0.14573      0.10050
0.04623      0.01838      0.01272      0.01149
  3605347.54 |       0.11281      0.29141      0.21590      0.21676      0.21121
0.03198      0.02038      0.01570      0.01527
  3605097.54 |       0.06666      0.07050      0.05292      0.03682      0.04152
0.10077      0.02710      0.02183      0.01592
  3604847.54 |       0.08755      0.05337      0.04373      0.03399      0.03063
0.03114      0.03862      0.03309      0.02472
  3604597.54 |       0.14624      0.09103      0.05710      0.04479      0.03481
0.02996      0.03250      0.03376      0.04166
  3604347.54 |       0.52414      0.23081      0.12023      0.10286      0.05700
0.04221      0.03269      0.03134      0.03186
  3604097.54 |      18.01909      2.16687      0.59522      0.23687      0.13541
0.06924      0.05120      0.04526      0.03673
  3603847.54 |      99.52806      9.52309      3.00525      1.20906      0.40522
0.19232      0.12535      0.10340      0.06514
  3603597.54 |       8.48693      1.56109      1.08102      1.00859      0.74270
0.50332      0.32825      0.25941      0.14686
  3603347.54 |       9.34481      1.62005      0.42172      0.68384      1.56544
0.58177      0.96592      0.51390      0.21895
  3603097.54 |       5.16578      4.45823      0.79052      2.41077      1.89221
1.24857      1.11757      0.34337      0.18778
  3602847.54 |       2.73131      2.63681      2.78975      1.89194      1.49799
1.29931      1.06904      0.77092      0.14662
  3602597.54 |       1.90160      1.85041      1.80783      1.50218      1.31417
1.11857      0.95137      0.54608      0.11530
  3602347.54 |       1.46038      1.41273      1.32839      1.23847      1.14955
0.93022      0.82588      0.74864      0.52902
  3602097.54 |       1.11983      1.11513      1.04500      1.01763      0.96650
0.85642      0.74875      0.61758      0.56779
  3601847.54 |       0.89860      0.90180      0.89066      0.84833      0.80294
0.73162      0.69093      0.61115      0.51977
  3601597.54 |       0.74889      0.77583      0.75048      0.71941      0.66802
0.63865      0.59631      0.57072      0.47042
  3601347.54 |       0.63424      0.66378      0.64291      0.62218      0.56122
0.55778      0.53996      0.49222      0.41088
  3601097.54 |       0.55097      0.56642      0.55738      0.53994      0.50136
0.48886      0.47596      0.41089      0.41316

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 349
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23     ***
                                 INCLUDING SOURCE(S):     TP23        ,
```

```
                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00832      0.00747
  3605847.54 |       0.00919      0.00824
  3605597.54 |       0.01056      0.00937
  3605347.54 |       0.01336      0.01101
  3605097.54 |       0.01399      0.01352
  3604847.54 |       0.01910      0.01956
  3604597.54 |       0.03576      0.01999
  3604347.54 |       0.02565      0.02165
  3604097.54 |       0.03008      0.02577
  3603847.54 |       0.05183      0.04559
  3603597.54 |       0.10722      0.07500
  3603347.54 |       0.11227      0.09057
  3603097.54 |       0.12963      0.10099
  3602847.54 |       0.10534      0.11533
  3602597.54 |       0.10572      0.13421
  3602347.54 |       0.30288      0.37446
  3602097.54 |       0.51493      0.46576
  3601847.54 |       0.45256      0.41094
  3601597.54 |       0.44186      0.36995
  3601347.54 |       0.38455      0.36422
  3601097.54 |       0.34609      0.34134

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 350
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23     ***
                                 INCLUDING SOURCE(S):     TP23        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       22.36098                     507708.67
3603932.32        3.61382
         506203.59    3603369.23        0.51289                     507919.87
3604794.52        1.68304
         507037.89    3604916.08        1.97555

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 351
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3      ***
                                  INCLUDING SOURCE(S):     TP3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26771      0.30055      0.33814      0.38474      0.41375
0.47252      0.50185      0.50021      0.46698
  3605847.54 |       0.26209      0.29861      0.33876      0.39946      0.45811
0.51121      0.55785      0.60128      0.57759
  3605597.54 |       0.25028      0.28368      0.33601      0.39847      0.46148
0.53054      0.60450      0.68196      0.74404
  3605347.54 |       0.27386      0.28537      0.30650      0.34494      0.42800
0.51183      0.60362      0.71545      0.82122
  3605097.54 |       0.27552      0.30457      0.33516      0.34649      0.38436
0.44833      0.57118      0.68638      0.82779
  3604847.54 |       0.26594      0.29482      0.32037      0.35624      0.42495
0.43727      0.49873      0.63191      0.76355
  3604597.54 |       0.24972      0.27666      0.31113      0.36105      0.42832
0.44462      0.51916      0.56883      0.69573
  3604347.54 |       0.23547      0.25852      0.28978      0.33019      0.38410
0.44916      0.52765      0.60381      0.64318
  3604097.54 |       0.22083      0.24948      0.27376      0.30666      0.34932
0.40359      0.49057      0.56680      0.61400
  3603847.54 |       0.20529      0.22887      0.26230      0.28986      0.33369
0.38692      0.43750      0.48583      0.57328
  3603597.54 |       0.19073      0.20920      0.23661      0.26415      0.29145
0.33437      0.37362      0.42274      0.49720
  3603347.54 |       0.17891      0.19752      0.21958      0.24195      0.26939
0.30258      0.34331      0.39372      0.46991
  3603097.54 |       0.17161      0.18740      0.20531      0.23457      0.25464
0.28243      0.32858      0.37174      0.44701
  3602847.54 |       0.16470      0.17997      0.20119      0.21997      0.24344
0.27251      0.31879      0.36473      0.43869
  3602597.54 |       0.15997      0.17498      0.19526      0.21606      0.24105
0.27229      0.31611      0.36282      0.43093
  3602347.54 |       0.15776      0.17262      0.18980      0.20984      0.23803
0.27373      0.31208      0.35049      0.38781
  3602097.54 |       0.15595      0.17100      0.18934      0.20966      0.23512
0.25900      0.28319      0.31004      0.33090
  3601847.54 |       0.15557      0.17037      0.18558      0.20209      0.22023
0.23437      0.25170      0.27234      0.30332
  3601597.54 |       0.15374      0.16562      0.17615      0.18677      0.19710
0.21088      0.22805      0.25341      0.28807
  3601347.54 |       0.14749      0.15485      0.16209      0.17031      0.18252
0.19748      0.21728      0.24360      0.27451
  3601097.54 |       0.13729      0.14297      0.15068      0.16232      0.17493
0.19195      0.21157      0.23832      0.26729

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 352
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3      ***
                                  INCLUDING SOURCE(S):     TP3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.47228      0.48453      0.45942      0.48006      0.41895
0.33934      0.18269      0.15527      0.04853
  3605847.54 |       0.56198      0.56765      0.59238      0.57465      0.55026
0.39654      0.32729      0.35312      0.14679
  3605597.54 |       0.71438      0.69509      0.69404      0.70811      0.75592
0.51000      0.38664      0.53306      0.50370
  3605347.54 |       0.91568      0.96861      0.89059      0.86660      0.81968
0.71405      0.65002      0.62706      0.25122
  3605097.54 |       0.98778      1.15361      1.29287      1.33597      1.22483
1.13664      0.98261      0.69071      0.08260
  3604847.54 |       0.96120      1.21075      1.51879      1.81210      1.98905
2.04014      1.59789      1.06638      0.23684
  3604597.54 |       0.87276      1.13513      1.49353      2.01306      2.65378
3.19416      3.12750      1.39813      0.23332
  3604347.54 |       0.82264      1.01359      1.28151      1.77947      2.69230
4.00157      5.20102      4.91448      2.38369
  3604097.54 |       0.70676      0.90947      1.21456      1.66469      2.25661
3.48705      6.50216     11.49549     10.01040
  3603847.54 |       0.67243      0.77772      0.99653      1.28764      1.84565
2.82816      4.96203     10.56354     47.48907
  3603597.54 |       0.61710      0.73080      0.88935      1.15067      1.48796
2.14460      3.55850      6.60764     18.48414
  3603347.54 |       0.56070      0.68020      0.80491      1.05364      1.45714
1.90565      2.74645      4.34200      9.13147
  3603097.54 |       0.53772      0.65129      0.79571      0.98855      1.21699
1.48141      2.09429      3.22928      4.78472
  3602847.54 |       0.53186      0.64101      0.73050      0.83659      0.97981
1.24840      1.74277      2.36102      2.92140
  3602597.54 |       0.50353      0.53446      0.61037      0.72670      0.86896
1.11086      1.41946      1.73361      2.04920
  3602347.54 |       0.41384      0.46233      0.53960      0.65164      0.79513
0.94800      1.14182      1.32734      1.50476
  3602097.54 |       0.36606      0.41630      0.49902      0.58978      0.69869
0.81010      0.94191      1.05148      1.15566
  3601847.54 |       0.34344      0.39643      0.47006      0.53598      0.60994
0.69783      0.78973      0.85641      0.93138
  3601597.54 |       0.32707      0.37732      0.43272      0.48262      0.54020
0.60784      0.66887      0.72225      0.76495
  3601347.54 |       0.31234      0.35551      0.39658      0.43989      0.48812
0.53264      0.57963      0.61403      0.65155
  3601097.54 |       0.29981      0.33256      0.36533      0.40149      0.44000
0.47252      0.50127      0.53539      0.56620

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 353
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3      ***
                                  INCLUDING SOURCE(S):     TP3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03332      0.03679      0.02093      0.04262      0.01948
0.01282      0.01108      0.01069      0.00923
  3605847.54 |       0.12820      0.16938      0.03165      0.17362      0.02660
0.01970      0.01419      0.01288      0.01063
  3605597.54 |       0.52261      0.26261      0.18632      0.17642      0.12429
0.06708      0.01889      0.01276      0.01126
  3605347.54 |       0.15533      0.34840      0.26616      0.25139      0.26131
0.03633      0.02246      0.01516      0.01471
  3605097.54 |       0.06124      0.07094      0.05069      0.03466      0.04774
0.13515      0.02634      0.02113      0.01558
  3604847.54 |       0.07773      0.04638      0.04067      0.03274      0.03154
0.02871      0.03847      0.03369      0.02403
  3604597.54 |       0.12296      0.07904      0.05291      0.04422      0.03190
0.02674      0.02871      0.03100      0.03968
  3604347.54 |       0.54076      0.20837      0.11341      0.09136      0.04663
0.03672      0.02951      0.02738      0.02677
  3604097.54 |       7.61707      2.76632      0.55013      0.16423      0.09747
0.05132      0.04028      0.03725      0.03107
  3603847.54 |      53.07474      7.15618      2.71750      1.05014      0.24959
0.12401      0.08640      0.07538      0.04926
  3603597.54 |      35.59486      4.55669      1.84222      1.20709      0.80595
0.51249      0.30820      0.24008      0.12427
  3603347.54 |      13.48456      3.09062      0.76539      1.18664      2.42560
0.79361      1.30406      0.66876      0.23077
  3603097.54 |       6.53274      5.56475      1.31181      2.96448      2.12987
1.66595      1.40528      0.45758      0.21385
  3602847.54 |       3.32669      3.13083      3.28553      2.05233      1.58439
1.44017      1.17147      0.96919      0.18614
  3602597.54 |       2.22410      2.15168      2.02419      1.66337      1.38155
1.16505      0.99867      0.70429      0.14453
  3602347.54 |       1.64121      1.60140      1.47757      1.36097      1.21595
0.96800      0.85061      0.79128      0.61732
  3602097.54 |       1.24150      1.24140      1.15480      1.10157      1.03217
0.89150      0.84904      0.70617      0.58047
  3601847.54 |       0.98291      0.99107      0.96461      0.90908      0.85729
0.77057      0.71066      0.68757      0.52952
  3601597.54 |       0.80768      0.83506      0.80486      0.76603      0.70973
0.67532      0.61812      0.58405      0.47895
  3601347.54 |       0.67706      0.70657      0.68382      0.65824      0.59590
0.58741      0.56234      0.50544      0.42345
  3601097.54 |       0.58207      0.59943      0.58890      0.56848      0.52825
0.51172      0.49712      0.43051      0.42177

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 354
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3      ***
                                  INCLUDING SOURCE(S):     TP3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00825      0.00742
  3605847.54 |       0.00909      0.00803
  3605597.54 |       0.01020      0.00927
  3605347.54 |       0.01333      0.01059
  3605097.54 |       0.01299      0.01217
  3604847.54 |       0.01741      0.01866
  3604597.54 |       0.03474      0.01886
  3604347.54 |       0.02167      0.01870
  3604097.54 |       0.02601      0.02267
  3603847.54 |       0.04059      0.03660
  3603597.54 |       0.08965      0.06234
  3603347.54 |       0.10776      0.08499
  3603097.54 |       0.13885      0.10394
  3602847.54 |       0.12537      0.13022
  3602597.54 |       0.13376      0.16721
  3602347.54 |       0.39969      0.46751
  3602097.54 |       0.52762      0.48382
  3601847.54 |       0.46084      0.41692
  3601597.54 |       0.44906      0.37645
  3601347.54 |       0.39120      0.36889
  3601097.54 |       0.35519      0.34511

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 355
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3      ***
                                  INCLUDING SOURCE(S):     TP3         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       20.04896                      507708.67
3603932.32        3.75033
         506203.59    3603369.23        0.49923                      507919.87
3604794.52        1.57724
         507037.89    3604916.08        1.64622
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 356
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4      ***
                                 INCLUDING SOURCE(S):     TP4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26835      0.30158      0.33997      0.38847      0.41795
0.48119      0.51249      0.51026      0.47349
  3605847.54 |       0.26310      0.30014      0.34080      0.40388      0.46476
0.51999      0.56887      0.61523      0.58752
  3605597.54 |       0.25131      0.28508      0.33905      0.40339      0.46798
0.53909      0.61595      0.69764      0.76383
  3605347.54 |       0.27746      0.28800      0.30812      0.34639      0.43296
0.51913      0.61348      0.72981      0.84082
  3605097.54 |       0.27905      0.30878      0.33995      0.34943      0.38678
0.45172      0.57999      0.69797      0.84387
  3604847.54 |       0.26879      0.29818      0.32381      0.36018      0.43171
0.44089      0.50242      0.64205      0.77623
  3604597.54 |       0.25220      0.27942      0.31441      0.36551      0.43430
0.44938      0.52586      0.57262      0.70408
  3604347.54 |       0.23783      0.26106      0.29279      0.33396      0.38903
0.45537      0.53541      0.61298      0.64614
  3604097.54 |       0.22274      0.25201      0.27649      0.30987      0.35333
0.40875      0.49770      0.57559      0.62049
  3603847.54 |       0.20678      0.23074      0.26489      0.29276      0.33740
0.39148      0.44295      0.49142      0.58036
  3603597.54 |       0.19222      0.21088      0.23890      0.26688      0.29443
0.33825      0.37786      0.42731      0.50328
  3603347.54 |       0.18050      0.19945      0.22192      0.24458      0.27243
0.30615      0.34760      0.39897      0.47741
  3603097.54 |       0.17317      0.18916      0.20729      0.23732      0.25753
0.28570      0.33328      0.37736      0.45528
  3602847.54 |       0.16621      0.18175      0.20351      0.22261      0.24652
0.27617      0.32394      0.37104      0.44744
  3602597.54 |       0.16166      0.17694      0.19772      0.21891      0.24442
0.27641      0.32148      0.36902      0.43774
  3602347.54 |       0.15951      0.17461      0.19210      0.21251      0.24141
0.27784      0.31636      0.35423      0.39091
  3602097.54 |       0.15771      0.17304      0.19173      0.21224      0.23781
0.26135      0.28518      0.31220      0.33392
  3601847.54 |       0.15737      0.17228      0.18740      0.20368      0.22165
0.23566      0.25344      0.27498      0.30708
  3601597.54 |       0.15518      0.16689      0.17716      0.18766      0.19813
0.21242      0.23026      0.25637      0.29184
  3601347.54 |       0.14836      0.15558      0.16285      0.17129      0.18397
0.19943      0.21970      0.24655      0.27798
  3601097.54 |       0.13791      0.14370      0.15167      0.16370      0.17667
0.19405      0.21402      0.24124      0.27054
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 357
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4      ***
                                 INCLUDING SOURCE(S):     TP4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48010      0.49507      0.47029      0.49112      0.42687
0.32889      0.16394      0.14060      0.04613
  3605847.54 |       0.57054      0.57802      0.60830      0.59306      0.55737
0.38564      0.30993      0.32660      0.13090
  3605597.54 |       0.72840      0.70709      0.70771      0.72818      0.77153
0.49336      0.36024      0.54705      0.51879
  3605347.54 |       0.94143      0.99869      0.90882      0.88431      0.83848
0.73487      0.67247      0.64892      0.22083
  3605097.54 |       1.01094      1.18768      1.34042      1.39153      1.26746
1.18310      1.02543      0.65287      0.08112
  3604847.54 |       0.97990      1.23944      1.56788      1.89039      2.09265
2.14012      1.56351      1.01978      0.20864
  3604597.54 |       0.88795      1.16007      1.53066      2.07947      2.78344
3.38359      3.31147      1.21993      0.22348
  3604347.54 |       0.83324      1.02786      1.30035      1.82036      2.78354
4.20482      5.62630      5.39706      2.11424
  3604097.54 |       0.70941      0.91758      1.23333      1.69995      2.29919
3.58190      6.83365     12.63041     11.51910
  3603847.54 |       0.67997      0.78064      1.00271      1.29179      1.86486
2.87322      5.08322     10.69057     50.23288
  3603597.54 |       0.62691      0.74274      0.90395      1.17312      1.51380
2.19313      3.69805      6.75624     18.70135
  3603347.54 |       0.57077      0.69410      0.82201      1.08203      1.50506
1.94623      2.77444      4.40074      9.12920
  3603097.54 |       0.54901      0.66661      0.81556      1.00949      1.23153
1.50038      2.13524      3.23545      4.74684
  3602847.54 |       0.54294      0.65272      0.73978      0.84583      0.99682
1.26875      1.75824      2.36203      2.89152
  3602597.54 |       0.50923      0.53899      0.61781      0.74026      0.88441
1.12298      1.42793      1.72719      2.04005
  3602347.54 |       0.41732      0.46819      0.54861      0.66323      0.80598
0.95364      1.14433      1.32230      1.49856
  3602097.54 |       0.37064      0.42229      0.50693      0.59732      0.70447
0.81403      0.94279      1.04840      1.15067
  3601847.54 |       0.34821      0.40210      0.47650      0.54075      0.61352
0.70064      0.79047      0.85466      0.92901
  3601597.54 |       0.33148      0.38216      0.43715      0.48598      0.54325
0.60994      0.66959      0.72235      0.76336
  3601347.54 |       0.31617      0.35927      0.39981      0.44310      0.49124
0.53427      0.58097      0.61450      0.65156
  3601097.54 |       0.30305      0.33548      0.36814      0.40454      0.44271
0.47415      0.50238      0.53654      0.56725
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 358
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4      ***
                                 INCLUDING SOURCE(S):     TP4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03274      0.03553      0.02058      0.03944      0.01914
0.01275      0.01110      0.01067      0.00922
  3605847.54 |       0.11210      0.15410      0.03076      0.16028      0.02609
0.01953      0.01409      0.01280      0.01055
  3605597.54 |       0.53390      0.24266      0.16680      0.16108      0.11013
0.05942      0.01863      0.01269      0.01124
  3605347.54 |       0.13412      0.31985      0.24099      0.23061      0.24170
0.03434      0.02191      0.01502      0.01472
  3605097.54 |       0.06088      0.06812      0.05006      0.03440      0.04480
0.11650      0.02539      0.02079      0.01542
  3604847.54 |       0.07779      0.04657      0.04025      0.03262      0.03096
0.02856      0.03689      0.03259      0.02361
  3604597.54 |       0.12328      0.07953      0.05269      0.04348      0.03193
0.02657      0.02871      0.03071      0.03841
  3604347.54 |       0.46950      0.20818      0.10887      0.08987      0.04713
0.03716      0.02960      0.02742      0.02695
  3604097.54 |       8.60971      2.27582      0.46448      0.16238      0.09862
0.05264      0.04121      0.03787      0.03144
  3603847.54 |      67.28089      6.35858      2.35814      0.93410      0.25571
0.12871      0.08917      0.07699      0.05044
  3603597.54 |      22.46598      3.79175      1.73096      1.16024      0.77452
0.49805      0.30467      0.23715      0.12522
  3603347.54 |      13.23839      2.48867      0.68702      1.05418      2.17437
0.72481      1.18893      0.60110      0.22447
  3603097.54 |       6.50591      5.52110      1.09400      2.89884      2.11632
1.57042      1.33954      0.41904      0.20755
  3602847.54 |       3.26287      3.08516      3.21292      2.04500      1.58707
1.42595      1.16627      0.92521      0.17822
  3602597.54 |       2.19165      2.12023      2.01778      1.65052      1.38435
1.17076      1.00071      0.65295      0.13720
  3602347.54 |       1.62872      1.58354      1.46688      1.35534      1.21785
0.96936      0.85495      0.78905      0.59211
  3602097.54 |       1.23235      1.23031      1.14538      1.09926      1.03245
0.89369      0.82506      0.68520      0.58349
  3601847.54 |       0.97685      0.98348      0.96110      0.90772      0.85709
0.77019      0.71392      0.66005      0.53218
  3601597.54 |       0.80441      0.83254      0.80288      0.76521      0.70886
0.67506      0.61914      0.58697      0.48077
  3601347.54 |       0.67524      0.70573      0.68282      0.65811      0.59402
0.58761      0.56334      0.50680      0.42319
  3601097.54 |       0.58159      0.59886      0.58848      0.56854      0.52744
0.51203      0.49783      0.42895      0.42315
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 359
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4      ***
                                 INCLUDING SOURCE(S):     TP4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00823      0.00739
  3605847.54 |       0.00905      0.00804
  3605597.54 |       0.01022      0.00926
  3605347.54 |       0.01327      0.01057
  3605097.54 |       0.01296      0.01220
  3604847.54 |       0.01751      0.01862
  3604597.54 |       0.03375      0.01877
  3604347.54 |       0.02197      0.01895
  3604097.54 |       0.02627      0.02287
  3603847.54 |       0.04141      0.03727
  3603597.54 |       0.09077      0.06330
  3603347.54 |       0.10764      0.08503
  3603097.54 |       0.13671      0.10304
  3602847.54 |       0.12202      0.12705
  3602597.54 |       0.12776      0.15872
  3602347.54 |       0.36348      0.44102
  3602097.54 |       0.52964      0.48379
  3601847.54 |       0.46296      0.41902
  3601597.54 |       0.45136      0.37777
  3601347.54 |       0.39231      0.37068
  3601097.54 |       0.35513      0.34670

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 360
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4      ***
                                 INCLUDING SOURCE(S):     TP4         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
```

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       21.60049                         507708.67
3603932.32        3.83446
         506203.59    3603369.23        0.50738                         507919.87
3604794.52        1.50261
         507037.89    3604916.08        1.71442

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 361
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP5      ***
                                  INCLUDING SOURCE(S):     TP5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26851      0.30184      0.34041      0.38934      0.41892
0.48318      0.51493      0.51257      0.47499
  3605847.54 |       0.26335      0.30051      0.34128      0.40491      0.46629
0.52201      0.57140      0.61843      0.58981
  3605597.54 |       0.25156      0.28541      0.33976      0.40451      0.46946
0.54104      0.61857      0.70122      0.76836
  3605347.54 |       0.27827      0.28861      0.30851      0.34675      0.43411
0.52079      0.61573      0.73307      0.84530
  3605097.54 |       0.27983      0.30973      0.34103      0.35012      0.38737
0.45254      0.58202      0.70062      0.84755
  3604847.54 |       0.26942      0.29894      0.32459      0.36109      0.43323
0.44175      0.50331      0.64441      0.77920
  3604597.54 |       0.25275      0.28004      0.31515      0.36650      0.43560
0.45047      0.52740      0.57353      0.70606
  3604347.54 |       0.23836      0.26163      0.29347      0.33481      0.39013
0.45674      0.53710      0.61503      0.64686
  3604097.54 |       0.22316      0.25257      0.27710      0.31059      0.35424
0.40990      0.49924      0.57751      0.62202
  3603847.54 |       0.20711      0.23116      0.26545      0.29340      0.33820
0.39245      0.44413      0.49267      0.58196
  3603597.54 |       0.19255      0.21127      0.23941      0.26749      0.29510
0.33912      0.37883      0.42837      0.50470
  3603347.54 |       0.18086      0.19988      0.22245      0.24517      0.27312
0.30696      0.34857      0.40017      0.47910
  3603097.54 |       0.17352      0.18955      0.20773      0.23794      0.25818
0.28645      0.33435      0.37865      0.45715
  3602847.54 |       0.16655      0.18215      0.20403      0.22321      0.24722
0.27701      0.32511      0.37248      0.44941
  3602597.54 |       0.16204      0.17738      0.19827      0.21956      0.24518
0.27734      0.32269      0.37040      0.43920
  3602347.54 |       0.15991      0.17506      0.19262      0.21312      0.24217
0.27875      0.31728      0.35500      0.39154
  3602097.54 |       0.15811      0.17351      0.19227      0.21282      0.23841
0.26185      0.28559      0.31265      0.33460
```

```
  3601847.54 |       0.15778      0.17271      0.18780      0.20402      0.22194
0.23594      0.25383      0.27557      0.30793
  3601597.54 |       0.15549      0.16716      0.17737      0.18785      0.19836
0.21277      0.23076      0.25704      0.29269
  3601347.54 |       0.14855      0.15574      0.16301      0.17151      0.18429
0.19986      0.22024      0.24722      0.27876
  3601097.54 |       0.13804      0.14385      0.15189      0.16401      0.17705
0.19452      0.21457      0.24190      0.27127

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 362
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP5      ***
                                  INCLUDING SOURCE(S):     TP5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48190      0.49749      0.47278      0.49345      0.42853
0.32723      0.15907      0.13750      0.04573
  3605847.54 |       0.57251      0.58041      0.61196      0.59720      0.55891
0.38340      0.30580      0.32231      0.12766
  3605597.54 |       0.73165      0.70986      0.71087      0.73281      0.77423
0.48959      0.35408      0.55004      0.52209
  3605347.54 |       0.94735      1.00566      0.91305      0.88842      0.84280
0.73964      0.67760      0.65387      0.21458
  3605097.54 |       1.01627      1.19555      1.35142      1.40444      1.27747
1.19391      1.03498      0.64349      0.08085
  3604847.54 |       0.98422      1.24605      1.57918      1.90835      2.11611
2.16151      1.55284      1.00808      0.20371
  3604597.54 |       0.89154      1.16587      1.53925      2.09474      2.81303
3.42475      3.35013      1.18076      0.22188
  3604347.54 |       0.83573      1.03125      1.30492      1.83027      2.80473
4.25227      5.72777      5.51216      2.04902
  3604097.54 |       0.71010      0.91957      1.23779      1.70821      2.30959
3.60558      6.91391     12.91832     11.90734
  3603847.54 |       0.68171      0.78139      1.00427      1.29296      1.86977
2.88475      5.11432     10.72794     50.90295
  3603597.54 |       0.62911      0.74548      0.90740      1.17843      1.52031
2.20561      3.73330      6.79257     18.79004
  3603347.54 |       0.57304      0.69723      0.82602      1.08863      1.51588
1.95561      2.78238      4.41714      9.13444
  3603097.54 |       0.55155      0.67005      0.82003      1.01410      1.23476
1.50545      2.14545      3.23796      4.74047
  3602847.54 |       0.54536      0.65516      0.74169      0.84790      1.00092
1.27372      1.76209      2.36279      2.88563
  3602597.54 |       0.51035      0.53996      0.61949      0.74336      0.88805
1.12585      1.43007      1.72601      2.03834
  3602347.54 |       0.41809      0.46953      0.55067      0.66590      0.80848
0.95502      1.14503      1.32132      1.49734
  3602097.54 |       0.37168      0.42367      0.50874      0.59905      0.70580
0.81500      0.94306      1.04780      1.14965
```

```
  3601847.54 |       0.34929      0.40340      0.47796      0.54183      0.61436
0.70131      0.79067      0.85431      0.92852
  3601597.54 |       0.33248      0.38325      0.43815      0.48674      0.54397
0.61043      0.66976      0.72239      0.76303
  3601347.54 |       0.31704      0.36011      0.40053      0.44383      0.49195
0.53464      0.58127      0.61461      0.65156
  3601097.54 |       0.30377      0.33612      0.36877      0.40523      0.44331
0.47451      0.50263      0.53678      0.56748

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 363
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP5      ***
                                  INCLUDING SOURCE(S):     TP5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03260      0.03531      0.02053      0.03886      0.01909
0.01274      0.01108      0.01067      0.00921
  3605847.54 |       0.10896      0.15084      0.03061      0.15754      0.02598
0.01951      0.01408      0.01279      0.01054
  3605597.54 |       0.53624      0.23841      0.16268      0.15782      0.10734
0.05793      0.01856      0.01267      0.01123
  3605347.54 |       0.13012      0.31391      0.23572      0.22617      0.23736
0.03398      0.02177      0.01501      0.01472
  3605097.54 |       0.06080      0.06737      0.04996      0.03437      0.04429
0.11284      0.02532      0.02077      0.01541
  3604847.54 |       0.07784      0.04653      0.04021      0.03260      0.03079
0.02855      0.03667      0.03241      0.02354
  3604597.54 |       0.12340      0.07965      0.05274      0.04333      0.03196
0.02658      0.02874      0.03065      0.03819
  3604347.54 |       0.45868      0.20828      0.10801      0.08971      0.04720
0.03730      0.02963      0.02744      0.02700
  3604097.54 |       8.83892      2.17451      0.45060      0.16252      0.09894
0.05296      0.04144      0.03796      0.03154
  3603847.54 |      68.68452      6.19221      2.29100      0.91539      0.25668
0.12986      0.08985      0.07746      0.05072
  3603597.54 |      20.43302      3.63949      1.70526      1.14991      0.76806
0.49513      0.30400      0.23661      0.12551
  3603347.54 |      13.17891      2.38247      0.67112      1.02777      2.11848
0.71146      1.16363      0.58791      0.22316
  3603097.54 |       6.49411      5.50570      1.05432      2.87948      2.11140
1.54829      1.32476      0.41155      0.20620
  3602847.54 |       3.24929      3.07530      3.19033      2.04310      1.58733
1.42166      1.16438      0.91483      0.17652
  3602597.54 |       2.18466      2.11335      2.01607      1.64755      1.38469
1.17154      1.00060      0.64143      0.13569
  3602347.54 |       1.62605      1.57959      1.46445      1.35399      1.21803
0.96952      0.85566      0.78811      0.58609
  3602097.54 |       1.23037      1.22784      1.14326      1.09863      1.03236
0.89401      0.81936      0.67996      0.58400
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  3601847.54 |       0.97553      0.98178      0.96026      0.90732      0.85695
0.77001      0.71447      0.65646      0.53265
  3601597.54 |       0.80370      0.83195      0.80239      0.76495      0.70860
0.67493      0.61928      0.58745      0.48111
  3601347.54 |       0.67484      0.70551      0.68255      0.65802      0.59356
0.58760      0.56349      0.50702      0.42309
  3601097.54 |       0.58148      0.59870      0.58834      0.56850      0.52721
0.51205      0.49793      0.42857      0.42340

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 364
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP5      ***
                                  INCLUDING SOURCE(S):     TP5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00823      0.00739
  3605847.54 |       0.00905      0.00804
  3605597.54 |       0.01023      0.00926
  3605347.54 |       0.01316      0.01057
  3605097.54 |       0.01297      0.01223
  3604847.54 |       0.01755      0.01862
  3604597.54 |       0.03349      0.01876
  3604347.54 |       0.02202      0.01902
  3604097.54 |       0.02634      0.02292
  3603847.54 |       0.04162      0.03743
  3603597.54 |       0.09096      0.06353
  3603347.54 |       0.10760      0.08509
  3603097.54 |       0.13623      0.10279
  3602847.54 |       0.12129      0.12637
  3602597.54 |       0.12645      0.15695
  3602347.54 |       0.35608      0.43499
  3602097.54 |       0.52991      0.48360
  3601847.54 |       0.46335      0.41940
  3601597.54 |       0.45176      0.37801
  3601347.54 |       0.39251      0.37101
  3601097.54 |       0.35508      0.34699

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 365
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP5      ***
                                  INCLUDING SOURCE(S):     TP5         ,
```

```
                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                           X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       22.00247                         507708.67
3603932.32        3.85564
         506203.59    3603369.23        0.50921                         507919.87
3604794.52        1.48198
         507037.89    3604916.08        1.73004

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 366
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                     *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP6      ***
                                  INCLUDING SOURCE(S):     TP6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26438      0.29732      0.33570      0.38441      0.41546
0.47923      0.51252      0.51335      0.47993
  3605847.54 |       0.25892      0.29499      0.33490      0.39682      0.45753
0.51393      0.56508      0.61426      0.59216
  3605597.54 |       0.24806      0.28064      0.33260      0.39478      0.45782
0.52820      0.60577      0.68990      0.76044
  3605347.54 |       0.27368      0.28417      0.30381      0.34070      0.42358
0.50652      0.59839      0.71348      0.82698
  3605097.54 |       0.27470      0.30397      0.33462      0.34446      0.38085
0.44319      0.56535      0.67831      0.82000
  3604847.54 |       0.26384      0.29261      0.31792      0.35375      0.42337
0.43360      0.49360      0.62678      0.75409
  3604597.54 |       0.24755      0.27396      0.30788      0.35732      0.42398
0.43924      0.51366      0.56073      0.68787
  3604347.54 |       0.23369      0.25630      0.28706      0.32686      0.37994
0.44374      0.52053      0.59476      0.62840
  3604097.54 |       0.21879      0.24720      0.27101      0.30337      0.34538
0.39879      0.48437      0.55885      0.60214
  3603847.54 |       0.20301      0.22624      0.25928      0.28623      0.32928
0.38136      0.43067      0.47708      0.56188
  3603597.54 |       0.18891      0.20709      0.23426      0.26139      0.28809
0.33038      0.36862      0.41628      0.48909
  3603347.54 |       0.17775      0.19622      0.21810      0.24015      0.26720
0.29989      0.33997      0.38955      0.46493
  3603097.54 |       0.17062      0.18622      0.20391      0.23308      0.25280
0.28025      0.32636      0.36916      0.44438
```

```
  3602847.54 |       0.16383      0.17904      0.20029      0.21899      0.24237
0.27131      0.31766      0.36339      0.43723
  3602597.54 |       0.15950      0.17449      0.19481      0.21553      0.24043
0.27161      0.31540      0.36143      0.42753
  3602347.54 |       0.15747      0.17226      0.18940      0.20938      0.23757
0.27296      0.31020      0.34662      0.38186
  3602097.54 |       0.15573      0.17077      0.18907      0.20909      0.23391
0.25666      0.27965      0.30578      0.32682
  3601847.54 |       0.15542      0.17001      0.18474      0.20054      0.21794
0.23153      0.24881      0.26973      0.30083
  3601597.54 |       0.15319      0.16459      0.17457      0.18478      0.19498
0.20891      0.22629      0.25165      0.28604
  3601347.54 |       0.14640      0.15343      0.16052      0.16878      0.18116
0.19624      0.21599      0.24209      0.27261
  3601097.54 |       0.13610      0.14178      0.14959      0.16136      0.17403
0.19098      0.21044      0.23692      0.26544

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 367
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                     *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP6      ***
                                  INCLUDING SOURCE(S):     TP6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48665      0.50183      0.48069      0.50729      0.43871
0.33937      0.17790      0.15138      0.04810
  3605847.54 |       0.57921      0.58712      0.61802      0.60864      0.58075
0.40117      0.32871      0.34852      0.14138
  3605597.54 |       0.73361      0.71899      0.72107      0.74403      0.80595
0.52845      0.38200      0.55714      0.52450
  3605347.54 |       0.93388      1.00099      0.92552      0.90543      0.86760
0.76989      0.68850      0.66073      0.24489
  3605097.54 |       0.98702      1.17098      1.33860      1.40956      1.29820
1.23183      1.07325      0.70459      0.08557
  3604847.54 |       0.94739      1.19847      1.52891      1.87510      2.12127
2.20870      1.76737      1.09788      0.23244
  3604597.54 |       0.86352      1.11982      1.46742      1.99580      2.72333
3.43789      3.47643      1.46044      0.24474
  3604347.54 |       0.80724      0.99488      1.25636      1.74294      2.62939
3.99954      5.65963      5.81580      2.49922
  3604097.54 |       0.68783      0.88446      1.18014      1.61465      2.17515
3.35484      6.24042     12.19059     13.85874
  3603847.54 |       0.65667      0.75299      0.96174      1.23202      1.75808
2.66535      4.58773      9.21897     37.45867
  3603597.54 |       0.60688      0.71692      0.86944      1.12191      1.44035
2.06640      3.42261      6.06835     15.29444
  3603347.54 |       0.55448      0.67244      0.79468      1.04098      1.43759
1.84456      2.58933      4.02342      8.16110
  3603097.54 |       0.53470      0.64755      0.78949      0.97209      1.17860
1.42832      2.01104      3.02127      4.43119
```

```
  3602847.54 |       0.52914      0.63385      0.71573      0.81583      0.95814
1.21343      1.67303      2.24002      2.75250
  3602597.54 |       0.49597      0.52407      0.59937      0.71569      0.85239
1.07975      1.36899      1.65856      1.95980
  3602347.54 |       0.40728      0.45619      0.53315      0.64257      0.77947
0.92197      1.10451      1.27942      1.44980
  3602097.54 |       0.36229      0.41204      0.49331      0.58051      0.68432
0.78971      0.91504      1.01921      1.11890
  3601847.54 |       0.34059      0.39260      0.46446      0.52718      0.59775
0.68184      0.77039      0.83364      0.90626
  3601597.54 |       0.32443      0.37356      0.42717      0.47491      0.53024
0.59540      0.65454      0.70609      0.74672
  3601347.54 |       0.30973      0.35178      0.39149      0.43350      0.48016
0.52296      0.56896      0.60192      0.63840
  3601097.54 |       0.29722      0.32904      0.36093      0.39615      0.43354
0.46503      0.49287      0.52631      0.55649

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 368
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP6      ***
                                 INCLUDING SOURCE(S):     TP6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03364      0.03641      0.02125      0.04094      0.01951
0.01299      0.01124      0.01080      0.00933
  3605847.54 |       0.12127      0.16184      0.03174      0.16915      0.02674
0.01985      0.01433      0.01302      0.01071
  3605597.54 |       0.54256      0.25555      0.17890      0.17022      0.11693
0.06316      0.01902      0.01291      0.01141
  3605347.54 |       0.14715      0.34064      0.25873      0.24409      0.25521
0.03571      0.02249      0.01529      0.01496
  3605097.54 |       0.06324      0.07198      0.05177      0.03537      0.04710
0.12601      0.02657      0.02131      0.01580
  3604847.54 |       0.08161      0.04842      0.04200      0.03379      0.03206
0.02944      0.03827      0.03388      0.02426
  3604597.54 |       0.13105      0.08335      0.05539      0.04552      0.03305
0.02741      0.02965      0.03170      0.04014
  3604347.54 |       0.53261      0.22314      0.11763      0.09555      0.04939
0.03886      0.03054      0.02832      0.02788
  3604097.54 |       9.57224      2.76513      0.53284      0.17880      0.10647
0.05592      0.04341      0.03962      0.03269
  3603847.54 |     116.01419      8.68585      2.89804      1.09719      0.29022
0.14226      0.09693      0.08301      0.05360
  3603597.54 |      24.85675      3.40238      1.79869      1.25274      0.83711
0.53775      0.32874      0.25526      0.13367
  3603347.54 |      12.27184      2.77260      0.64621      1.03735      2.26600
0.75744      1.25810      0.64036      0.23339
  3603097.54 |       6.13677      5.39079      1.19018      2.96741      2.11892
1.58945      1.36111      0.43115      0.21161
```

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  3602847.54 |       3.13564      3.03418      3.19113      2.07094      1.60117
1.43972      1.16276      0.93400      0.17724
  3602597.54 |       2.12061      2.08833      1.98890      1.65042      1.39737
1.17842      1.00644      0.67777      0.13598
  3602347.54 |       1.58182      1.56017      1.45185      1.33983      1.22115
0.97738      0.85928      0.79503      0.60831
  3602097.54 |       1.20175      1.21278      1.13417      1.08798      1.02547
0.89744      0.84300      0.69820      0.58525
  3601847.54 |       0.95528      0.97010      0.95056      0.90001      0.84800
0.76944      0.71648      0.67185      0.53393
  3601597.54 |       0.78813      0.82070      0.79443      0.75838      0.70311
0.66985      0.62000      0.58883      0.48293
  3601347.54 |       0.66264      0.69587      0.67592      0.65179      0.59064
0.58220      0.56086      0.50794      0.42525
  3601097.54 |       0.57136      0.59092      0.58269      0.56320      0.52403
0.50835      0.49367      0.42929      0.42412

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 369
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP6      ***
                                 INCLUDING SOURCE(S):     TP6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00833      0.00748
  3605847.54 |       0.00919      0.00813
  3605597.54 |       0.01036      0.00939
  3605347.54 |       0.01348      0.01073
  3605097.54 |       0.01318      0.01248
  3604847.54 |       0.01790      0.01903
  3604597.54 |       0.03509      0.01916
  3604347.54 |       0.02271      0.01954
  3604097.54 |       0.02716      0.02354
  3603847.54 |       0.04373      0.03912
  3603597.54 |       0.09629      0.06679
  3603347.54 |       0.11182      0.08845
  3603097.54 |       0.13939      0.10536
  3602847.54 |       0.12152      0.12821
  3602597.54 |       0.12613      0.15975
  3602347.54 |       0.37853      0.44748
  3602097.54 |       0.53139      0.48455
  3601847.54 |       0.46410      0.42006
  3601597.54 |       0.45258      0.37862
  3601347.54 |       0.39397      0.37150
  3601097.54 |       0.35667      0.34776

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25
```

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PAGE 370
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP6      ***
                                  INCLUDING SOURCE(S):     TP6         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78   3603955.63       18.68775                         507708.67
3603932.32        3.52902
         506203.59   3603369.23        0.49365                         507919.87
3604794.52       1.73951
         507037.89   3604916.08        1.70272

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 371
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP7      ***
                                  INCLUDING SOURCE(S):     TP7         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26281      0.29481      0.33130      0.37557      0.40525
0.45866      0.48709      0.48895      0.46300
  3605847.54 |       0.25650      0.29142      0.33020      0.38672      0.44226
0.49357      0.53925      0.58117      0.56746
  3605597.54 |       0.24546      0.27724      0.32559      0.38347      0.44296
0.50868      0.57952      0.65345      0.71379
  3605347.54 |       0.26513      0.27791      0.29979      0.33707      0.41217
0.48985      0.57606      0.68085      0.78220
  3605097.54 |       0.26640      0.29405      0.32334      0.33746      0.37486
0.43508      0.54504      0.65202      0.78408
  3604847.54 |       0.25724      0.28485      0.31009      0.34476      0.40762
0.42505      0.48464      0.60347      0.72539
  3604597.54 |       0.24182      0.26764      0.30039      0.34699      0.40962
0.42872      0.49876      0.55195      0.66890
  3604347.54 |       0.22824      0.25047      0.28017      0.31821      0.36848
0.42914      0.50220      0.57405      0.62214
  3604097.54 |       0.21447      0.24139      0.26483      0.29613      0.33630
0.38706      0.46724      0.53822      0.58827
```

```
  3603847.54 |       0.19969      0.22205      0.25331      0.27966      0.32069
0.37051      0.41805      0.46497      0.54670
  3603597.54 |       0.18555      0.20327      0.22901      0.25511      0.28134
0.32151      0.35916      0.40631      0.47584
  3603347.54 |       0.17405      0.19176      0.21267      0.23409      0.26023
0.29174      0.33024      0.37770      0.44774
  3603097.54 |       0.16698      0.18214      0.19934      0.22662      0.24614
0.27277      0.31546      0.35627      0.42505
  3602847.54 |       0.16030      0.17489      0.19483      0.21283      0.23519
0.26279      0.30555      0.34865      0.41645
  3602597.54 |       0.15553      0.16985      0.18898      0.20878      0.23248
0.26192      0.30264      0.34670      0.41090
  3602347.54 |       0.15328      0.16752      0.18395      0.20307      0.22955
0.26310      0.29985      0.33760      0.37458
  3602097.54 |       0.15153      0.16589      0.18335      0.20291      0.22745
0.25111      0.27514      0.30097      0.32020
  3601847.54 |       0.15108      0.16539      0.18038      0.19679      0.21470
0.22874      0.24502      0.26379      0.29207
  3601597.54 |       0.14973      0.16157      0.17226      0.18284      0.19280
0.20550      0.22122      0.24470      0.27706
  3601347.54 |       0.14435      0.15180      0.15891      0.16663      0.17785
0.19169      0.21024      0.23503      0.26433
  3601097.54 |       0.13474      0.14018      0.14733      0.15811      0.16988
0.18592      0.20454      0.22984      0.25758

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 372
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP7      ***
                                  INCLUDING SOURCE(S):     TP7         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.46666      0.47591      0.45389      0.47558      0.41543
0.39554      0.22565      0.18848      0.05552
  3605847.54 |       0.55691      0.56059      0.57927      0.56272      0.55228
0.48576      0.36225      0.44127      0.18431
  3605597.54 |       0.69915      0.68780      0.68582      0.69495      0.75244
0.63587      0.43400      0.51837      0.48492
  3605347.54 |       0.87419      0.93027      0.87862      0.85879      0.81876
0.71670      0.63285      0.60626      0.32389
  3605097.54 |       0.93550      1.09386      1.22810      1.27731      1.19362
1.11795      0.96057      0.77708      0.09047
  3604847.54 |       0.90584      1.13589      1.42045      1.69514      1.86822
1.93303      1.80838      1.37916      0.33889
  3604597.54 |       0.82933      1.06383      1.38633      1.85395      2.43442
2.94901      2.94678      1.87751      0.28749
  3604347.54 |       0.78475      0.96434      1.21512      1.65525      2.43707
3.58877      4.72762      4.63854      3.00364
  3604097.54 |       0.68231      0.86786      1.14195      1.54342      2.09222
3.16870      5.61972     10.07945      9.89444
```

```
  3603847.54 |       0.64118      0.74798      0.95066      1.22604      1.72488
2.58916      4.39461      9.07218     34.43750
  3603597.54 |       0.58463      0.69086      0.83866      1.07502      1.38910
1.97183      3.15559      5.76779     15.18435
  3603347.54 |       0.53127      0.64035      0.75698      0.97799      1.32963
1.75767      2.55158      3.91268      8.20882
  3603097.54 |       0.50802      0.61150      0.74357      0.92434      1.14899
1.39814      1.92595      3.01072      4.56078
  3602847.54 |       0.50223      0.60470      0.69410      0.79708      0.92362
1.16897      1.63939      2.24498      2.84399
  3602597.54 |       0.48145      0.51439      0.58340      0.68507      0.81766
1.05223      1.35364      1.67910      1.99533
  3602347.54 |       0.39987      0.44323      0.51253      0.61576      0.75435
0.91059      1.10128      1.29644      1.47273
  3602097.54 |       0.35190      0.39824      0.47483      0.56288      0.67152
0.78232      0.91502      1.03062      1.13597
  3601847.54 |       0.32937      0.37925      0.44918      0.51621      0.59042
0.67650      0.77065      0.84087      0.91568
  3601597.54 |       0.31395      0.36202      0.41668      0.46755      0.52398
0.59142      0.65469      0.70822      0.75321
  3601347.54 |       0.30054      0.34280      0.38408      0.42651      0.47344
0.52001      0.56732      0.60256      0.64049
  3601097.54 |       0.28937      0.32213      0.35457      0.38937      0.42760
0.46201      0.49147      0.52493      0.55559

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 373
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03558      0.04087      0.02214      0.05094      0.02017
0.01323      0.01118      0.01082      0.00941
  3605847.54 |       0.16479      0.20037      0.03448      0.20864      0.02825
0.02036      0.01454      0.01327      0.01090
  3605597.54 |       0.50866      0.31375      0.22992      0.21025      0.15535
0.08597      0.01968      0.01311      0.01150
  3605347.54 |       0.21256      0.43246      0.32923      0.29856      0.30274
0.04311      0.02404      0.01565      0.01497
  3605097.54 |       0.06395      0.08171      0.05382      0.03608      0.05706
0.18058      0.02849      0.02218      0.01601
  3604847.54 |       0.08121      0.04833      0.04299      0.03386      0.03364
0.03036      0.04282      0.03662      0.02557
  3604597.54 |       0.12953      0.08149      0.05503      0.04771      0.03280
0.02764      0.02984      0.03294      0.04436
  3604347.54 |       0.84834      0.22607      0.13184      0.10011      0.04838
0.03717      0.03010      0.02808      0.02754
  3604097.54 |       6.90648      5.40786      0.86949      0.18667      0.10347
0.05261      0.04079      0.03786      0.03162
```

```
  3603847.54 |      51.90812     10.50735      3.89133      1.50851      0.27234
0.12845      0.08885      0.07755      0.05034
  3603597.54 |      71.75952      5.70536      2.18210      1.41155      0.94533
0.58766      0.34039      0.26571      0.13081
  3603347.54 |      13.10908      5.25238      0.85891      1.46269      2.86013
0.98750      1.52963      0.84115      0.25247
  3603097.54 |       6.21989      5.53999      1.98037      3.06176      2.14209
1.88212      1.55281      0.55209      0.22985
  3602847.54 |       3.31016      3.19158      3.31652      2.11494      1.60808
1.46226      1.17162      1.08704      0.19960
  3602597.54 |       2.20976      2.18648      2.02345      1.69899      1.40181
1.16784      0.99958      0.79426      0.15601
  3602347.54 |       1.62021      1.61590      1.49036      1.36376      1.22536
0.98026      0.85144      0.79700      0.66411
  3602097.54 |       1.22875      1.24727      1.16495      1.10045      1.03104
0.89710      0.90171      0.76021      0.57896
  3601847.54 |       0.97325      0.99337      0.96484      0.90834      0.85261
0.77450      0.71106      0.70501      0.52870
  3601597.54 |       0.79860      0.83053      0.80337      0.76410      0.70840
0.67346      0.62020      0.58272      0.48001
  3601347.54 |       0.66900      0.70061      0.68137      0.65489      0.59772
0.58382      0.56054      0.50641      0.42737
  3601097.54 |       0.57411      0.59431      0.58599      0.56521      0.52799
0.50928      0.49350      0.43460      0.42197

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 374
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00838      0.00751
  3605847.54 |       0.00929      0.00812
  3605597.54 |       0.01039      0.00939
  3605347.54 |       0.01364      0.01087
  3605097.54 |       0.01330      0.01230
  3604847.54 |       0.01763      0.01918
  3604597.54 |       0.03812      0.01948
  3604347.54 |       0.02194      0.01882
  3604097.54 |       0.02640      0.02300
  3603847.54 |       0.04139      0.03730
  3603597.54 |       0.09348      0.06423
  3603347.54 |       0.11215      0.08798
  3603097.54 |       0.14565      0.10802
  3602847.54 |       0.13076      0.13741
  3602597.54 |       0.14264      0.18458
  3602347.54 |       0.46796      0.50690
  3602097.54 |       0.52613      0.48345
  3601847.54 |       0.46013      0.41568
  3601597.54 |       0.44746      0.37642
```

```
  3601347.54 |       0.39240      0.36778
  3601097.54 |       0.35790      0.34459

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 375
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP7      ***
                                  INCLUDING SOURCE(S):     TP7         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       16.36381                      507708.67
3603932.32        3.38296
         506203.59    3603369.23        0.47504                      507919.87
3604794.52        1.91931
         507037.89    3604916.08        1.54496

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 376
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP8      ***
                                  INCLUDING SOURCE(S):     TP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26230      0.29495      0.33302      0.38116      0.41268
0.47522      0.50869      0.51105      0.48029
  3605847.54 |       0.25666      0.29211      0.33149      0.39209      0.45194
0.50807      0.55941      0.60879      0.59040
  3605597.54 |       0.24619      0.27812      0.32868      0.38929      0.45110
0.52040      0.59720      0.68084      0.75178
  3605347.54 |       0.27077      0.28153      0.30125      0.33756      0.41773
0.49848      0.58836      0.70127      0.81386
  3605097.54 |       0.27158      0.30041      0.33061      0.34117      0.37725
0.43813      0.55594      0.66576      0.80400
  3604847.54 |       0.26070      0.28902      0.31415      0.34954      0.41740
0.42899      0.48823      0.61659      0.74009
  3604597.54 |       0.24467      0.27064      0.30391      0.35224      0.41745
0.43316      0.50600      0.55395      0.67770
  3604347.54 |       0.23108      0.25335      0.28354      0.32248      0.37431
0.43658      0.51145      0.58379      0.61942
  3604097.54 |       0.21643      0.24426      0.26770      0.29946      0.34057
0.39273      0.47617      0.54864      0.59195
  3603847.54 |       0.20086      0.22366      0.25598      0.28244      0.32454
0.37546      0.42356      0.46905      0.55160
  3603597.54 |       0.18697      0.20485      0.23146      0.25807      0.28431
0.32565      0.36316      0.40992      0.48086
  3603347.54 |       0.17599      0.19415      0.21563      0.23732      0.26388
0.29594      0.33519      0.38366      0.45696
  3603097.54 |       0.16896      0.18433      0.20175      0.23029      0.24974
0.27673      0.32170      0.36362      0.43677
  3602847.54 |       0.16226      0.17723      0.19807      0.21649      0.23947
0.26789      0.31312      0.35784      0.42972
  3602597.54 |       0.15797      0.17273      0.19267      0.21305      0.23750
0.26807      0.31086      0.35599      0.42084
  3602347.54 |       0.15595      0.17053      0.18740      0.20706      0.23470
0.26941      0.30609      0.34215      0.37702
  3602097.54 |       0.15423      0.16905      0.18706      0.20681      0.23130
0.25387      0.27666      0.30234      0.32273
  3601847.54 |       0.15392      0.16834      0.18296      0.19866      0.21589
0.22935      0.24624      0.26655      0.29680
  3601597.54 |       0.15183      0.16318      0.17313      0.18326      0.19329
0.20687      0.22379      0.24855      0.28217
  3601347.54 |       0.14527      0.15228      0.15928      0.16737      0.17945
0.19417      0.21351      0.23910      0.26902
  3601097.54 |       0.13514      0.14072      0.14835      0.15986      0.17226
0.18890      0.20800      0.23399      0.26206

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 377
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP8      ***
                                  INCLUDING SOURCE(S):     TP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.48671      0.50103      0.48141      0.51048      0.44146
0.34831      0.19098      0.16135      0.04978
  3605847.54 |       0.57973      0.58735      0.61660      0.60892      0.58896
0.41275      0.34195      0.36769      0.15221
  3605597.54 |       0.73052      0.71954      0.72190      0.74370      0.81382
0.55169      0.39938      0.55650      0.52169
  3605347.54 |       0.92119      0.99095      0.92570      0.90799      0.87311
0.77865      0.68862      0.65823      0.26742
  3605097.54 |       0.96830      1.15121      1.32023      1.39701      1.29619
1.23608      1.08064      0.73751      0.08825
  3604847.54 |       0.92690      1.17069      1.49423      1.83920      2.09420
2.19917      1.86229      1.15271      0.25495
```

```
  3604597.54 |       0.84756      1.09396      1.42768      1.93660      2.64881
3.38375      3.47077      1.66817      0.25865
  3604347.54 |       0.79227      0.97548      1.23036      1.69566      2.53385
3.83991      5.50242      5.79424      2.77587
  3604097.54 |       0.67727      0.86723      1.15110      1.56690      2.10794
3.22722      5.89262     11.53548     14.20309
  3603847.54 |       0.64415      0.73989      0.94192      1.20463      1.70648
2.56459      4.35154      8.60714     32.56292
  3603597.54 |       0.59494      0.70178      0.84967      1.09247      1.39996
1.99573      3.26183      5.74455     13.93207
  3603347.54 |       0.54398      0.65830      0.77695      1.01355      1.39262
1.78856      2.50308      3.84273      7.75489
  3603097.54 |       0.52455      0.63396      0.77146      0.94930      1.15174
1.39099      1.94340      2.92606      4.30897
  3602847.54 |       0.51932      0.62183      0.70258      0.80006      0.93565
1.18209      1.63048      2.18629      2.70290
  3602597.54 |       0.48845      0.51627      0.58893      0.70040      0.83303
1.05653      1.34053      1.63053      1.92888
  3602347.54 |       0.40182      0.44897      0.52330      0.62951      0.76408
0.90617      1.08612      1.26251      1.43117
  3602097.54 |       0.35706      0.40546      0.48457      0.57047      0.67352
0.77774      0.90251      1.00770      1.10705
  3601847.54 |       0.33557      0.38643      0.45693      0.51957      0.58965
0.67262      0.76140      0.82524      0.89743
  3601597.54 |       0.31977      0.36807      0.42124      0.46893      0.52352
0.58830      0.64784      0.69913      0.74022
  3601347.54 |       0.30554      0.34719      0.38677      0.42826      0.47427
0.51748      0.56340      0.59641      0.63287
  3601097.54 |       0.29352      0.32522      0.35685      0.39148      0.42862
0.46056      0.48847      0.52159      0.55164

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 378
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP8      ***
                                  INCLUDING SOURCE(S):     TP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03425      0.03728      0.02166      0.04270      0.01988
0.01313      0.01129      0.01089      0.00939
  3605847.54 |       0.13091      0.17031      0.03253      0.17786      0.02722
0.02004      0.01450      0.01314      0.01083
  3605597.54 |       0.54185      0.26788      0.19134      0.17947      0.12480
0.06748      0.01934      0.01305      0.01149
  3605347.54 |       0.16051      0.35953      0.27580      0.25690      0.26752
0.03721      0.02300      0.01550      0.01507
  3605097.54 |       0.06459      0.07493      0.05272      0.03599      0.04940
0.13691      0.02707      0.02174      0.01596
  3604847.54 |       0.08316      0.04930      0.04314      0.03434      0.03287
0.02987      0.03933      0.03472      0.02471
```

```
  3604597.54 |       0.13419      0.08481      0.05654      0.04683      0.03349
0.02799      0.03007      0.03224      0.04133
  3604347.54 |       0.59566      0.23005      0.12422      0.09880      0.05020
0.03933      0.03097      0.02867      0.02823
  3604097.54 |       9.53950      3.22925      0.59772      0.18731      0.10954
0.05692      0.04404      0.04022      0.03313
  3603847.54 |     129.92205     10.39773      3.32054      1.21905      0.30380
0.14676      0.09939      0.08516      0.05458
  3603597.54 |      30.14828      3.47206      1.87584      1.31818      0.88008
0.56253      0.34144      0.26491      0.13740
  3603347.54 |      11.90293      3.13898      0.65534      1.07656      2.39217
0.79715      1.32903      0.68238      0.23987
  3603097.54 |       5.98292      5.36445      1.32414      3.02266      2.12936
1.63163      1.39406      0.45008      0.21578
  3602847.54 |       3.09885      3.03233      3.20238      2.09007      1.61073
1.45280      1.16474      0.95293      0.17957
  3602597.54 |       2.09956      2.08721      1.98242      1.65612      1.40515
1.18216      1.00969      0.70625      0.13798
  3602347.54 |       1.56546      1.55720      1.45082      1.33650      1.22359
0.98222      0.86116      0.79924      0.62413
  3602097.54 |       1.19141      1.20956      1.13362      1.08541      1.02308
0.89963      0.85994      0.71132      0.58571
  3601847.54 |       0.94790      0.96724      0.94813      0.89809      0.84499
0.76982      0.71747      0.69467      0.53448
  3601597.54 |       0.78218      0.81676      0.79215      0.75634      0.70170
0.66809      0.62061      0.58935      0.48385
  3601347.54 |       0.65782      0.69214      0.67378      0.64962      0.59032
0.58030      0.55976      0.50850      0.42670
  3601097.54 |       0.56715      0.58787      0.58071      0.56131      0.52318
0.50714      0.49192      0.43019      0.42450

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 379
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP8      ***
                                  INCLUDING SOURCE(S):     TP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00838      0.00753
  3605847.54 |       0.00925      0.00817
  3605597.54 |       0.01041      0.00944
  3605347.54 |       0.01360      0.01080
  3605097.54 |       0.01334      0.01254
  3604847.54 |       0.01805      0.01920
  3604597.54 |       0.03609      0.01936
  3604347.54 |       0.02292      0.01972
  3604097.54 |       0.02749      0.02379
  3603847.54 |       0.04442      0.03970
  3603597.54 |       0.09846      0.06803
  3603347.54 |       0.11385      0.09007
  3603097.54 |       0.14146      0.10678
```

```
  3602847.54 |       0.12256      0.12996
  3602597.54 |       0.12741      0.16318
  3602347.54 |       0.39777      0.45903
  3602097.54 |       0.53202      0.48535
  3601847.54 |       0.46439      0.42024
  3601597.54 |       0.45284      0.37893
  3601347.54 |       0.39475      0.37164
  3601097.54 |       0.35771      0.34803

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 380
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP8      ***
                                  INCLUDING SOURCE(S):     TP8         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       17.06014                     507708.67
3603932.32        3.37662
         506203.59    3603369.23        0.48493                     507919.87
3604794.52        1.87015
         507037.89    3604916.08        1.67225

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 381
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9      ***
                                  INCLUDING SOURCE(S):     TP9         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.26316      0.29634      0.33552      0.38638      0.41878
0.48786      0.52450      0.52650      0.49112
  3605847.54 |       0.25812      0.29421      0.33422      0.39802      0.46095
0.52028      0.57524      0.62938      0.60598
  3605597.54 |       0.24785      0.28025      0.33291      0.39585      0.45966
0.53173      0.61269      0.70277      0.78053
  3605347.54 |       0.27578      0.28536      0.30380      0.33990      0.42463
0.50821      0.60127      0.72013      0.84051
  3605097.54 |       0.27621      0.30603      0.33714      0.34543      0.38102
0.44331      0.56811      0.68115      0.82488
  3604847.54 |       0.26432      0.29329      0.31856      0.35467      0.42628
0.43406      0.49374      0.63104      0.75792
  3604597.54 |       0.24792      0.27423      0.30813      0.35788      0.42485
0.43913      0.51451      0.55882      0.68914
  3604347.54 |       0.23416      0.25668      0.28749      0.32741      0.38070
0.44452      0.52121      0.59528      0.62281
  3604097.54 |       0.21880      0.24741      0.27110      0.30346      0.34559
0.39919      0.48494      0.55952      0.60025
  3603847.54 |       0.20268      0.22594      0.25912      0.28594      0.32897
0.38082      0.43000      0.47574      0.56003
  3603597.54 |       0.18891      0.20708      0.23445      0.26164      0.28825
0.33074      0.36879      0.41606      0.48902
  3603347.54 |       0.17814      0.19672      0.21874      0.24081      0.26791
0.30066      0.34087      0.39065      0.46689
  3603097.54 |       0.17103      0.18666      0.20437      0.23394      0.25364
0.28122      0.32816      0.37144      0.44812
  3602847.54 |       0.16431      0.17967      0.20126      0.22015      0.24377
0.27301      0.32026      0.36662      0.44169
  3602597.54 |       0.16032      0.17547      0.19608      0.21701      0.24220
0.27382      0.31826      0.36423      0.42907
  3602347.54 |       0.15839      0.17331      0.19063      0.21083      0.23939
0.27489      0.31139      0.34627      0.38012
  3602097.54 |       0.15670      0.17193      0.19038      0.21028      0.23470
0.25656      0.27870      0.30467      0.32654
  3601847.54 |       0.15643      0.17092      0.18527      0.20051      0.21738
0.23069      0.24831      0.26998      0.30184
  3601597.54 |       0.15368      0.16468      0.17421      0.18416      0.19445
0.20882      0.22672      0.25255      0.28729
  3601347.54 |       0.14623      0.15302      0.16008      0.16856      0.18133
0.19677      0.21678      0.24311      0.27374
  3601097.54 |       0.13578      0.14154      0.14959      0.16167      0.17458
0.19172      0.21132      0.23796      0.26644

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 382
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9      ***
                                  INCLUDING SOURCE(S):     TP9         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.49961      0.51775      0.49879      0.52851      0.45449
0.33610      0.16362      0.14081      0.04669
  3605847.54 |       0.59405      0.60459      0.64183      0.63841      0.55076
0.39825      0.31818      0.33788      0.13025
  3605597.54 |       0.75234      0.73964      0.74501      0.77613      0.83924
0.52945      0.36304      0.57865      0.54508
```

```
  3605347.54 |       0.95799      1.03617      0.95607      0.93890      0.90557
0.81487      0.72537      0.69329      0.22472
  3605097.54 |       0.99880      1.19847      1.39040      1.48445      1.36758
1.31472      1.15539      0.68529      0.08656
  3604847.54 |       0.95181      1.20753      1.55877      1.95067      2.25522
2.36357      1.83173      1.08185      0.21773
  3604597.54 |       0.86897      1.12867      1.47669      2.01957      2.82108
3.67144      3.78556      1.37199      0.24841
  3604347.54 |       0.80526      0.99330      1.25552      1.75285      2.65175
4.08545      6.13840      6.71607      2.35025
  3604097.54 |       0.68062      0.87761      1.17446      1.60897      2.15718
3.34509      6.29835     12.92180     18.18070
  3603847.54 |       0.65309      0.74274      0.94862      1.20802      1.72792
2.61525      4.48235      8.68521     33.10966
  3603597.54 |       0.60770      0.71755      0.86936      1.12275      1.43738
2.06793      3.45680      5.88495     14.35720
  3603347.54 |       0.55741      0.67699      0.80083      1.05269      1.45483
1.83446      2.53964      3.93058      7.77701
  3603097.54 |       0.53997      0.65477      0.79755      0.97380      1.16665
1.41842      2.00019      2.93659      4.25892
  3602847.54 |       0.53374      0.63541      0.71202      0.81080      0.95893
1.21052      1.65091      2.18715      2.65956
  3602597.54 |       0.49422      0.52105      0.59833      0.71841      0.85415
1.07264      1.35074      1.62049      1.91247
  3602347.54 |       0.40591      0.45670      0.53544      0.64517      0.77844
0.91311      1.08865      1.25383      1.41979
  3602097.54 |       0.36319      0.41364      0.49532      0.58059      0.68078
0.78237      0.90276      1.00178      1.09807
  3601847.54 |       0.34205      0.39417      0.46553      0.52568      0.59395
0.67583      0.76133      0.82140      0.89238
  3601597.54 |       0.32579      0.37460      0.42700      0.47303      0.52718
0.59055      0.64776      0.69797      0.73662
  3601347.54 |       0.31072      0.35210      0.39077      0.43213      0.47802
0.51906      0.56422      0.59599      0.63162
  3601097.54 |       0.29779      0.32890      0.36026      0.39519      0.43181
0.46210      0.48914      0.52220      0.55194

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 383
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9      ***
                                  INCLUDING SOURCE(S):     TP9         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.03351      0.03552      0.02119      0.03882      0.01952
0.01304      0.01132      0.01089      0.00938
  3605847.54 |       0.10995      0.14971      0.03143      0.15974      0.02658
0.01991      0.01440      0.01305      0.01074
  3605597.54 |       0.56003      0.24104      0.16395      0.15856      0.10634
0.05755      0.01897      0.01294      0.01146
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  3605347.54 |       0.13301      0.32162      0.24060      0.22893      0.24070
0.03459      0.02200      0.01542      0.01511
  3605097.54 |       0.06443      0.07093      0.05220      0.03579      0.04545
0.11233      0.02614      0.02139      0.01579
  3604847.54 |       0.08409      0.04961      0.04268      0.03425      0.03193
0.02990      0.03792      0.03340      0.02427
  3604597.54 |       0.13640      0.08644      0.05649      0.04574      0.03383
0.02796      0.03036      0.03210      0.04000
  3604347.54 |       0.50762      0.23368      0.11756      0.09809      0.05152
0.04015      0.03120      0.02898      0.02884
  3604097.54 |      11.86027      2.44371      0.49944      0.19087      0.11373
0.05981      0.04579      0.04132      0.03387
  3603847.54 |     240.82492      9.30059      2.87010      1.10273      0.32400
0.15751      0.10545      0.08907      0.05704
  3603597.54 |      16.22408      2.62485      1.62044      1.22388      0.82702
0.53658      0.33460      0.25990      0.13936
  3603347.54 |      11.53915      2.30899      0.56149      0.90250      2.03128
0.69954      1.16216      0.59191      0.23084
  3603097.54 |       5.90007      5.23830      1.03305      2.90268      2.09944
1.48901      1.29648      0.39904      0.20595
  3602847.54 |       3.01118      2.95437      3.06800      2.06688      1.60706
1.42433      1.15254      0.88620      0.16755
  3602597.54 |       2.05289      2.03583      1.96290      1.62971      1.40208
1.18469      1.00797      0.63410      0.12859
  3602347.54 |       1.54562      1.52741      1.43012      1.32325      1.22023
0.98031      0.86402      0.79275      0.58698
  3602097.54 |       1.17683      1.19075      1.11663      1.07806      1.01910
0.89910      0.82304      0.67890      0.58802
  3601847.54 |       0.93797      0.95430      0.94004      0.89301      0.84177
0.76653      0.71937      0.65948      0.53669
  3601597.54 |       0.77633      0.81120      0.78692      0.75274      0.69835
0.66562      0.62003      0.59140      0.48513
  3601347.54 |       0.65419      0.68930      0.67045      0.64747      0.58611
0.57892      0.55938      0.50895      0.42532
  3601097.54 |       0.56549      0.58577      0.57858      0.55981      0.52069
0.50620      0.49153      0.42697      0.42535

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 384
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9      ***
                                  INCLUDING SOURCE(S):     TP9         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.00837      0.00750
  3605847.54 |       0.00921      0.00819
  3605597.54 |       0.01045      0.00943
  3605347.54 |       0.01344      0.01078
  3605097.54 |       0.01335      0.01268
  3604847.54 |       0.01829      0.01923
  3604597.54 |       0.03484      0.01933
```

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  3604347.54 |       0.02351      0.02021
  3604097.54 |       0.02802      0.02422
  3603847.54 |       0.04615      0.04108
  3603597.54 |       0.10050      0.06980
  3603347.54 |       0.11333      0.09008
  3603097.54 |       0.13788      0.10515
  3602847.54 |       0.11713      0.12501
  3602597.54 |       0.11900      0.15103
  3602347.54 |       0.34992      0.42240
  3602097.54 |       0.53327      0.48411
  3601847.54 |       0.46610      0.42211
  3601597.54 |       0.45482      0.37989
  3601347.54 |       0.39540      0.37329
  3601097.54 |       0.35685      0.34946

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 385
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9      ***
                                 INCLUDING SOURCE(S):     TP9         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63       18.50392                      507708.67
3603932.32        3.47064
         506203.59    3603369.23        0.49571                      507919.87
3604794.52        1.76129
         507037.89    3604916.08        1.76995

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 386
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

     Y-COORD  |                                                X-COORD (METERS)
     (METERS) |     504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |      18.89777     21.23292     23.96082     27.49277     29.62981
34.39242     36.74145     36.55043     33.69166
  3605847.54 |      18.57151     21.16145     24.00551     28.54622     32.94437
36.99750     40.64761     44.17185     42.01853
  3605597.54 |      17.79835     20.16311     23.99767     28.54275     33.09370
38.15892     43.74199     49.84375     54.93633
  3605347.54 |      19.77222     20.47449     21.83117     24.47768     30.67497
36.71384     43.34097     51.66896     59.89199
  3605097.54 |      19.77421     21.94390     24.21145     24.80255     27.40947
31.99358     41.17439     49.34557     59.56963
  3604847.54 |      18.89244     21.00036     22.84068     25.46816     30.69309
31.21766     35.58017     45.76907     55.15159
  3604597.54 |      17.66193     19.58316     22.06666     25.71027     30.59083
31.67023     37.17626     40.30755     49.86308
  3604347.54 |      16.59574     18.23024     20.47571     23.40200     27.32717
32.05418     37.74531     43.29282     45.20880
  3604097.54 |      15.39151     17.45123     19.16712     21.52039     24.60079
28.55362     34.86404     40.51311     43.67099
  3603847.54 |      14.13588     15.79592     18.16821     20.11073     23.22468
26.99688     30.67288     34.22336     40.75827
  3603597.54 |      13.10050     14.38755     16.33132     18.27444     20.19579
23.27206     26.08295     29.63210     35.24284
  3603347.54 |      12.29257     13.59546     15.14225     16.70043     18.62286
20.96544     23.87272     27.53366     33.24494
  3603097.54 |      11.74611     12.83173     14.06661     16.13395     17.52381
19.47309     22.80221     25.90756     31.47975
  3602847.54 |      11.21999     12.27490     13.76237     15.06753     16.70906
18.76449     22.12577     25.48798     30.87508
  3602597.54 |      10.87862     11.92132     13.35136     14.82141     16.60754
18.85418     21.97899     25.17904     29.70564
  3602347.54 |      10.74678     11.79232     13.01029     14.43045     16.42271
18.87715     21.40123     23.87385     26.38502
  3602097.54 |      10.65969     11.72411     13.00811     14.38557     16.07315
17.60035     19.18204     21.07435     22.76771
  3601847.54 |      10.66132     11.66613     12.65986     13.71707     14.89415
15.84878     17.13359     18.74501     21.10270
  3601597.54 |      10.48675     11.24742     11.90792     12.60317     13.33637
14.37712     15.69145     17.58182     20.14035
  3601347.54 |       9.98086     10.44871     10.93999     11.54316     12.46001
13.58184     15.04292     16.97623     19.24499
  3601097.54 |       9.26023      9.66094     10.23009     11.08843     12.02289
13.26957     14.71100     16.66827     18.79607

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 387
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
```

```
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |      33.98453     34.90071     32.92180     33.59008     27.67527
21.78045     10.44374      8.95547      3.19549
  3605847.54 |      40.72347     41.06149     43.13550     41.77855     34.60948
25.72440     19.72444     20.90698      8.29704
  3605597.54 |      52.25590     50.68999     50.51003     51.84970     51.85842
33.30092     22.76598     34.77822     32.13531
  3605347.54 |      67.68414     72.44393     65.56301     63.52348     59.76647
51.74723     45.68818     42.54876     13.84551
  3605097.54 |      71.66063     85.16897     97.68310    102.76520     92.90326
86.35613     72.36992     41.78150      5.77287
  3604847.54 |      69.29314     87.51736    111.78433    137.87508    156.17142
158.48112    109.22468     67.26404     14.58157
  3604597.54 |      63.24940     82.72428    108.53896    147.23546    201.27771
253.37032    251.20634     80.90340     16.75372
  3604347.54 |      58.68163     72.44332     91.88714    130.22245    199.08840
301.03345    439.07108    471.54656    136.33574
  3604097.54 |      49.56347     64.30602     86.86150    120.23344    163.67377
299.01819    502.40565    978.71304   1888.96410
  3603847.54 |      48.01462     54.62545     70.16257     90.03843    133.19069
240.49097    345.72373    692.50527   2928.34206
  3603597.54 |      44.79691     54.73550     66.83078     86.61070    113.06890
195.88594    258.10333    439.91479   1197.64647
  3603347.54 |      40.35081     51.17579    109.51324    134.32986    156.01648
170.19500    193.30915    298.89659    611.19463
  3603097.54 |      38.39708     47.63366     60.65588     75.02618     90.55953
109.46858    149.76046    221.05875    329.74274
  3602847.54 |      37.42938     44.96887     51.56315     60.06250     71.56860
89.76219    122.20040    162.65147    200.77321
  3602597.54 |      34.45683     36.95305     43.10579     52.38097     62.60039
78.66339     99.44314    119.69716    142.37559
  3602347.54 |      28.48173     32.40738     38.42371     46.70712     56.58438
66.68631     79.79873     92.23700    104.69636
  3602097.54 |      25.54550     29.36431     35.47785     41.84568     49.33164
56.98086     66.05911     73.45354     80.42010
  3601847.54 |      24.10586     28.00247     33.31939     37.84231     42.98167
49.17878     55.60279     60.06469     65.05826
  3601597.54 |      23.00637     26.65323     30.58241     34.05096     38.12991
42.95860     47.21373     50.93896     53.52121
  3601347.54 |      22.00450     25.10994     28.00917     31.10161     34.59916
37.72883     41.06607     43.40851     45.78568
  3601097.54 |      21.15861     23.49514     25.82773     28.45339     31.27599
33.55848     35.56209     37.96908     39.93796

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 388
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                 CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                 HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       2.25160      2.41095      1.38419      2.63804      1.28223
0.85915      0.75194      0.72499      0.62385
  3605847.54 |       7.05223      9.35268      2.07758      9.78744      1.75612
1.32209      0.95243      0.86653      0.71805
  3605597.54 |      30.55093     14.72510     10.03660      9.78272      6.94792
3.79800      1.25569      0.85983      0.76712
  3605347.54 |       8.68952     19.94920     14.58298     14.15052     14.38907
2.32818      1.44797      1.03777      1.00820
  3605097.54 |       4.24238      4.72514      3.40708      2.34494      3.02768
7.32794      1.77848      1.42568      1.05560
  3604847.54 |       5.43804      3.22968      2.75843      2.20530      2.08915
1.98656      2.57978      2.22110      1.61715
  3604597.54 |       8.78351      5.52627      3.60606      2.96488      2.22374
1.87575      2.02499      2.14650      2.73765
  3604347.54 |      34.82896     14.70342      7.76700      6.58013      3.41892
2.62833      2.07248      1.95030      1.94611
  3604097.54 |     725.03490    154.61983     36.76738     13.65964      7.69800
4.00649      3.04432      2.75053      2.26824
  3603847.54 |    8589.31773    517.71222    176.50736     72.74331     21.46812
10.44041      7.02345      5.93913      3.82100
  3603597.54 |    1551.02094    204.68659     98.00972     74.59340     51.98906
34.08742     21.25730     16.72010      9.05696
  3603347.54 |     872.25302    165.24757     41.96083     64.43544    129.43046
46.85189     73.71319     39.39002     15.22336
  3603097.54 |     480.70841    382.62049     74.30116    179.13561    134.43003
96.82699     83.69407     27.47841     13.76185
  3602847.54 |     231.00028    215.93936    209.00120    135.32802    104.60255
90.63653     74.81496     58.22101     11.54259
  3602597.54 |     151.89391    145.84557    136.21614    109.17945     91.67951
77.14044     65.37166     41.55902      9.12129
  3602347.54 |     112.93847    108.72642     99.93474     90.81470     80.90516
64.27720     56.55125     51.44083     38.29081
  3602097.54 |      85.44672     84.65423     78.35617     74.45784     69.12149
59.48486     53.39584     44.26606     38.59121
  3601847.54 |      67.86300     67.86352     66.04944     62.00323     57.89308
51.56943     47.55684     43.11261     35.35747
  3601597.54 |      56.05541     57.75118     55.32839     52.59975     48.22401
45.55917     41.50041     39.10435     32.05259
  3601347.54 |      47.17219     49.11388     47.21711     45.40845     40.65339
39.91207     38.03960     33.98762     28.22738
  3601097.54 |      40.74178     41.77070     40.83817     39.29827     36.33934
34.98697     33.81522     28.88150     28.38796
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 389
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                 CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                 HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     510868.86    511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3606097.54 |       0.55865      0.50005
  3605847.54 |       0.61684      0.54595
  3605597.54 |       0.69898      0.62654
  3605347.54 |       0.89767      0.72399
  3605097.54 |       0.90054      0.85509
  3604847.54 |       1.21736      1.27757
  3604597.54 |       2.35156      1.30183
  3604347.54 |       1.57082      1.34418
  3604097.54 |       1.88358      1.63019
  3603847.54 |       3.09402      2.75729
  3603597.54 |       6.59876      4.61331
  3603347.54 |       7.46376      5.95350
  3603097.54 |       9.24243      7.04634
  3602847.54 |       8.04380      8.50607
  3602597.54 |       8.36557     10.45980
  3602347.54 |      23.54363     28.12811
  3602097.54 |      34.90072     31.67420
  3601847.54 |      30.72062     27.77550
  3601597.54 |      30.01494     25.11819
  3601347.54 |      26.19082     24.71891
  3601097.54 |      23.72051     23.18345

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 390
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                 CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                 HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                                  *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                            ** CONC OF TAC      IN MICROGRAMS/M**3
**

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         508226.78    3603955.63     1462.22611                     507708.67
3603932.32      274.08128
         506203.59    3603369.23       35.50348                     507919.87
3604794.52      103.04092
         507037.89    3604916.08      124.91804

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 391
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS1      ***
                                INCLUDING SOURCE(S):     AS1         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.45920 (16020408)     15.31076 (16120805)     18.23684
(16012908)     19.93109 (17020308)     21.09585 (17040507)
 3605847.5 |     16.06926 (15040607)     15.42365 (15010408)     16.12524
(16020408)     19.67241 (16120805)     23.72406 (16012908)
 3605597.5 |     17.06629 (15040607)     18.77331 (15040607)     19.84541
(15040607)     20.23706 (15010408)     21.49024 (16020408)
 3605347.5 |     16.15023 (16011704)     16.52206 (15040607)     18.66177
(15040607)     20.62486 (15040607)     23.62690 (15040607)
 3605097.5 |     16.81218 (15011519)     18.05167 (17122703)     19.63441
(17012508)     19.49085 (15011608)     21.14153 (15011608)
 3604847.5 |     22.47551 (15040307)     22.49979 (15040307)     20.53621
(15040307)     20.74304 (15011519)     24.42681 (17122703)
 3604597.5 |     19.45093 (17092707)     19.91727 (17092707)     21.96137
(15040307)     26.20606 (15040307)     30.24900 (15040307)
 3604347.5 |     19.77137 (16040507)     19.77437 (16040507)     20.19913
(16010305)     22.58050 (16010305)     26.29487 (15122708)
 3604097.5 |     17.24657 (17011708)     19.46115 (17011708)     20.89026
(17011708)     22.89641 (17011708)     25.50621 (16021605)
 3603847.5 |     18.79011 (17021608)     20.04924 (17021608)     22.10988
(15010808)     24.01555 (15010808)     27.67413 (15010808)
 3603597.5 |     17.42748 (17021608)     17.80567 (17021608)     19.36923
(15021102)     21.75150 (15021102)     23.79515 (15021102)
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 3603347.5 |     15.65681 (17022106)     17.18562 (17122908)     19.25156
(17122908)     20.99381 (17122908)     23.10354 (16121804)
 3603097.5 |     15.60927 (17021402)     16.79255 (17011719)     18.19860
(17011719)     21.12029 (15012720)     22.72068 (15022622)
 3602847.5 |     15.31350 (15022622)     16.15481 (17021302)     18.51975
(15020721)     19.78803 (16011702)     21.78018 (17120906)
 3602597.5 |     14.81593 (17120906)     16.13966 (17120906)     18.00835
(15092907)     22.88467 (15092907)     26.44899 (15092907)
 3602347.5 |     18.90010 (15092907)     21.70117 (15092907)     22.68688
(15092907)     21.05202 (15092907)     20.82110 (17010708)
 3602097.5 |     19.13720 (15092907)     16.72978 (15092907)     19.21538
(17092807)     24.11280 (17092807)     25.80460 (17092807)
 3601847.5 |     17.94432 (17092807)     21.63540 (17092807)     22.39435
(17092807)     26.67115 (15092707)     31.42150 (15092707)
 3601597.5 |     20.19571 (17092807)     23.01061 (15092707)     27.23561
(15092707)     27.15874 (15092707)     21.69258 (15092707)
 3601347.5 |     24.29358 (15092707)     25.26700 (15092707)     22.05410
(15092707)     15.56700 (15092707)     11.61901 (17122105)
 3601097.5 |     21.81780 (15092707)     17.05624 (15092707)     10.93630
(15092707)     10.38942 (17122105)     11.07477 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 392
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS1      ***
                                 INCLUDING SOURCE(S):     AS1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.36897 (17040507)     25.85370 (17040507)     27.18874
(17020108)     27.44259 (16121408)     43.81511 (16120208)
 3605847.5 |     25.05125 (17020308)     30.99048 (17040507)     31.74074
(17040507)     31.37398 (17020108)     32.40792 (16121408)
 3605597.5 |     26.26943 (16120805)     30.25223 (16012908)     32.40278
(17020907)     38.43111 (17040507)     37.14029 (17020108)
 3605347.5 |     25.41760 (15010408)     27.27870 (17010206)     35.46013
(16012908)     39.81189 (17020308)     42.71937 (17040507)
 3605097.5 |     24.33179 (15040607)     28.95274 (15040607)     33.22232
(15010408)     36.54128 (15011008)     47.97076 (16012908)
 3604847.5 |     24.51317 (17012508)     27.05304 (15011608)     32.34342
(16010821)     36.93514 (15012401)     44.66114 (15010408)
 3604597.5 |     27.63191 (15040307)     29.69037 (16122808)     30.81315
(15011519)     36.58374 (17012508)     44.22076 (15011608)
 3604347.5 |     29.94513 (17122422)     34.17269 (17122422)     36.81176
(16122806)     36.36176 (15020702)     45.39830 (16011108)
 3604097.5 |     29.08859 (16021605)     35.28137 (15020724)     39.65535
(15020724)     38.87041 (16120721)     42.75341 (16120721)
 3603847.5 |     32.01326 (15010808)     35.36005 (15010808)     37.52432
(15010808)     43.40254 (15010808)     48.96399 (15010808)
 3603597.5 |     27.37911 (15021102)     29.84850 (15021102)     33.03219
(16012807)     38.56691 (16012807)     48.08006 (15011603)
```

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 3603347.5 |     25.59777 (17021402)     29.07243 (17021402)     32.75170
(17011719)     39.32115 (15012720)     46.98338 (15022622)
 3603097.5 |     24.30529 (15022622)     28.64357 (15020721)     31.56685
(16011702)     38.29062 (15011506)     45.72326 (17122623)
 3602847.5 |     23.97456 (15011506)     28.85074 (15092907)     33.35953
(15092907)     37.32865 (17121503)     45.00281 (17010708)
 3602597.5 |     27.04424 (15092907)     27.13453 (16022405)     32.17321
(17092807)     36.96611 (17092807)     51.91593 (15092707)
 3602347.5 |     28.08655 (17092807)     30.67564 (17092807)     40.19577
(15092707)     42.20714 (15092707)     28.50150 (15092707)
 3602097.5 |     32.12441 (15092707)     36.10759 (15092707)     30.74186
(15092707)     19.57668 (17122105)     21.25045 (15121422)
 3601847.5 |     29.10744 (15092707)     20.53930 (15092707)     16.44719
(17122105)     17.98061 (15121422)     19.30208 (16121224)
 3601597.5 |     13.33098 (15092707)     13.95262 (15012201)     15.22712
(17012504)     16.55392 (16012302)     17.35088 (17121505)
 3601347.5 |     12.39494 (15012201)     13.17229 (17012504)     14.23194
(16012302)     14.92157 (17121505)     16.14583 (16121724)
 3601097.5 |     11.84579 (15021422)     12.56143 (16012302)     13.30279
(15012624)     14.16401 (16121724)     14.98135 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 393
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS1      ***
                                 INCLUDING SOURCE(S):     AS1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     45.61826 (16120208)     37.21456 (16010908)     64.77200
(17021308)     68.28308 (15021508)     68.16219 (17021320)
 3605847.5 |     49.42153 (16120208)     48.98003 (16120208)     48.98685
(15122808)     83.74495 (15021508)     76.10655 (15121303)
 3605597.5 |     38.93174 (16121408)     55.63859 (16120208)     51.77082
(15121708)     91.60756 (17013021)     86.37383 (15021508)
 3605347.5 |     47.41512 (17020108)     47.75848 (16121408)     61.25651
(16120208)     61.47854 (15121708)     67.69397 (15021508)
 3605097.5 |     51.97840 (17020907)     60.59371 (15013124)     70.11903
(16121408)     84.27405 (16120208)     86.08931 (16010908)
 3604847.5 |     52.94837 (16120805)     71.02712 (17020308)     82.25621
(17020601)    102.05198 (16021321)    134.56376 (16120208)
 3604597.5 |     53.48077 (15012401)     66.61457 (15010408)     88.64697
(16120805)    115.97538 (17020907)    158.93149 (17020108)
 3604347.5 |     52.04744 (16122808)     62.13455 (17012508)     80.35880
(15011608)    114.75400 (15121608)    177.26822 (16012908)
 3604097.5 |     52.57991 (15122708)     67.97299 (17122422)     88.01211
(15020702)    109.22595 (16011108)    151.09954 (17012508)
 3603847.5 |     54.09433 (15010808)     66.59742 (15010808)     82.24426
(15010808)    111.69190 (15010808)    161.07653 (15010808)
 3603597.5 |     55.98487 (17122908)     66.07982 (17122908)     84.16866
(17021402)    102.14262 (15012720)    141.83822 (15020721)
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 3603347.5 |     55.61352 (15020721)     63.01106 (17120906)     81.50145
(17122623)    109.32866 (17121503)    124.37864 (17121308)
 3603097.5 |     53.37014 (17121720)     63.31388 (17010708)     73.14060
(17121308)     80.82552 (17020107)     69.52228 (15121422)
 3602847.5 |     51.83472 (17121308)     61.75019 (15092707)     43.75025
(17122302)     49.43982 (17012504)     54.44960 (16121802)
 3602597.5 |     44.36411 (15092707)     33.59552 (17122105)     38.57162
(17021905)     40.54604 (16121802)     45.09378 (16122704)
 3602347.5 |     26.28371 (15012201)     29.19340 (16121224)     31.90540
(16121802)     34.89776 (16022007)     37.26105 (16020501)
 3602097.5 |     22.91360 (16121224)     25.07598 (16121802)     27.14784
(16021923)     29.56796 (16120304)     34.37934 (17022603)
 3601847.5 |     20.40663 (17121505)     22.79496 (17122106)     23.75963
(17012722)     28.75988 (17040807)     29.80671 (17122601)
 3601597.5 |     18.85919 (16121724)     20.15388 (16122704)     21.16980
(16020501)     24.46929 (17022603)     40.54004 (17020408)
 3601347.5 |     17.17581 (16022007)     18.22237 (15122919)     24.52400
(17040807)     24.24147 (15041007)     44.91672 (17020408)
 3601097.5 |     15.84794 (17012722)     21.05246 (17040807)     19.27189
(17022603)     29.42185 (17020408)     42.85910 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 394
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS1      ***
                                 INCLUDING SOURCE(S):     AS1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     30.74777 (15082706)     47.92021 (17022408)     16.88824
(17022408)     11.97382 (16091507)     39.85812 (17032607)
 3605847.5 |     70.53106 (17021508)     83.01733 (16120908)     41.65367
(17022408)     29.25247 (16010424)     85.62838 (17032607)
 3605597.5 |     89.35270 (17021508)     57.01462 (16121101)     58.96506
(17012203)     91.89140 (15010907)     84.82807 (17032607)
 3605347.5 |     63.51506 (17021508)     64.67179 (16021807)     64.25719
(17022408)     40.77561 (16091507)    101.12670 (17011124)
 3605097.5 |     96.23922 (15021508)    106.79498 (17070706)     39.78296
(17022408)     37.74539 (17032607)     28.89320 (15021124)
 3604847.5 |    156.33209 (15011121)    138.99111 (16020419)     53.99977
(15092607)     58.16303 (17032607)     14.53620 (15022208)
 3604597.5 |    256.81333 (16120708)    168.88462 (15021508)     76.41273
(15092607)     95.28001 (17032607)     39.33638 (16111708)
 3604347.5 |    245.79559 (17020108)    347.73271 (15121708)    179.97899
(15082706)    145.66300 (17032607)     69.97460 (15022723)
 3604097.5 |    255.58786 (15012401)    461.19571 (17020805)    779.81950
(17010917)    892.95805 (16120120)    322.67336 (17120708)
 3603847.5 |    266.52925 (17121406)    453.74946 (17011708)   1595.40126
(15012407)   2288.04486 (17020717)    253.22693 (17021904)
 3603597.5 |    236.16786 (17122623)    355.57735 (15011924)    503.70801
(15122919)    359.89358 (16022402)    137.32299 (16012617)
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 3603347.5 |    117.71312 (17122105)    151.66720 (16121724)    261.45878
(15011101)    369.41532 (16012904)    117.07950 (17020419)
 3603097.5 |     84.72488 (15120324)    113.15804 (17121706)    141.06461
(17020506)    208.02110 (17122218)    181.00806 (17122024)
 3602847.5 |     64.69667 (16120304)     86.36752 (17020408)     89.74790
(15012120)    107.76188 (15021621)    102.83605 (17010624)
 3602597.5 |     56.02815 (17121706)     83.20830 (17020408)     67.04027
(16122020)     77.90049 (16022704)     74.68221 (17011319)
 3602347.5 |     46.55308 (17020408)     58.31803 (17020408)     50.94038
(16022802)     61.33026 (16022704)     58.94985 (17123106)
 3602097.5 |     58.51262 (17020408)     38.64023 (15012823)     40.41209
(16012923)     48.73651 (17122922)     47.52499 (16012904)
 3601847.5 |     55.72746 (17020408)     32.63046 (17020506)     33.65151
(17020220)     40.28398 (17122922)     39.68281 (17121306)
 3601597.5 |     44.61835 (17020408)     28.24544 (15022601)     28.48953
(17020220)     34.03321 (17122922)     34.47152 (15021622)
 3601347.5 |     32.61805 (17020408)     24.49617 (15012120)     24.81799
(17020220)     29.47310 (17121519)     30.25554 (16112308)
 3601097.5 |     23.06093 (17111908)     21.75610 (16010605)     22.24701
(16121106)     26.00536 (17121519)     28.31469 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 395
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS1      ***
                                 INCLUDING SOURCE(S):     AS1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.44000 (17032607)     12.45328 (16071106)     10.06852
(16111708)      7.63432 (17020109)      5.39407 (17020109)
 3605847.5 |     13.62528 (16010705)     60.30069 (15122821)     15.02799
(16083007)      8.64193 (15022224)      8.54170 (16092207)
 3605597.5 |     57.57099 (15021924)     51.90428 (15052306)     28.44520
(15022122)     17.63353 (16092207)     10.44663 (17121809)
 3605347.5 |     78.57297 (15122821)     70.49941 (15092321)     69.36055
(16072606)     17.97975 (16092207)      9.87554 (17121809)
 3605097.5 |     25.78675 (16083007)     14.44179 (15022224)     22.57932
(16092207)     41.27380 (17090523)     12.85038 (15110508)
 3604847.5 |     15.24982 (16111708)     15.94428 (16092207)     12.97096
(17121809)     13.10861 (15022724)     16.07277 (15022818)
 3604597.5 |     22.34514 (16092207)     15.53121 (17121809)     11.37451
(15082707)     13.75737 (17032608)     20.79952 (17032608)
 3604347.5 |     31.55082 (15082707)     36.81295 (15022818)     38.69386
(17032608)     48.24613 (16040707)     42.95969 (16040707)
 3604097.5 |    116.40208 (16040707)     72.86648 (16040707)     31.66347
(16040707)     17.93994 (17082707)     16.63709 (17082707)
 3603847.5 |    119.62527 (15011221)     61.09755 (15122305)     36.05294
(17030408)     26.03617 (17030408)     20.31123 (17030408)
 3603597.5 |     70.66746 (15022408)     54.98402 (16011417)     44.73781
(15020117)     31.33824 (16012321)     23.62462 (15061907)
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 3603347.5 |     91.24518 (16013009)     82.55640 (16040807)    116.26277
(15022408)     39.80888 (16120918)     65.47057 (16011517)
 3603097.5 |     64.26440 (16040518)    207.04952 (17040307)    126.56426
(17121101)    135.69821 (15121020)    126.84371 (15022202)
 3602847.5 |    211.44422 (15020908)    105.21570 (16010421)     93.25351
(17122124)    117.86527 (17022804)     80.78991 (16121121)
 3602597.5 |     74.71688 (17122024)     89.22876 (17021408)     77.43719
(17011224)     74.16859 (17122124)     71.81563 (16121203)
 3602347.5 |     55.69971 (15021719)     68.86263 (17120621)     65.76665
(17021408)     57.96588 (17011224)     52.88574 (17122124)
 3602097.5 |     45.63114 (15022808)     43.91108 (17122024)     58.51045
(15020908)     52.01708 (16121022)     84.93124 (17011224)
 3601847.5 |     38.83387 (16022321)     37.46650 (16121220)     43.77979
(17120621)     46.05204 (17021408)     42.79882 (16121022)
 3601597.5 |     33.70464 (16011520)     37.76527 (15022808)     30.04051
(17122024)     38.77457 (17120621)     38.15922 (17021408)
 3601347.5 |     29.23050 (16122021)     34.64580 (15022808)     25.73173
(15021820)     29.26411 (17120621)     34.84321 (15020908)
 3601097.5 |     26.52479 (17031208)     25.28105 (15022808)     27.04827
(15022808)     22.82970 (17122024)     29.70896 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 396
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS1      ***
                                 INCLUDING SOURCE(S):     AS1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.94328 (16092207)      8.72122 (17121809)      7.37208
(17121809)      5.90125 (17032908)
 3605847.5 |      9.50986 (17121809)      8.04150 (17121809)      6.50182
(17032908)      6.44067 (15082707)
 3605597.5 |      8.85675 (17121809)      7.18860 (17032908)      6.90538
(15082707)      5.01733 (15082707)
 3605347.5 |      7.96304 (17032908)      7.17180 (15082707)      4.40976
(15082707)      5.96753 (17122309)
 3605097.5 |      7.03770 (15082707)      6.10913 (17122309)      9.66027
(17122309)     11.47948 (17122309)
 3604847.5 |     13.22797 (16082307)     13.56016 (17122309)     20.59758
(16040707)     28.46668 (16040707)
 3604597.5 |     30.99648 (16040707)     37.01032 (16040707)     31.79718
(16040707)     22.07594 (16040707)
 3604347.5 |     26.43913 (16040707)     13.35859 (16040707)     10.74736
(17082707)     10.98409 (17082707)
 3604097.5 |     16.16340 (16090707)     15.55927 (16090707)     14.48617
(16090707)     13.22976 (16090707)
 3603847.5 |     17.31674 (15062407)     15.84809 (15062407)     14.63406
(15062407)     13.61120 (15062407)
 3603597.5 |     22.07254 (16052106)     16.48276 (15061907)     14.51530
(17042907)     12.65267 (17042907)
 3603347.5 |     33.31800 (15120117)     15.18583 (15122221)      7.80539
(15061907)      8.36747 (15061907)
 3603097.5 |     31.55364 (15022408)     14.54966 (15022408)     11.55526
(17122709)     10.37195 (17122709)
 3602847.5 |     96.02812 (15121020)     35.93409 (15022408)     30.90894
(15022408)     18.82447 (15022408)
 3602597.5 |     54.52372 (17062906)     36.53686 (16040807)     39.65445
(16040807)     29.66820 (15022408)
 3602347.5 |     57.59459 (15013018)     65.80578 (15031607)     31.31861
(15062224)     67.39711 (16040807)
 3602097.5 |     92.03525 (17040307)     42.43263 (15013018)     40.56765
(16121203)     36.98179 (17123017)
 3601847.5 |     72.02333 (17011224)     35.57057 (16121120)     32.47540
(16121018)     31.84251 (16121203)
 3601597.5 |     37.15127 (15020618)     32.38967 (17011224)     31.94913
(16121120)     27.07995 (16013009)
 3601347.5 |     30.85227 (17121417)     27.57312 (16010421)     26.80855
(17011224)     26.31024 (16121120)
 3601097.5 |     28.43954 (17021408)     27.11681 (16121022)     24.18451
(16010421)     24.37127 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 397
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS1      ***
                                 INCLUDING SOURCE(S):     AS1         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      689.63865  (15010408)
507708.67   3603932.32      185.23808  (15122708)
        506203.59   3603369.23       41.43457  (15012720)
507919.87   3604794.52      134.20280  (15123006)
        507037.89   3604916.08       75.13323  (17020307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 398
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS2      ***
                                 INCLUDING SOURCE(S):     AS2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

Y-COORD (METERS)	X-COORD (METERS) 504118.86	504368.86	504618.86	504868.86	505118.86
3606097.5	13.44736 (16020408)	14.28698 (15011008)	17.19561 (16012908)	19.53430 (17020308)	19.98997 (17020308)
3605847.5	16.54551 (15040607)	15.52099 (15040607)	16.11554 (16020408)	17.98067 (15011008)	22.49748 (16012908)
3605597.5	16.41751 (15040607)	18.56763 (15040607)	20.23701 (15040607)	19.72624 (15040607)	21.20929 (16020408)
3605347.5	15.56845 (17012508)	15.88275 (15011608)	17.61013 (15040607)	20.12393 (15040607)	23.84289 (15040607)
3605097.5	16.16528 (16122808)	17.02552 (17010407)	19.09914 (17012508)	19.07159 (17012508)	20.72495 (15011608)
3604847.5	22.06958 (15040307)	22.84495 (15040307)	21.73116 (15040307)	20.54210 (16122808)	22.97481 (16122808)
3604597.5	19.02425 (17092707)	19.94324 (17092707)	20.41933 (17092707)	24.30082 (15040307)	29.03452 (15040307)
3604347.5	19.95199 (16040507)	20.27900 (16040507)	20.61189 (16040507)	21.31423 (16011421)	24.28090 (16011421)
3604097.5	16.62603 (17011708)	18.76449 (17011708)	20.27738 (17011708)	22.34987 (17011708)	24.95704 (17011708)
3603847.5	19.39733 (17021608)	20.70387 (17021608)	22.67655 (17021608)	23.79122 (17021608)	26.53545 (17122608)
3603597.5	15.91683 (17021608)	16.14071 (15021102)	18.39108 (15021102)	20.47015 (15021102)	22.22072 (15021102)
3603347.5	15.18418 (17122908)	16.86530 (17122908)	18.69346 (17122908)	20.18601 (17122908)	22.03712 (16010308)
3603097.5	14.64162 (17011719)	16.01620 (17011719)	17.36330 (15012720)	19.86766 (15012720)	21.26765 (16021602)
3602847.5	14.34461 (16021602)	15.30926 (16012803)	17.29846 (16012803)	18.77153 (16011702)	20.63037 (17120906)
3602597.5	14.22148 (17120906)	15.32132 (15011506)	18.31687 (15092907)	22.88253 (15092907)	25.95919 (15092907)
3602347.5	18.93663 (15092907)	21.43698 (15092907)	22.07723 (15092907)	20.16975 (15092907)	20.70054 (17092807)
3602097.5	18.51809 (15092907)	15.98205 (15092907)	19.22352 (17092807)	23.79267 (17092807)	25.10577 (17092807)
3601847.5	17.91224 (17092807)	21.35221 (17092807)	21.86659 (17092807)	26.34466 (15092707)	30.74936 (15092707)
3601597.5	19.75345 (17092807)	22.78140 (15092707)	26.77556 (15092707)	26.54482 (15092707)	21.13537 (15092707)
3601347.5	23.93799 (15092707)	24.76895 (15092707)	21.54267 (15092707)	15.18939 (15092707)	10.93905 (17122105)
3601097.5	21.35387 (15092707)	16.66190 (15092707)	10.68497 (15092707)	9.81783 (15022607)	10.58603 (15121422)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 399
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AS2 ***
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 505368.86	505618.86	505868.86	506118.86	506368.86
3606097.5	28.30577 (17040507)	28.09281 (17040507)	27.30871 (17020108)	26.84009 (16121408)	40.10220 (16120208)
3605847.5	25.09966 (17020308)	28.32749 (17040507)	33.13128 (17040507)	30.89804 (17020108)	31.24277 (16121408)
3605597.5	23.66635 (16011506)	29.36013 (16012908)	31.52786 (17020308)	37.96718 (17040507)	35.24961 (17020108)
3605347.5	24.30998 (15121608)	26.85016 (16020408)	31.70872 (16011506)	38.68852 (17020308)	40.21750 (15021008)
3605097.5	23.19412 (15040607)	28.74540 (15040607)	31.71127 (15121608)	35.34692 (16020408)	43.86919 (16012908)
3604847.5	24.02063 (17012508)	26.25348 (17012508)	30.95908 (15011608)	34.26380 (17012703)	42.41468 (15121608)
3604597.5	28.00481 (15040307)	28.64518 (16122808)	30.87845 (16122808)	35.28017 (17012508)	41.45339 (17012508)
3604347.5	27.80677 (15122708)	31.66201 (17122422)	34.18542 (16020401)	34.54645 (15020702)	41.73923 (16011108)
3604097.5	28.10683 (17011708)	33.73153 (17011708)	36.58488 (17011708)	36.68107 (16120722)	40.62902 (16120722)
3603847.5	30.63395 (17122608)	33.69016 (17122608)	35.75341 (17122608)	41.16827 (17122608)	46.52255 (17122608)
3603597.5	25.24415 (15021102)	27.66257 (16012807)	30.63815 (16012807)	35.77332 (17122908)	45.86587 (17122908)
3603347.5	24.12566 (16010308)	26.96564 (17011719)	30.58381 (17011719)	36.39898 (15012720)	42.66696 (16021602)
3603097.5	22.46633 (16021602)	26.55683 (16012803)	29.64970 (17120906)	35.72417 (15011506)	42.09972 (16021406)
3602847.5	22.61685 (15011506)	28.75831 (15092907)	32.41026 (15092907)	34.42988 (17122824)	41.46126 (17010708)
3602597.5	26.01441 (15092907)	25.20722 (17010704)	31.70140 (17092807)	35.63563 (15092707)	50.08487 (15092707)
3602347.5	27.66136 (17092807)	29.68522 (17092807)	39.21688 (15092707)	40.71510 (15092707)	27.46983 (15092707)
3602097.5	31.58344 (15092707)	35.14364 (15092707)	29.71008 (15092707)	18.50571 (17122302)	20.05408 (15121422)
3601847.5	28.32126 (15092707)	19.93580 (15092707)	15.40518 (17122105)	17.06637 (15121422)	18.31567 (16121224)
3601597.5	12.99114 (15092707)	13.13732 (15022607)	14.48355 (17012504)	15.69621 (16020405)	16.56970 (17121505)
3601347.5	11.65881 (15012201)	12.58315 (17012504)	13.53872 (16020405)	14.27885 (17121505)	15.17064 (15120324)
3601097.5	11.29931 (17021905)	11.98041 (16020405)	12.74028 (17121505)	13.51531 (15120324)	14.04524 (16021923)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 400
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AS2 ***
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

```
  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       506618.86               506868.86               507118.86
507368.86               507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     48.86487 (16120208)     35.68395 (15121708)     56.88835
(17021308)     72.69581 (15021508)     67.26450 (17010724)
 3605847.5 |     45.37064 (16120208)     54.14940 (16120208)     47.61458
(16010908)     78.12043 (15021508)     73.48722 (15121303)
 3605597.5 |     36.80179 (16121408)     51.39611 (16120208)     56.16418
(16120208)     85.17118 (17011603)     94.67290 (15021508)
 3605347.5 |     43.30397 (15121803)     46.40352 (17020108)     57.29085
(16120208)     62.26591 (15121708)     63.37029 (17021308)
 3605097.5 |     51.19924 (17020308)     55.82102 (15120308)     68.08986
(17020108)     79.21489 (16120208)     83.37947 (15121708)
 3604847.5 |     48.94234 (16020408)     66.96466 (16012908)     77.21509
(15021008)    103.05875 (17020108)    128.22721 (16120208)
 3604597.5 |     49.49699 (17121424)     62.08668 (15121608)     76.52089
(16020408)    114.27724 (17020308)    153.55388 (17020108)
 3604347.5 |     50.72049 (16122808)     58.24578 (17012508)     74.51108
(17012508)    100.64814 (15012401)    141.60914 (16012908)
 3604097.5 |     49.10268 (16011421)     61.67423 (16011421)     79.75056
(17020524)     96.37910 (15020702)    141.20550 (16122808)
 3603847.5 |     52.45335 (17122608)     63.97963 (17122608)     79.27206
(17122608)    105.22985 (17122608)    148.77481 (17122608)
 3603597.5 |     53.03280 (17122908)     61.12728 (16010308)     75.49537
(17011719)     92.28300 (16021602)    125.03275 (16011702)
 3603347.5 |     50.58940 (16012803)     57.68612 (17120906)     73.38711
(16021406)     96.48546 (17122824)    112.49642 (17121308)
 3603097.5 |     49.21441 (17121720)     58.00584 (17010708)     67.44566
(17121308)     72.73169 (16021107)     63.01838 (15121422)
 3602847.5 |     48.56410 (17121308)     59.24387 (15092707)     41.49829
(15092707)     45.51583 (17012504)     49.78460 (15013101)
 3602597.5 |     42.59602 (15092707)     30.99665 (16011206)     35.83214
(17021905)     37.17833 (15013101)     42.11712 (16122704)
 3602347.5 |     24.30436 (15012201)     27.32728 (17021905)     29.55996
(17121505)     32.05973 (17022221)     34.81535 (17011624)
 3602097.5 |     21.62558 (16121224)     23.63441 (17121505)     25.52862
(17010801)     27.82126 (16120304)     32.36780 (16011119)
 3601847.5 |     19.44691 (17121505)     21.48028 (17010801)     22.28761
(17012722)     27.48317 (17040807)     28.18303 (15021805)
 3601597.5 |     17.66728 (16121724)     19.14909 (16122704)     20.11252
(17011624)     23.05303 (16011119)     36.24264 (17020408)
 3601347.5 |     16.13059 (16022007)     17.31771 (16120304)     24.17405
(17040807)     23.11845 (15041007)     42.44135 (17020408)
 3601097.5 |     15.06730 (17012722)     19.69342 (17040807)     18.08767
(17040807)     26.08083 (17020408)     42.39451 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 401
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS2      ***
                                  INCLUDING SOURCE(S):     AS2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86               508118.86               508368.86
508618.86               508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.92492 (17070706)     41.91936 (17022408)     20.79824
(17022408)     13.04927 (16112208)     38.63963 (17032607)
 3605847.5 |     79.79877 (17021508)     98.51023 (16120908)     50.27300
(17022408)     33.90357 (15111919)     87.90610 (17032607)
 3605597.5 |     84.47124 (17021508)     54.58766 (16021807)     57.84374
(16120106)     65.14182 (15010907)     94.02341 (17032607)
 3605347.5 |     57.45660 (15021508)     62.92345 (15022206)     71.76529
(17022408)     34.32397 (16091507)    120.14098 (17120924)
 3605097.5 |     99.42296 (15021508)    135.97327 (16012808)     41.19057
(17022408)     26.12131 (16112208)     35.72380 (17032607)
 3604847.5 |    178.66877 (16010223)    164.65666 (15121303)     85.87220
(17022408)     41.61739 (17032607)     19.41464 (17032607)
 3604597.5 |    184.58236 (15120408)    173.93541 (15021508)     66.45556
(15013009)     82.54903 (17032607)     37.03517 (16111708)
 3604347.5 |    209.22103 (15120308)    304.51307 (15123008)    239.16283
(17102907)    241.41164 (17032607)     58.76096 (17022620)
 3604097.5 |    225.63279 (15011608)    407.32550 (16012908)    779.14136
(15121708)    931.20584 (16122307)    396.73242 (17120708)
 3603847.5 |    234.95233 (17122608)    395.07987 (17122608)   1113.66458
(17122608)   4356.45039 (15011320)    355.06087 (15061006)
 3603597.5 |    197.30806 (16021406)    292.67611 (17020106)    384.65687
(16122704)    376.38197 (16021308)    201.29376 (16013009)
 3603347.5 |    103.34252 (17122302)    133.47458 (15120324)    218.49707
(15022505)    313.82544 (17122218)    104.04963 (16022919)
 3603097.5 |     76.02074 (15120324)     98.77513 (17022103)    125.05127
(15012823)    185.37684 (16022219)    169.26603 (16121220)
 3602847.5 |     59.51576 (17012722)     75.53893 (16021904)     81.57681
(16011319)    100.36268 (17122205)     96.73008 (15021419)
 3602597.5 |     51.92414 (17022103)     80.66523 (17020408)     62.19558
(16010118)     73.77506 (17122205)     70.76378 (16122021)
 3602347.5 |     42.19140 (15021805)     63.05340 (17020408)     48.15613
(16122020)     57.29882 (17122205)     55.93470 (15020321)
 3602097.5 |     53.38200 (17020408)     41.27393 (17020408)     38.40997
(16022802)     45.98605 (17121519)     45.22139 (17121306)
 3601847.5 |     54.83067 (17020408)     30.96040 (17122619)     31.94256
(16012923)     38.04322 (17121519)     37.60191 (15021622)
 3601597.5 |     46.57037 (17020408)     26.53682 (16011319)     27.13079
(16012923)     32.39394 (15121123)     32.46470 (16112308)
 3601347.5 |     35.61746 (17020408)     23.07019 (15022601)     23.68810
(17010402)     28.04852 (15121123)     30.45321 (16112308)
 3601097.5 |     24.95114 (17020408)     20.75493 (16010118)     21.17232
(17010402)     24.71628 (15121123)     27.71035 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 402
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS2      ***
                                  INCLUDING SOURCE(S):     AS2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      509118.86              509368.86              509618.86
509868.86            510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     17.83588 (17032607)    12.93829 (15121322)     10.30619
(16111708)      7.75836 (17020109)     5.70413 (17020109)
 3605847.5 |     12.15067 (15021124)    63.98582 (15122821)     16.07215
(16083007)      7.39038 (17020109)     8.49298 (16092207)
 3605597.5 |     67.28658 (15021924)    61.74717 (17060105)     32.31671
(15092321)    17.21425 (15022123)    10.50796 (17121809)
 3605347.5 |     92.47252 (15033023)    78.85066 (16120518)     82.52150
(17022521)    19.04873 (16092207)    10.21076 (17121809)
 3605097.5 |     26.06298 (16083007)    11.57524 (15022224)     23.70770
(16092207)    48.90366 (17090523)    13.00477 (15110508)
 3604847.5 |     17.77754 (16111708)    16.49843 (16092207)     13.58369
(17121809)    11.68962 (15022724)    14.75645 (15022818)
 3604597.5 |     22.91294 (16092207)    16.46493 (17121809)     11.72363
(15082707)    14.44014 (17032608)    20.75696 (17032608)
 3604347.5 |     34.80291 (17012305)    33.54590 (15022818)     41.16963
(17032608)    50.93814 (16040707)    42.05950 (16040707)
 3604097.5 |    139.38034 (16040707)    71.83399 (16040707)     26.66193
(16040707)    18.95120 (17082707)    17.48562 (16090707)
 3603847.5 |    154.22053 (15061006)    80.56164 (15021202)     35.17490
(17030408)    24.69441 (17030408)    20.84349 (15062407)
 3603597.5 |     96.25169 (15022408)    47.22715 (17122117)     37.09742
(17010520)    29.63816 (15020117)    21.93766 (15061907)
 3603347.5 |    101.33891 (16013009)    67.69003 (16040807)    136.36907
(16100807)    38.92804 (15022408)    76.90691 (17040401)
 3603097.5 |     54.32211 (17020419)   210.79204 (17040307)    123.61187
(17022804)   140.43621 (17011308)   136.93159 (16121122)
 3602847.5 |    145.82942 (17120621)    94.99928 (16121022)     81.25840
(16121120)    92.85796 (16121203)    74.74776 (17121101)
 3602597.5 |     69.21255 (16121220)    85.71290 (15020908)     71.64029
(16010421)    67.08667 (16121120)    67.69310 (16122817)
 3602347.5 |     53.18156 (15011507)    58.71231 (17120621)     68.65486
(17021408)    53.90715 (16010601)    50.58142 (16121120)
 3602097.5 |     43.62212 (15021419)    41.45657 (17010406)     53.62244
(17120621)    49.34838 (17021408)    85.45122 (15011201)
 3601847.5 |     37.17553 (17011319)    36.30987 (15022808)     36.40612
(17120621)    44.63784 (15020908)    41.08186 (16121022)
 3601597.5 |     31.81120 (16122021)    38.27153 (15022808)     28.52008
(17010406)    36.97273 (17120621)    38.35786 (17021408)
 3601347.5 |     28.40814 (17031208)    30.51101 (15022808)     25.17035
(16121220)    25.60574 (16121008)    32.88708 (15020908)
 3601097.5 |     24.48196 (17031208)    23.92844 (17011319)     29.80778
(15022808)    21.81140 (16092807)    27.17927 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 403
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS2      ***
                                  INCLUDING SOURCE(S):     AS2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.02253 (16092207)     8.79516 (17121809)      7.55484
(17121809)      5.94032 (17032908)
 3605847.5 |      9.58131 (17121809)     8.25949 (17121809)      6.56016
(17032908)      6.51041 (15082707)
 3605597.5 |      9.12297 (17121809)     7.27442 (17032908)      7.00079
(15082707)      5.08592 (15082707)
 3605347.5 |      8.08821 (17032908)     7.29197 (15082707)      4.46548
(15082707)      6.16299 (17122309)
 3605097.5 |      7.17021 (15082707)     6.34024 (17122309)      9.96278
(17122309)     11.70530 (17122309)
 3604847.5 |     13.54135 (16082307)    13.86793 (17122309)     22.07973
(16040707)     29.60913 (16040707)
 3604597.5 |     33.17435 (16040707)    37.85779 (16040707)     31.16801
(16040707)     20.83119 (16040707)
 3604347.5 |     24.27825 (16040707)    11.65537 (16040707)     11.36077
(17082707)     11.37696 (17082707)
 3604097.5 |     17.11773 (16090707)    15.97516 (16090707)     14.53025
(16090707)     13.03413 (16090707)
 3603847.5 |     18.67837 (15062407)    16.96864 (15062407)     15.57864
(15062407)     14.42262 (15062407)
 3603597.5 |     21.07273 (15061907)    16.44968 (15061907)     13.44083
(17042907)     11.86350 (17042907)
 3603347.5 |     34.98233 (15091922)    13.60507 (17082908)      8.40383
(17122709)      6.72922 (15061907)
 3603097.5 |     37.85628 (15022408)    20.52761 (15022408)     11.53958
(17122709)     10.76211 (17122709)
 3602847.5 |    103.34114 (15121020)    37.78881 (16040807)     33.82661
(15022408)     23.46510 (15022408)
 3602597.5 |     63.82679 (15031607)    30.58598 (16040807)     40.32806
(16040807)     32.17580 (16040807)
 3602347.5 |     55.89587 (15013018)    67.32812 (17010220)     35.70403
(16071324)     60.20765 (16040807)
 3602097.5 |     92.46280 (17040307)    38.49235 (17122124)     39.14837
(16121203)     36.01629 (17022804)
 3601847.5 |     69.21836 (16010601)    33.68067 (17122518)     31.03696
(17122124)     30.05306 (16122817)
 3601597.5 |     35.04540 (16121022)    30.68071 (17011224)     30.03380
(17122518)     25.63955 (17122124)
 3601347.5 |     31.72502 (17021408)    24.62321 (16010421)     25.90280
(17011224)     24.73658 (17122518)
 3601097.5 |     27.91208 (15020908)    25.17969 (17021408)     22.26113
(16010421)     23.54383 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 404
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  AS2      ***
                                  INCLUDING SOURCE(S):     AS2         ,

                                                 *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      558.12234  (17012508)
507708.67   3603932.32      162.58948  (17011708)
        506203.59   3603369.23       38.38664  (15012720)
507919.87   3604794.52      165.62421  (15122808)
        507037.89   3604916.08       70.91309  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 405
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP1     ***
                                  INCLUDING SOURCE(S):     CBP1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      504118.86                504368.86                504618.86
504868.86             505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     14.27122 (15010408)     14.83001 (16020408)     17.62622
(16120805)     20.89762 (16012908)     21.97913 (17020308)
 3605847.5 |     17.76938 (15040607)     17.60707 (15040607)     17.23953
(15010408)     18.81001 (17010206)     23.50372 (16120805)
 3605597.5 |     15.59573 (15040607)     18.64177 (15040607)     21.67096
(15040607)     22.62635 (15040607)     23.50502 (15010408)
 3605347.5 |     16.86115 (17012508)     16.80726 (16011704)     18.13850
(15011608)     19.62343 (15040607)     25.22214 (15040607)
 3605097.5 |     19.67924 (15040307)     18.92900 (16122808)     20.17777
(15011519)     20.38783 (17012508)     21.91780 (16011704)
 3604847.5 |     20.98010 (15040307)     23.59914 (15040307)     24.62349
(15040307)     24.70507 (15040307)     26.23544 (16122808)
 3604597.5 |     17.67414 (17092707)     19.75439 (17092707)     21.80724
(17092707)     24.33078 (17122422)     28.45481 (16122806)
 3604347.5 |     20.32246 (16040507)     21.62270 (16040507)     23.22237
(16040507)     24.95089 (16040507)     27.12923 (16120721)
 3604097.5 |     17.52853 (15010808)     19.64524 (15010808)     20.90977
(16122719)     23.22160 (17121406)     26.36316 (17121406)
 3603847.5 |     21.28462 (17021608)     22.65564 (17021608)     24.78872
(17021608)     25.81108 (17021608)     28.01986 (17021608)
 3603597.5 |     16.45348 (16012807)     17.98216 (16012807)     20.40783
(16012807)     22.45630 (15011603)     24.45452 (15011603)
 3603347.5 |     16.09973 (16121804)     17.61660 (16121804)     19.81006
(17021402)     21.35280 (17021402)     23.59058 (17011719)
 3603097.5 |     15.77517 (16120824)     17.31916 (15022622)     18.64807
(15022622)     21.30053 (15020721)     22.83742 (15020721)
 3602847.5 |     15.44064 (15020721)     16.69803 (16011702)     18.90788
(17120906)     20.35623 (15011506)     24.46615 (15092907)
 3602597.5 |     15.99043 (15092907)     20.14826 (15092907)     23.81874
(15092907)     24.95432 (15092907)     22.91887 (15092907)
 3602347.5 |     21.08820 (15092907)     20.39139 (15092907)     17.46162
(15092907)     21.96879 (17092807)     27.06022 (17092807)
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 3602097.5 |     15.16142 (17092807)     20.27566 (17092807)     23.73446
(17092807)     23.87719 (15092707)     31.60784 (15092707)
 3601847.5 |     21.22658 (17092807)     20.79265 (17092807)     26.55939
(15092707)     29.45263 (15092707)     26.85521 (15092707)
 3601597.5 |     23.18652 (15092707)     26.44430 (15092707)     25.34476
(15092707)     19.89794 (15092707)     12.13823 (15092707)
 3601347.5 |     24.04540 (15092707)     20.50178 (15092707)     14.33353
(15092707)     10.78678 (17122105)     11.59481 (15012201)
 3601097.5 |     15.84797 (15092707)     10.09336 (15092707)      9.65180
(17122105)     10.42978 (15012201)     11.00220 (17012504)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 406
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP1     ***
                                  INCLUDING SOURCE(S):     CBP1        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      505368.86                505618.86                505868.86
506118.86             506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.45194 (17040507)     31.23405 (17040507)     29.16208
(17020108)     29.08597 (16121408)     41.33460 (16120208)
 3605847.5 |     27.13442 (16012908)     28.18433 (17020907)     35.83979
(17040507)     32.23891 (17020108)     34.24654 (16021321)
 3605597.5 |     24.93706 (17010206)     31.46548 (16012908)     36.20200
(17020308)     39.45229 (17040507)     37.54086 (15013124)
 3605347.5 |     26.94867 (15040607)     30.11642 (15010408)     33.62266
(15011008)     43.58284 (16012908)     46.19150 (17020907)
 3605097.5 |     24.82568 (15011608)     30.18103 (16012303)     34.38015
(15020622)     40.32329 (15010408)     46.60279 (16120805)
 3604847.5 |     25.12709 (15011519)     28.23158 (17012508)     34.51540
(16011704)     39.69346 (16010821)     47.39575 (15012401)
 3604597.5 |     27.67373 (15040307)     31.86638 (15040307)     33.38653
(16011108)     38.70728 (16122808)     46.32568 (17012508)
 3604347.5 |     31.24459 (16120721)     35.81498 (16010305)     39.25523
(15122708)     38.19051 (17122422)     46.78550 (16122806)
 3604097.5 |     30.34377 (17121406)     37.30827 (17121406)     41.88105
(17011708)     41.92102 (17011708)     46.93464 (17011708)
 3603847.5 |     30.68196 (16012620)     33.98134 (16012620)     36.10938
(16012620)     41.60478 (16012620)     46.44816 (16012620)
 3603597.5 |     28.32380 (17122908)     31.11361 (17122908)     34.15717
(16121804)     40.03453 (17021402)     50.24852 (17011719)
 3603347.5 |     26.35542 (15012720)     29.95684 (15022622)     32.85740
(15020721)     40.13627 (15020721)     48.29257 (17120906)
 3603097.5 |     24.96877 (17120906)     29.44412 (15011506)     32.86121
(17122623)     39.56805 (16121801)     46.95310 (17121503)
 3602847.5 |     28.58844 (15092907)     30.09186 (15092907)     31.80480
(17010708)     38.68040 (17092807)     48.73254 (15092707)
 3602597.5 |     24.63838 (17010708)     32.10402 (17092807)     36.22637
(15092707)     47.48299 (15092707)     42.58444 (15092707)
 3602347.5 |     29.54026 (15092707)     38.70801 (15092707)     38.28844
(15092707)     26.31606 (15092707)     23.50108 (15012201)
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 3602097.5 |     33.47232 (15092707)     27.24104 (15092707)     18.18775
(17122105)     19.51200 (15012201)     21.05091 (16121224)
 3601847.5 |     18.50382 (15092707)     15.19454 (17122105)     16.50752
(15121422)     17.87577 (16121224)     19.14052 (15012624)
 3601597.5 |     12.94334 (15012201)     13.98126 (17012504)     15.10507
(16020521)     16.40197 (15012624)     17.34215 (15120324)
 3601347.5 |     12.32393 (17012504)     13.06051 (16012302)     14.09074
(15012624)     14.95681 (15120820)     15.86520 (16021923)
 3601097.5 |     11.77906 (16012302)     12.45248 (15012624)     13.30678
(15120820)     13.99272 (16021923)     14.56463 (16122704)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 407
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP1     ***
                                 INCLUDING SOURCE(S):     CBP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     52.20260 (16120208)     39.73638 (16010908)     64.19585
(17021308)     74.59095 (15021508)     72.54763 (17021320)
 3605847.5 |     47.04252 (16120208)     58.58934 (16120208)     55.70117
(16010908)     87.58471 (16021523)     77.94957 (17010208)
 3605597.5 |     41.19114 (16021321)     53.62171 (16120208)     60.96771
(16120208)    107.90345 (17011603)     95.38625 (15021508)
 3605347.5 |     50.97629 (17020307)     53.18628 (17020108)     60.07666
(16120208)     70.53915 (15121708)     71.68463 (17021308)
 3605097.5 |     59.77425 (17020308)     67.31711 (17020601)     82.55966
(17020108)     86.20511 (16120208)    101.14584 (16010908)
 3604847.5 |     57.22680 (15010408)     74.44916 (16120805)     93.68969
(17020308)    124.20195 (17020108)    219.19693 (17013108)
 3604597.5 |     59.39576 (15011608)     71.80581 (16012303)     93.53950
(15010408)    142.07670 (16012908)    174.90079 (17020307)
 3604347.5 |     55.32205 (15020702)     67.77325 (16011108)     88.99713
(15011519)    132.96083 (15011608)    184.72997 (15121608)
 3604097.5 |     57.29788 (17011708)     73.75520 (16021605)     98.07004
(15020724)    117.59035 (16120721)    174.56624 (17122422)
 3603847.5 |     50.94954 (15021102)     64.27495 (15021102)     79.25096
(16012807)    111.45845 (16012807)    169.63417 (17122908)
 3603597.5 |     58.15472 (15012720)     68.71676 (15022622)     87.36225
(16011702)    108.31480 (17122623)    151.48837 (17010708)
 3603347.5 |     58.35756 (17122623)     65.15061 (17121720)     85.82549
(17010708)    111.54389 (17020106)     84.98324 (17122105)
 3603097.5 |     54.98302 (17010708)     63.61711 (15011924)     64.96607
(16021107)     58.29222 (15012201)     67.38453 (17121505)
 3602847.5 |     58.94124 (15092707)     38.08737 (15092707)     43.19309
(15121422)     48.15695 (17121505)     51.81944 (16122704)
 3602597.5 |     29.03275 (17122105)     33.29362 (17012504)     37.71744
(17121505)     39.32426 (16021923)     42.83205 (16020501)
 3602347.5 |     26.12312 (17021905)     28.76942 (17121505)     31.41484
(17010801)     33.62459 (16120304)     38.37656 (17022603)
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 3602097.5 |     22.58007 (17121505)     24.92855 (16121724)     26.00201
(17012722)     30.66846 (17040807)     32.95968 (17020408)
 3601847.5 |     20.46300 (16121724)     22.27145 (16122704)     23.03424
(17011624)     26.63402 (17022603)     44.67094 (17020408)
 3601597.5 |     18.56552 (16022007)     19.71095 (15122919)     25.49335
(17040807)     25.26528 (15041007)     47.96039 (17020408)
 3601347.5 |     16.83726 (17012722)     21.40436 (17040807)     20.50466
(17022603)     32.07125 (17020408)     43.92471 (17020408)
 3601097.5 |     15.51062 (17011624)     21.76258 (17040807)     21.75841
(15041007)     38.15532 (17020408)     36.39749 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 408
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP1     ***
                                 INCLUDING SOURCE(S):     CBP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.67078 (15013009)     54.06944 (17022408)     15.86042
(16112208)     19.95700 (17032607)     38.08372 (17032607)
 3605847.5 |     71.51661 (17021508)     84.17848 (16121101)     33.25214
(17022408)     37.79768 (16091507)     43.48815 (16031023)
 3605597.5 |     95.01804 (17021508)     67.48470 (16121101)     67.27940
(15122121)     94.14801 (15042602)     73.33705 (16031023)
 3605347.5 |     69.39019 (17021508)     71.79862 (16021807)     55.71944
(17022408)     49.23249 (16091507)     88.35744 (15092203)
 3605097.5 |    111.61160 (15021508)    103.01869 (17070706)     37.13689
(17022408)     65.92790 (17032607)     28.82633 (15121322)
 3604847.5 |    150.99084 (15122808)    143.21562 (17021508)     50.42300
(17022408)     85.83218 (17032607)     31.99596 (16111708)
 3604597.5 |    350.93952 (17013108)    201.61712 (15021508)     82.20901
(15092607)     89.21419 (17032607)     27.80950 (17020519)
 3604347.5 |    310.46684 (17020308)    471.86211 (15123008)    201.61973
(15022104)    143.18335 (15122318)     74.11573 (17012305)
 3604097.5 |    331.76672 (16011108)    624.41517 (15012401)   1923.98109
(15122808)   1486.22887 (16120221)    249.73379 (16040707)
 3603847.5 |    288.24258 (17011719)    509.81262 (17122623)   1372.34289
(15120820)   1063.84454 (17123017)    267.08750 (16010917)
 3603597.5 |    242.33669 (17020107)    228.93633 (15012624)    388.02161
(16010204)    202.81494 (15012817)    152.18649 (16013009)
 3603347.5 |    112.57702 (17121505)    144.39411 (17121706)    205.41724
(15012120)    260.00519 (16122021)     88.26050 (15010817)
 3603097.5 |     79.11721 (17012722)    102.95852 (17020408)    118.24970
(16122020)    165.35195 (17121306)    143.99921 (15011107)
 3602847.5 |     65.11579 (17121706)     92.04265 (17020408)     77.58251
(16012923)     89.30302 (17122218)     88.75254 (17010624)
 3602597.5 |     55.19483 (17020408)     56.84845 (17020408)     59.90174
(17020220)     67.54448 (17122218)     64.94007 (16022321)
 3602347.5 |     65.00438 (17020408)     44.04737 (17020506)     46.20975
(16121106)     54.56175 (15021621)     52.55808 (16122021)
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 3602097.5 |     58.18719 (17020408)     36.05063 (16011319)     37.12024
(16121106)     43.53955 (16022704)     43.14851 (16012904)
 3601847.5 |     44.34604 (17020408)     30.41432 (15012120)     31.86944
(15120902)     36.80022 (16022704)     35.90575 (15020405)
 3601597.5 |     30.56459 (17020408)     26.53974 (16010605)     27.77397
(15120902)     31.59629 (16022704)     32.00815 (17121306)
 3601347.5 |     23.43764 (17111908)     23.09414 (16010605)     24.89030
(15120902)     27.40972 (17122922)     28.19022 (15021622)
 3601097.5 |     20.21721 (17020506)     20.77590 (16122020)     22.64443
(15120902)     24.46164 (17122922)     26.75740 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 409
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP1     ***
                                INCLUDING SOURCE(S):     CBP1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.68194 (16032803)     19.40237 (16111708)      7.90835
(17020109)      6.93043 (17020109)      7.96644 (16092207)
 3605847.5 |     12.81437 (15121322)     57.56272 (15052306)     11.58526
(17091007)      8.01944 (16010706)      9.77121 (17121809)
 3605597.5 |     54.07144 (16111605)     51.36764 (15092321)     31.76011
(16100201)     21.21987 (17121809)     10.15849 (17121809)
 3605347.5 |     70.05440 (17060105)     69.99199 (16101307)     59.64018
(16123006)     16.16402 (17012305)      8.61429 (17032908)
 3605097.5 |     21.03435 (16083007)     14.27412 (16092207)     20.58146
(17012305)     37.20514 (17120708)     12.50622 (15110508)
 3604847.5 |     17.32927 (16092207)     16.12042 (17121809)     11.69354
(15082707)     11.19507 (16042804)     16.58738 (17032608)
 3604597.5 |     20.54489 (17121809)     13.60725 (15042418)     23.66491
(17032608)     28.30903 (16040707)     42.35215 (16040707)
 3604347.5 |     35.75397 (17032608)     54.71102 (16040707)     56.42083
(16040707)     31.57285 (16040707)     13.57375 (16040707)
 3604097.5 |     87.02490 (17032307)     54.79087 (16090707)     27.06239
(17091207)     20.60176 (16090707)     17.19677 (16090707)
 3603847.5 |    137.91781 (15012019)     83.28457 (17012817)     35.43974
(15061907)     27.81530 (15061907)     26.24725 (17042907)
 3603597.5 |    100.49242 (16040807)     60.20471 (15022408)     37.48765
(15122117)     29.24593 (16011417)     21.66755 (17011917)
 3603347.5 |     63.76655 (16013009)     52.73236 (16041107)    134.72329
(16040807)     49.06665 (15022408)     59.43358 (15111922)
 3603097.5 |     51.37522 (17020419)    215.70328 (17040307)    115.84693
(16121203)    112.24918 (17011308)    105.88084 (15121020)
 3602847.5 |    182.20490 (17120621)     90.71718 (16121022)     84.31636
(16121120)    120.31287 (16122817)     70.51163 (17123017)
 3602597.5 |     67.15599 (17122024)     76.83803 (15020908)     71.88222
(16010421)     69.91244 (16121120)     66.11432 (15013018)
 3602347.5 |     50.25941 (15021719)     59.95462 (17120621)     64.70018
(17021408)     53.73914 (16010421)     53.10410 (17122518)
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 3602097.5 |     43.85254 (15022808)     40.69860 (17122024)     52.89257
(15020908)     48.05829 (17121417)     76.90672 (15011201)
 3601847.5 |     35.83663 (16022321)     34.90378 (16121220)     38.66631
(17120621)     42.07665 (15020908)     42.55394 (16121022)
 3601597.5 |     31.20841 (16011520)     36.23974 (15022808)     28.29625
(17122024)     36.41479 (17120621)     36.56615 (17021408)
 3601347.5 |     27.55428 (16122021)     33.95115 (15022808)     24.10075
(15021820)     26.00165 (17120621)     32.72676 (15020908)
 3601097.5 |     26.05421 (17031208)     25.58976 (15022808)     26.11182
(15022808)     21.80190 (17122024)     27.74206 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 410
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP1     ***
                                INCLUDING SOURCE(S):     CBP1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      9.02047 (17121809)      8.25419 (17121809)      6.11665
(17032908)      6.15925 (15082707)
 3605847.5 |      9.09955 (17121809)      6.81418 (17032908)      6.80254
(15082707)      5.61734 (15082707)
 3605597.5 |      7.63976 (17032908)      7.37961 (15082707)      5.29072
(15082707)      4.14868 (17122309)
 3605347.5 |      7.74141 (15082707)      5.17765 (15051907)      7.22897
(17122309)      9.92179 (17122309)
 3605097.5 |      7.66277 (17122309)     11.46139 (17122309)     12.60657
(17122309)     20.45947 (16040707)
 3604847.5 |     17.23863 (16040707)     29.33325 (16040707)     33.52577
(16040707)     29.30334 (16040707)
 3604597.5 |     38.17262 (16040707)     25.58046 (16040707)     14.37016
(16040707)      8.68654 (17082707)
 3604347.5 |     13.91352 (17082707)     13.29505 (17082707)     12.37444
(16090707)     12.47907 (16090707)
 3604097.5 |     15.07928 (17030408)     13.93895 (17030408)     13.06106
(17030408)     12.31270 (17030408)
 3603847.5 |     21.16775 (17042907)     16.99585 (17042907)     14.66377
(15062407)     13.84337 (15062407)
 3603597.5 |     20.37366 (15020117)     13.53528 (15061907)     12.62466
(15061907)     11.33565 (15061907)
 3603347.5 |     29.75430 (17020318)     13.95735 (16011417)     10.18871
(17122709)      8.20400 (17122709)
 3603097.5 |     39.46627 (15022408)     29.98830 (15022408)     15.92003
(15022408)     10.36374 (17122709)
 3602847.5 |     80.83502 (17011308)     41.92472 (16040807)     32.49579
(15022408)     28.83174 (15022408)
 3602597.5 |     49.33376 (15011223)     21.76956 (16040807)     35.94748
(16040807)     35.49168 (16040807)
 3602347.5 |     64.82529 (16121018)     56.62534 (17010220)     28.40741
(16071324)     38.97544 (17011308)
```

```
 3602097.5 |     74.29160 (17040307)     40.73933 (17122124)     39.19803
(16122817)     37.09909 (17022804)
 3601847.5 |     68.18793 (16010601)     35.51093 (17122518)     32.18853
(17122124)     30.32380 (15013018)
 3601597.5 |     36.19993 (16121022)     30.84904 (17011224)     31.73362
(17122518)     25.96438 (17122124)
 3601347.5 |     30.14473 (17021408)     24.87773 (15020618)     25.90944
(17011224)     26.07198 (17122518)
 3601097.5 |     26.25732 (15020908)     25.69267 (17121417)     22.13477
(16010421)     24.10783 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 411
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP1     ***
                                INCLUDING SOURCE(S):     CBP1        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1119.93952  (15010808)
507708.67   3603932.32      211.66943  (17122608)
        506203.59   3603369.23       42.34586  (15020721)
507919.87   3604794.52      126.71801  (17020808)
        507037.89   3604916.08       85.53548  (17020907)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 412
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP2     ***
                                INCLUDING SOURCE(S):     CBP2        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     14.12541 (15010408)     14.86430 (16020408)     16.38704
(16120805)     20.12348 (16012908)     22.07539 (17020308)
 3605847.5 |     17.74558 (15040607)     18.18437 (15040607)     16.97268
(15010408)     18.73727 (16020408)     22.01900 (16120805)
 3605597.5 |     14.87388 (15011608)     17.78253 (15040607)     21.33021
(15040607)     23.13799 (15040607)     22.84291 (15010408)
 3605347.5 |     16.30051 (17012508)     16.69421 (17012508)     17.61483
(15011608)     19.19691 (15011608)     24.36149 (15040607)
 3605097.5 |     20.78203 (15040307)     19.32210 (16021108)     19.99399
(15011519)     19.62519 (15020201)     21.92069 (17012508)
 3604847.5 |     19.31693 (15040307)     22.32701 (15040307)     24.09344
(15040307)     25.16758 (15040307)     26.41353 (15040307)
 3604597.5 |     17.36353 (16010305)     18.72531 (15122708)     20.84353
(17092707)     23.61434 (17122422)     27.76729 (17122422)
 3604347.5 |     19.33423 (16040507)     20.76806 (16040507)     22.55331
(16040507)     24.55768 (16040507)     26.82529 (16040507)
 3604097.5 |     17.49598 (15010808)     19.62745 (15010808)     20.94730
(15010808)     22.92190 (15010808)     25.54337 (15010808)
 3603847.5 |     20.59234 (17021608)     21.81485 (17021608)     23.72115
(17021608)     24.56109 (17021608)     26.45360 (17021608)
 3603597.5 |     16.15444 (16012807)     17.52601 (16012807)     19.69652
(16012807)     21.91961 (15011603)     23.77597 (17122908)
 3603347.5 |     15.73617 (16121804)     17.34164 (17021402)     19.28392
(17021402)     20.82092 (17011719)     22.83227 (15012720)
 3603097.5 |     15.37881 (15012720)     16.94762 (15022622)     18.03269
(15022622)     20.87540 (15020721)     22.06006 (15020721)
 3602847.5 |     15.03804 (15020721)     16.28503 (16011702)     18.41115
(17120906)     19.79711 (15011506)     24.35484 (15092907)
 3602597.5 |     16.09265 (15092907)     20.08892 (15092907)     23.52121
(15092907)     24.43251 (15092907)     22.27673 (15092907)
 3602347.5 |     20.75192 (15092907)     19.94255 (15092907)     16.99340
(15092907)     21.68273 (17092807)     26.59891 (17092807)
 3602097.5 |     15.04060 (17092807)     20.02283 (17092807)     23.37598
(17092807)     23.37497 (15092707)     30.96602 (15092707)
 3601847.5 |     20.93625 (17092807)     20.51580 (17092807)     26.07191
(15092707)     29.02775 (15092707)     26.68778 (15092707)
 3601597.5 |     22.78451 (15092707)     26.05847 (15092707)     25.13141
(15092707)     19.93832 (15092707)     12.36249 (15092707)
 3601347.5 |     23.80237 (15092707)     20.45089 (15092707)     14.46605
(15092707)     10.54587 (17122105)     11.32119 (15012201)
 3601097.5 |     15.89841 (15092707)     10.25067 (15092707)      9.49552
(17122105)     10.24817 (15012201)     10.80556 (17012504)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 413
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP2     ***
                                INCLUDING SOURCE(S):     CBP2        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     25.54441 (17040507)     31.97530 (17040507)     27.42004
(17020108)     28.55520 (17020108)     35.29419 (16120208)
 3605847.5 |     26.76577 (16012908)     28.36491 (17020308)     34.65344
(17040507)     31.04929 (15013124)     35.01148 (17020108)
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 3605597.5 |     24.65822 (16020408)     29.56740 (16120805)     35.46640
(16012908)     37.80776 (17020907)     36.90592 (17020307)
 3605347.5 |     27.24634 (15040607)     28.97557 (15010408)     32.60034
(16020408)     40.46922 (16012908)     46.84994 (17020308)
 3605097.5 |     24.30857 (15011608)     29.73365 (16010821)     33.77819
(15012401)     38.65999 (15121608)     43.13687 (16020408)
 3604847.5 |     25.03388 (16122808)     26.99927 (15020201)     33.91700
(17012508)     39.31060 (15011608)     45.29677 (16012303)
 3604597.5 |     26.38342 (16122806)     30.36305 (15040307)     31.97617
(16011108)     37.73992 (16011108)     45.02110 (15011519)
 3604347.5 |     30.27113 (16120721)     34.62807 (16120721)     37.67304
(16010305)     37.24694 (15122708)     45.57030 (17122422)
 3604097.5 |     28.84938 (17121406)     35.61755 (17121406)     40.19443
(17121406)     40.09322 (17121406)     44.80802 (17011708)
 3603847.5 |     29.59481 (16012620)     32.51168 (16012620)     34.23909
(16012620)     39.54681 (15021102)     45.21638 (15021102)
 3603597.5 |     27.54900 (17122908)     29.91891 (17122908)     32.97279
(16121804)     38.63059 (17021402)     48.14600 (17011719)
 3603347.5 |     25.47938 (15012720)     28.90741 (15022622)     32.08623
(15020721)     38.63653 (16011702)     46.02064 (17120906)
 3603097.5 |     24.35725 (17120906)     28.51681 (15011506)     31.61200
(17122623)     37.97600 (16121801)     44.88056 (17121503)
 3602847.5 |     28.11661 (15092907)     29.24033 (15092907)     30.78790
(17010708)     37.75307 (17092807)     47.04489 (15092707)
 3602597.5 |     24.19034 (17092807)     31.45579 (17092807)     35.21786
(15092707)     46.27990 (15092707)     42.14839 (15092707)
 3602347.5 |     28.81405 (15092707)     37.81775 (15092707)     37.76396
(15092707)     26.50752 (15092707)     22.55634 (15012201)
 3602097.5 |     32.99161 (15092707)     27.19991 (15092707)     17.67717
(17122302)     18.97338 (15012201)     20.43821 (17021905)
 3601847.5 |     18.67265 (15092707)     14.84971 (17122105)     16.04737
(15121422)     17.32173 (16121224)     18.57369 (15012624)
 3601597.5 |     12.54335 (15012201)     13.60703 (15121422)     14.73816
(16020521)     15.96011 (15012624)     16.91492 (15120324)
 3601347.5 |     12.03950 (17012504)     12.80594 (16020521)     13.74387
(15012624)     14.54627 (15120820)     15.46481 (16021923)
 3601097.5 |     11.46054 (16012302)     12.16813 (15012624)     12.96515
(16121802)     13.69363 (17122106)     14.36224 (16122704)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 414
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP2     ***
                                 INCLUDING SOURCE(S):     CBP2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     53.77413 (16120208)     40.68445 (15121708)     53.03815
(15122808)     80.38711 (15021508)     74.83327 (17010724)
 3605847.5 |     39.86946 (16120208)     62.20599 (16120208)     54.26845
(16010908)     92.90794 (15120107)     77.15605 (15011120)
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 3605597.5 |     43.34479 (17020108)     45.11854 (16120624)     67.90420
(16120208)    107.58276 (16010908)    102.15832 (15021508)
 3605347.5 |     49.72247 (17020601)     54.01115 (17020108)     57.07584
(16120624)     68.06388 (15123008)     73.82390 (15122808)
 3605097.5 |     58.01778 (16012908)     65.24446 (17020907)     77.18459
(17020108)     78.26663 (16120624)    100.25010 (15121708)
 3604847.5 |     54.43191 (15121608)     64.91408 (16020408)     94.67372
(17020308)    113.47575 (17020307)    141.72103 (16120624)
 3604597.5 |     57.59781 (17012508)     70.35665 (15011608)     86.84379
(15121608)    121.46560 (16120805)    170.92104 (17020205)
 3604347.5 |     53.00940 (16122806)     62.98954 (15020702)     85.95592
(16122808)    124.64873 (17012508)    167.74181 (15012401)
 3604097.5 |     55.12522 (17011708)     71.28166 (17011708)     92.57799
(17011708)    111.73854 (15020724)    158.46036 (16010305)
 3603847.5 |     49.51713 (15021102)     61.11387 (16012807)     75.23468
(16012807)    104.99685 (17122908)    152.27545 (16121804)
 3603597.5 |     55.23219 (15022622)     63.90478 (15022622)     81.83365
(17120906)    100.26618 (17122623)    138.78219 (17010708)
 3603347.5 |     55.33584 (17122623)     61.70162 (17121720)     80.44919
(17010708)    103.74998 (17020106)     78.82426 (17122302)
 3603097.5 |     52.38408 (17121308)     60.35848 (15011924)     62.89997
(15092707)     54.69385 (15012201)     63.02101 (17121505)
 3602847.5 |     57.35023 (15092707)     38.40394 (15092707)     41.22017
(15121422)     45.63466 (17121505)     49.07510 (16022007)
 3602597.5 |     27.97416 (17122105)     32.00154 (17012504)     36.05201
(17121505)     37.52950 (17010801)     40.99397 (17011624)
 3602347.5 |     25.14836 (17021905)     27.67745 (17121505)     30.05295
(16121724)     32.34409 (17012722)     37.42432 (17121706)
 3602097.5 |     21.83731 (15012624)     24.12613 (16121724)     25.41309
(16122704)     28.47853 (17040807)     31.84728 (17122601)
 3601847.5 |     19.78889 (15120324)     21.53253 (16022007)     22.40037
(17011624)     25.72465 (17121706)     38.71335 (17020408)
 3601597.5 |     17.93690 (16022007)     19.08969 (17012722)     25.00878
(17040807)     23.88831 (15041007)     45.15032 (17020408)
 3601347.5 |     16.21969 (17012722)     19.33757 (17040807)     19.77748
(17040807)     27.40691 (17020408)     44.24028 (17020408)
 3601097.5 |     15.10227 (17011624)     22.02782 (17040807)     20.54182
(15041007)     34.72753 (17020408)     38.72528 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 415
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP2     ***
                                 INCLUDING SOURCE(S):     CBP2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.50815 (17021508)     47.65649 (17022408)     18.53753
(17022408)     13.91177 (16091507)     41.82900 (17032607)
 3605847.5 |     84.32535 (17021508)    102.96089 (16120908)     46.10818
(17022408)     32.91442 (16091507)     84.16764 (17032607)
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 3605597.5 |     87.93434 (17021508)     61.97136 (16021807)     67.62311
(17012203)    105.25753 (15010907)     79.10791 (17011124)
 3605347.5 |     69.73662 (15021508)     77.50071 (16021807)     72.35929
(17022408)     47.49336 (16091507)     94.50349 (17081424)
 3605097.5 |    119.32499 (17010917)    124.81192 (17021508)     44.84769
(17022408)     52.99661 (17032607)     26.63479 (15121322)
 3604847.5 |    162.29577 (16122108)    149.84863 (17010208)     67.80550
(15092607)     83.44496 (17032607)     30.88888 (16111708)
 3604597.5 |    317.50093 (17013108)    171.82568 (15021508)     86.28874
(15092607)    128.74618 (17032607)     39.49113 (16111708)
 3604347.5 |    290.56369 (16012908)    451.86939 (16121408)    271.23045
(17021508)    173.58041 (17121617)     89.22311 (17011903)
 3604097.5 |    289.27545 (17122422)    527.54453 (15011519)   1773.28277
(15121703)   2019.79732 (17020508)    294.39602 (15021203)
 3603847.5 |    253.27015 (15022622)    419.38187 (17122623)    880.59484
(16020521)   1375.59175 (15020618)    327.97294 (15012417)
 3603597.5 |    215.67690 (17020107)    199.04195 (17011920)    332.56395
(16121719)    212.90764 (17062006)    116.25892 (15021708)
 3603347.5 |    102.71767 (17011920)    120.33048 (16020501)    186.35159
(17020506)    250.72564 (17121306)     86.02137 (17012108)
 3603097.5 |     73.32250 (16122704)     92.51397 (16021904)    111.64209
(15012120)    160.02603 (17122218)    144.68459 (15021719)
 3602847.5 |     61.77887 (17121706)     92.41703 (17020408)     74.56763
(16122020)     87.53708 (15021621)     87.26847 (17021807)
 3602597.5 |     50.35010 (17122601)     67.09259 (17020408)     57.52430
(16022802)     66.17974 (16022704)     64.48512 (16122021)
 3602347.5 |     58.42996 (17020408)     42.32470 (15012823)     44.78473
(16012923)     53.54081 (16022704)     51.73864 (16012904)
 3602097.5 |     58.58584 (17020408)     35.20704 (17020506)     36.11283
(17020220)     43.23412 (17122922)     42.17501 (15020405)
 3601847.5 |     48.61665 (17020408)     29.58790 (15022601)     30.58504
(17020220)     36.20062 (17122922)     35.59563 (15021622)
 3601597.5 |     35.73126 (17020408)     25.90674 (15012120)     25.94076
(16121106)     30.97731 (17122922)     31.38586 (15021622)
 3601347.5 |     24.77533 (17020408)     22.60574 (15012120)     23.05495
(16121106)     27.07215 (17121519)     29.30973 (16112308)
 3601097.5 |     20.78245 (17111908)     20.37660 (16010605)     20.75715
(16121106)     24.11793 (17121519)     27.24734 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 416
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP2     ***
                                 INCLUDING SOURCE(S):     CBP2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.85444 (17032607)     17.56973 (16111708)      9.00804
(16111708)      7.35407 (17020109)      7.65999 (16092207)
 3605847.5 |     11.58379 (15121322)     59.87335 (15080402)     12.59243
(17091007)      8.58777 (16010706)      9.64962 (17121809)
```

```
 3605597.5 |     54.66482 (16111605)     53.56652 (15092321)     34.37500
(16100201)     20.74308 (17121809)     10.58002 (17121809)
 3605347.5 |     79.13775 (17060105)     74.25047 (16101307)     67.70222
(16021524)     16.31360 (17011903)      8.75323 (17032908)
 3605097.5 |     24.54780 (16083007)     14.17013 (16092207)     21.57842
(17011903)     39.70352 (17120708)     12.99680 (15110508)
 3604847.5 |     16.13464 (16010706)     17.12954 (17121809)     12.02483
(15082707)     11.99978 (16042804)     16.80156 (17032608)
 3604597.5 |     22.18122 (17121809)     14.15301 (15042418)     24.92173
(17032608)     29.78651 (16040707)     43.79444 (16040707)
 3604347.5 |     40.97434 (15022818)     59.32530 (16040707)     57.29911
(16040707)     29.94813 (16040707)     14.47422 (17082707)
 3604097.5 |     94.78677 (17032307)     59.81614 (16090707)     27.75011
(17030408)     22.32898 (17030408)     18.63554 (17030408)
 3603847.5 |    148.09041 (17012318)     84.92794 (16010417)     38.28861
(15061907)     32.79079 (15061907)     25.52348 (17042907)
 3603597.5 |     77.39761 (16040807)     70.78524 (15022408)     42.53314
(16021802)     32.03529 (17122117)     18.51178 (17011917)
 3603347.5 |     38.11068 (15122717)     60.87977 (16041107)    128.03763
(16040807)     49.12770 (15022408)     74.40142 (15022408)
 3603097.5 |     52.95118 (15010817)    192.26135 (17021621)    118.04143
(15013018)    118.61666 (15031607)    114.31898 (15121020)
 3602847.5 |    149.16995 (16121008)     92.23346 (17121417)     85.04644
(17122518)    112.99595 (15013018)     74.86742 (17022804)
 3602597.5 |     66.14202 (16121220)     75.03107 (15020908)     71.16448
(16121022)     70.87766 (17122518)     66.52916 (17122124)
 3602347.5 |     50.12302 (15022808)     48.54623 (17120621)     63.72852
(17021408)     50.87901 (16010421)     53.72805 (17122518)
 3602097.5 |     40.84694 (17021807)     40.00761 (15021820)     51.59168
(17120621)     50.18965 (17021408)     74.65701 (16010421)
 3601847.5 |     35.44996 (17011319)     36.09899 (15022808)     33.69327
(16121008)     42.19012 (15020908)     41.44213 (17121417)
 3601597.5 |     30.95750 (16122021)     37.20050 (15022808)     28.07384
(15011107)     34.33274 (17120621)     35.45199 (17021408)
 3601347.5 |     27.78609 (17031208)     29.79040 (15022808)     24.15020
(16121220)     24.42976 (16121008)     31.40069 (17120621)
 3601097.5 |     24.66259 (17031208)     23.30053 (16022321)     29.38308
(15022808)     21.63371 (15011107)     25.17521 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 417
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP2     ***
                                 INCLUDING SOURCE(S):     CBP2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.96516 (17121809)      8.54431 (17121809)      6.10239
(17032908)      6.17187 (15082707)
 3605847.5 |      9.44484 (17121809)      6.82757 (17032908)      6.87089
(15082707)      5.79712 (15082707)
```

```
 3605597.5 |      7.69965 (17032908)      7.52935 (15082707)      5.51235
(15082707)      4.12492 (17122309)
 3605347.5 |      8.00091 (15082707)      5.30283 (15051907)      7.26188
(17122309)     10.04255 (17122309)
 3605097.5 |      7.67654 (17122309)     11.62684 (17122309)     12.80599
(17122309)     21.12802 (16040707)
 3604847.5 |     17.94936 (16040707)     30.35991 (16040707)     34.15758
(16040707)     29.28078 (16040707)
 3604597.5 |     38.28472 (16040707)     24.83616 (16040707)     13.53901
(16040707)      9.15857 (17082707)
 3604347.5 |     14.48802 (17082707)     13.56329 (17082707)     13.12445
(16090707)     12.98473 (16090707)
 3604097.5 |     16.29504 (17030408)     14.76072 (17030408)     13.64170
(17030408)     12.73443 (17030408)
 3603847.5 |     22.38229 (17042907)     18.19733 (17042907)     14.93619
(17042907)     13.34711 (15062407)
 3603597.5 |     20.54595 (15020117)     12.16412 (15061907)     11.96191
(15061907)     11.15899 (15061907)
 3603347.5 |     31.95467 (17010617)     13.42650 (17122117)     10.95370
(17122709)      9.06100 (17122709)
 3603097.5 |     39.07908 (16040807)     34.81618 (15022408)     21.35271
(15022408)     10.14523 (17122709)
 3602847.5 |     88.71766 (17011308)     43.23033 (16040807)     33.07682
(16040807)     31.11865 (15022408)
 3602597.5 |     52.00574 (15010822)     15.38625 (16040807)     31.63062
(16040807)     37.01415 (16040807)
 3602347.5 |     54.11129 (17122124)     59.13826 (16122817)     30.75501
(16111407)     40.15698 (16120121)
 3602097.5 |     68.23487 (17021919)     39.75233 (17122124)     39.37715
(15013018)     36.34213 (17022804)
 3601847.5 |     65.77324 (16010421)     35.74528 (17122518)     30.48083
(17122124)     30.51449 (15013018)
 3601597.5 |     37.23226 (16121022)     30.54664 (16010421)     31.90018
(17122518)     24.11571 (17122124)
 3601347.5 |     31.19559 (17021408)     26.05914 (16121022)     25.29193
(16010601)     26.17916 (17122518)
 3601097.5 |     26.73364 (15020908)     25.99272 (17021408)     21.43693
(16121022)     23.37275 (16010601)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 418
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP2     ***
                                INCLUDING SOURCE(S):     CBP2        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      782.79896  (16012807)
507708.67   3603932.32      181.69902  (15021102)
        506203.59   3603369.23       40.72374  (16011702)
507919.87   3604794.52      137.13847  (17022107)
        507037.89   3604916.08       86.13883  (17020308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 419
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP3     ***
                                INCLUDING SOURCE(S):     CBP3        ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     14.23430 (15010408)     14.88400 (16020408)     17.06574
(16120805)     20.59973 (16012908)     22.12006 (17020308)
 3605847.5 |     17.80481 (15040607)     17.94622 (15040607)     17.16558
(15010408)     18.81403 (16020408)     22.92037 (16120805)
 3605597.5 |     15.06760 (15040607)     18.26119 (15040607)     21.58003
(15040607)     22.98194 (15040607)     23.33319 (15010408)
 3605347.5 |     16.65477 (17012508)     16.72287 (17012508)     17.93158
(15011608)     19.20516 (16010821)     24.90113 (15040607)
 3605097.5 |     20.31625 (15040307)     18.92745 (16122808)     20.20185
(15011519)     20.05766 (17012508)     21.94088 (17012508)
 3604847.5 |     20.22512 (15040307)     23.06616 (15040307)     24.47535
(15040307)     25.06242 (15040307)     25.95558 (16011108)
 3604597.5 |     17.55946 (16010305)     19.20022 (17092707)     21.41838
(17092707)     24.11350 (17122422)     28.03049 (16122806)
 3604347.5 |     19.89647 (16040507)     21.27290 (16040507)     22.98040
(16040507)     24.86676 (16040507)     27.02652 (15020724)
 3604097.5 |     17.57532 (15010808)     19.72083 (15010808)     21.01037
(15010808)     22.95988 (15010808)     25.81174 (17121406)
 3603847.5 |     21.00291 (17021608)     22.30948 (17021608)     24.34871
(17021608)     25.28442 (17021608)     27.35527 (17021608)
 3603597.5 |     16.35473 (16012807)     17.81147 (16012807)     20.12782
(16012807)     22.27662 (15011603)     24.14444 (15011603)
 3603347.5 |     15.96135 (16121804)     17.52911 (17021402)     19.61258
(17021402)     21.12400 (17011719)     23.26724 (17011719)
 3603097.5 |     15.61472 (16120824)     17.17891 (15022622)     18.38922
(15022622)     21.16198 (15020721)     22.52058 (15020721)
 3602847.5 |     15.27640 (15020721)     16.53290 (16011702)     18.71498
(17120906)     20.13446 (15011506)     24.46532 (15092907)
 3602597.5 |     16.07153 (15092907)     20.15770 (15092907)     23.72089
(15092907)     24.74718 (15092907)     22.64765 (15092907)
 3602347.5 |     20.95846 (15092907)     20.20456 (15092907)     17.25997
(15092907)     21.86785 (17092807)     26.88754 (17092807)
 3602097.5 |     15.12769 (17092807)     20.18594 (17092807)     23.60046
(17092807)     23.67371 (15092707)     31.35863 (15092707)
 3601847.5 |     21.11866 (17092807)     20.69203 (17092807)     26.36486
(15092707)     29.29886 (15092707)     26.83360 (15092707)
 3601597.5 |     23.02621 (15092707)     26.30029 (15092707)     25.28666
(15092707)     19.95896 (15092707)     12.27600 (15092707)
 3601347.5 |     23.96810 (15092707)     20.51538 (15092707)     14.42794
(15092707)     10.68907 (17122105)     11.48378 (15012201)
 3601097.5 |     15.90353 (15092707)     10.19148 (15092707)      9.59336
(17122105)     10.36116 (15012201)     10.92894 (17012504)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 420
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP3     ***
                                 INCLUDING SOURCE(S):     CBP3        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.16591 (17040507)     31.86215 (17040507)     28.49115
(17020108)     28.87646 (16021321)     38.50894 (16120208)
 3605847.5 |     27.15825 (16012908)     28.08916 (15122723)     35.57366
(17040507)     31.01970 (15013124)     33.87532 (16021321)
 3605597.5 |     24.80444 (16020408)     30.55923 (16120805)     36.03946
(17020308)     38.16438 (17020205)     37.08524 (15013124)
 3605347.5 |     27.24002 (15040607)     29.78999 (15010408)     32.75772
(16020408)     42.50691 (16012908)     46.61219 (17020308)
 3605097.5 |     24.68200 (15011608)     29.99025 (16010821)     34.26142
(15012401)     39.66721 (15010408)     44.10954 (15011008)
 3604847.5 |     25.00719 (16122808)     27.56842 (17012508)     34.24621
(17012508)     39.89468 (15011608)     46.59299 (15012401)
 3604597.5 |     26.64975 (15020702)     31.31251 (15040307)     32.82016
(16011108)     38.34344 (16122808)     45.54124 (15011519)
 3604347.5 |     30.96223 (16120721)     35.16772 (16010305)     38.40257
(16010305)     37.81474 (15122708)     46.53604 (17122422)
 3604097.5 |     29.76329 (17121406)     36.67635 (17121406)     41.31123
(17121406)     40.92131 (17011708)     46.00480 (17011708)
 3603847.5 |     30.27898 (16012620)     33.41745 (16012620)     35.36795
(16012620)     40.52494 (16012620)     45.93240 (15021102)
 3603597.5 |     28.06065 (17122908)     30.64824 (17122908)     33.71355
(16121804)     39.52872 (17021402)     49.46848 (17011719)
 3603347.5 |     26.01113 (15012720)     29.54652 (15022622)     32.60963
(15020721)     39.52438 (16011702)     47.38161 (17120906)
 3603097.5 |     24.73823 (17120906)     29.09043 (15011506)     32.35718
(17122623)     38.93680 (16121801)     46.11001 (17121503)
 3602847.5 |     28.41636 (15092907)     29.74414 (15092907)     31.41294
(17010708)     38.33962 (17092807)     48.09009 (15092707)
 3602597.5 |     24.42190 (17092807)     31.86520 (17092807)     35.82810
(15092707)     47.05663 (15092707)     42.56241 (15092707)
 3602347.5 |     29.25446 (15092707)     38.37782 (15092707)     38.15288
(15092707)     26.50892 (15092707)     23.09561 (15012201)
 3602097.5 |     33.31409 (15092707)     27.29539 (15092707)     17.95386
(17122302)     19.29741 (15012201)     20.78869 (17021905)
 3601847.5 |     18.63306 (15092707)     15.05958 (17122105)     16.32140
(15121422)     17.65032 (16121224)     18.91907 (15012624)
 3601597.5 |     12.77306 (15012201)     13.81002 (17012504)     14.96269
(16020521)     16.22993 (15012624)     17.18511 (15120324)
 3601347.5 |     12.21102 (17012504)     12.96333 (16020521)     13.95617
(15012624)     14.79640 (15120820)     15.71787 (16021923)
 3601097.5 |     11.64770 (16012302)     12.34245 (15012624)     13.14471
(15120820)     13.84513 (17122106)     14.51234 (16122704)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 421
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP3     ***
                                 INCLUDING SOURCE(S):     CBP3        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     53.48849 (16120208)     40.31291 (15121708)     58.61589
(17021308)     78.41236 (15021508)     73.44563 (17021320)
 3605847.5 |     43.72346 (16120208)     61.08351 (16120208)     56.03749
(16010908)     90.32557 (16021523)     75.81927 (15121303)
 3605597.5 |     42.52000 (17020108)     49.71639 (16120208)     65.23046
(16120208)    106.83994 (17011603)    100.37329 (15021508)
 3605347.5 |     50.36915 (17020601)     54.20291 (17020108)     57.05477
(15121208)     68.47870 (15121708)     72.87476 (17022201)
 3605097.5 |     59.55927 (16012908)     66.86119 (17020205)     81.53315
(17020108)     79.48079 (16120208)    102.56108 (15121708)
 3604847.5 |     55.83288 (15121608)     70.40804 (16120805)     96.20817
(17020308)    116.60411 (17020108)    214.51839 (17013108)
 3604597.5 |     58.60686 (17012508)     71.42393 (16010821)     91.26498
(15121608)    133.39979 (16012908)    173.20710 (17020601)
 3604347.5 |     54.13834 (15020702)     65.76261 (16011108)     88.33706
(16122808)    128.46141 (17012508)    175.54121 (15121608)
 3604097.5 |     56.51555 (17011708)     72.99441 (17011708)     95.31795
(16021605)    115.13763 (15020724)    168.77506 (15122708)
 3603847.5 |     50.42439 (15021102)     62.90647 (15021102)     77.59123
(16012807)    108.34409 (17122908)    161.85443 (17122908)
 3603597.5 |     56.98093 (15012720)     66.70394 (15022622)     85.08662
(16011702)    104.90089 (17122623)    146.08794 (17010708)
 3603347.5 |     57.11893 (17122623)     63.75514 (17121720)     83.59251
(17010708)    108.16554 (17020106)     82.26853 (17122302)
 3603097.5 |     53.90322 (17121308)     62.28996 (15011924)     64.02849
(16021107)     56.74447 (15012201)     65.61721 (17121505)
 3602847.5 |     58.42291 (15092707)     38.41588 (15092707)     42.37286
(15121422)     47.14463 (17121505)     50.65232 (16022007)
 3602597.5 |     28.59307 (17122105)     32.76434 (17012504)     37.04490
(17121505)     38.53083 (16021923)     41.88894 (16020501)
 3602347.5 |     25.72289 (17021905)     28.33608 (17121505)     30.87387
(17010801)     33.04888 (17012722)     37.87457 (17121706)
 3602097.5 |     22.28706 (15012624)     24.63110 (16121724)     25.75069
(16122704)     29.78051 (17040807)     32.57852 (17122601)
 3601847.5 |     20.14430 (16121724)     21.92443 (16122704)     22.82073
(17011624)     26.00115 (17022603)     41.85032 (17020408)
 3601597.5 |     18.31904 (16022007)     19.42757 (15122919)     25.40403
(17040807)     24.68233 (15041007)     46.81291 (17020408)
 3601347.5 |     16.58789 (17012722)     20.45284 (17040807)     20.14481
(17022603)     29.80221 (17020408)     44.32804 (17020408)
 3601097.5 |     15.36274 (17011624)     22.00952 (17040807)     21.22910
(15041007)     36.58525 (17020408)     37.74040 (17020408)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 422
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP3     ***
                                 INCLUDING SOURCE(S):     CBP3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.40448 (15082706)     51.42119 (17022408)     15.80013
(17022408)     16.38505 (17032607)     40.32957 (17032607)
 3605847.5 |     79.04031 (17021508)     86.91644 (16121101)     39.64501
(17022408)     35.75877 (16091507)     42.07625 (17081606)
 3605597.5 |     93.46536 (17012508)     64.52988 (16121101)     66.34025
(17012203)    100.36583 (15042602)     72.99339 (16031023)
 3605347.5 |     68.96585 (17010208)     76.70423 (16021807)     64.82144
(17022408)     49.33219 (16091507)     89.48082 (17081424)
 3605097.5 |    114.80747 (15021508)    116.19876 (17021508)     41.99264
(17022408)     60.92789 (17032607)     29.63096 (15121322)
 3604847.5 |    149.07940 (15011206)    135.74759 (16011719)     57.57384
(15092607)     88.03530 (17032607)     31.98358 (16111708)
 3604597.5 |    355.73873 (17013108)    197.87890 (15021508)     92.26513
(15092607)    113.14866 (17032607)     31.60070 (16111708)
 3604347.5 |    309.60650 (16012908)    457.19076 (15121208)    256.14161
(17021508)    164.54674 (15121322)     80.15531 (17011903)
 3604097.5 |    309.71486 (15020702)    593.63956 (15011608)   1858.51195
(16120207)   1722.23191 (17011520)    262.71892 (15021203)
 3603847.5 |    272.01856 (15012720)    467.97344 (17122623)   1105.47620
(15012624)   1147.86121 (15020218)    289.56540 (17020318)
 3603597.5 |    230.71057 (17020107)    215.84183 (15012624)    363.21045
(15011101)    230.46036 (15012517)    115.92149 (16013009)
 3603347.5 |    108.47717 (17121505)    133.94420 (17121706)    198.04050
(16011319)    257.06099 (16012904)     88.16701 (15011017)
 3603097.5 |     76.63289 (17012722)     96.39369 (17021207)    116.02857
(16010605)    162.80460 (15021622)    144.93932 (16121220)
 3602847.5 |     64.15241 (17121706)     93.67457 (17020408)     76.26562
(16022802)     89.45467 (17122218)     88.24772 (17021807)
 3602597.5 |     51.35096 (16021904)     62.56189 (17020408)     58.79813
(16012923)     66.81328 (15021621)     65.11926 (16011520)
 3602347.5 |     62.18315 (17020408)     42.86404 (17020506)     45.75081
(17020220)     53.96581 (16022704)     52.28464 (17123106)
 3602097.5 |     58.86213 (17020408)     35.75125 (16011319)     36.67069
(17020220)     43.76594 (16022704)     42.76594 (16012904)
 3601847.5 |     46.77450 (17020408)     30.15509 (15022601)     30.97037
(16121106)     36.37981 (16022704)     36.03520 (17121306)
 3601597.5 |     33.26353 (17020408)     26.35247 (15012120)     26.37177
(16121106)     31.40157 (17122922)     31.88760 (15021622)
 3601347.5 |     24.00513 (17111908)     23.01784 (16010605)     23.25590
(16121106)     27.34832 (17122922)     28.76488 (16112308)
 3601097.5 |     20.15146 (17111908)     20.56941 (16122020)     21.19939
(15120902)     24.22235 (17122922)     27.22667 (16112308)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 423
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP3     ***
                                 INCLUDING SOURCE(S):     CBP3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.63722 (15022218)     18.56326 (16111708)      8.45926
(16111708)      7.14557 (17020109)      7.83046 (16092207)
 3605847.5 |     12.57718 (15121322)     57.14427 (15080402)     12.09362
(17091007)      8.37020 (16010706)      9.71893 (17121809)
 3605597.5 |     53.82008 (16111605)     51.48388 (15092321)     32.10385
(16100201)     21.00925 (17121809)     10.37149 (17121809)
 3605347.5 |     73.77960 (17060105)     70.65298 (16101307)     61.18437
(16021524)     15.50817 (17012305)      8.68603 (17032908)
 3605097.5 |     22.82026 (16083007)     14.29356 (16092207)     19.84973
(17011903)     37.51314 (17120708)     12.74923 (15110508)
 3604847.5 |     16.63671 (16010706)     16.63503 (17121809)     11.86389
(15082707)     11.50912 (16042804)     16.71686 (17032608)
 3604597.5 |     21.38400 (17121809)     13.89772 (15042418)     24.27734
(17032608)     29.02699 (16040707)     43.06408 (16040707)
 3604347.5 |     37.36841 (15022818)     56.91069 (16040707)     56.88112
(16040707)     30.79389 (16040707)     14.00796 (17082707)
 3604097.5 |     90.84090 (17032307)     57.43367 (16090707)     27.19184
(17091207)     20.76641 (17030408)     17.68706 (17030408)
 3603847.5 |    143.91871 (15012018)     74.79761 (15021718)     37.73881
(15061907)     30.40520 (15061907)     26.04749 (17042907)
 3603597.5 |     93.38192 (16040807)     67.44866 (15022408)     40.59873
(15122117)     31.51736 (16011417)     20.75947 (17011917)
 3603347.5 |     47.33837 (16013009)     57.85709 (16041107)    134.51902
(16040807)     50.01126 (15022408)     65.34547 (15022408)
 3603097.5 |     50.55070 (16010521)    204.64847 (17040307)    116.89978
(16121203)    108.92655 (17011308)    110.56915 (15121020)
 3602847.5 |    167.09815 (17120621)     94.65047 (16121022)     86.64463
(17122518)    118.32603 (15013018)     73.61587 (17022804)
 3602597.5 |     66.96056 (15011107)     77.70613 (15020908)     68.77599
(15020618)     71.88424 (17122518)     64.76689 (15013018)
 3602347.5 |     50.06489 (15011507)     55.11041 (17120621)     65.41998
(17021408)     53.37981 (16010421)     54.47017 (17122518)
 3602097.5 |     41.72213 (15022808)     40.57925 (15011107)     52.44337
(17120621)     48.78174 (17021408)     74.55282 (16010421)
 3601847.5 |     35.61263 (16022321)     34.72004 (16121220)     35.10019
(17120621)     42.70854 (15020908)     42.32405 (16121022)
 3601597.5 |     31.30651 (16011520)     37.30806 (15022808)     28.06663
(17122024)     35.79846 (17120621)     36.38417 (17021408)
 3601347.5 |     27.69240 (17031208)     32.27263 (15022808)     24.20190
(16121220)     24.91128 (16121008)     31.79740 (15020908)
 3601097.5 |     25.65067 (17031208)     23.61660 (16022321)     28.02965
(15022808)     21.73262 (17122024)     26.70818 (17120621)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 424
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP3     ***
                                INCLUDING SOURCE(S):     CBP3        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.99901 (17121809)      8.40030 (17121809)      6.11122
(17032908)      6.16701 (15082707)
 3605847.5 |      9.27370 (17121809)      6.82285 (17032908)      6.83805
(15082707)      5.70651 (15082707)
 3605597.5 |      7.67193 (17032908)      7.45531 (15082707)      5.40005
(15082707)      4.13701 (17122309)
 3605347.5 |      7.87075 (15082707)      5.23978 (15051907)      7.24528
(17122309)      9.98125 (17122309)
 3605097.5 |      7.66985 (17122309)     11.54275 (17122309)     12.70472
(17122309)     20.78753 (16040707)
 3604847.5 |     17.58547 (16040707)     29.83733 (16040707)     33.84106
(16040707)     29.29847 (16040707)
 3604597.5 |     38.24066 (16040707)     25.22197 (16040707)     13.96104
(16040707)      8.91962 (17082707)
 3604347.5 |     14.20403 (17082707)     13.43620 (17082707)     12.75159
(16090707)     12.73807 (16090707)
 3604097.5 |     15.69584 (17030408)     14.36227 (17030408)     13.36446
(17030408)     12.53602 (17030408)
 3603847.5 |     21.85618 (17042907)     17.64317 (17042907)     14.41462
(17042907)     13.62666 (15062407)
 3603597.5 |     21.03511 (15020117)     12.90897 (15061907)     12.34686
(15061907)     11.28939 (15061907)
 3603347.5 |     30.46822 (17020318)     13.91962 (17122117)     10.58727
(17122709)      8.63567 (17122709)
 3603097.5 |     38.88466 (15022408)     32.60156 (15022408)     18.55562
(15022408)     10.28047 (17122709)
 3602847.5 |     84.49815 (17011308)     42.98152 (16040807)     31.52492
(15022408)     30.16246 (15022408)
 3602597.5 |     50.32303 (15010822)     18.51411 (16040807)     34.02777
(16040807)     36.50009 (16040807)
 3602347.5 |     66.50871 (17122124)     57.43327 (17010220)     28.64423
(16111407)     38.65498 (17011308)
 3602097.5 |     68.44286 (17040307)     40.84467 (17122124)     39.46642
(16122817)     37.05094 (17022804)
 3601847.5 |     67.68301 (16010601)     36.13646 (17122518)     31.72736
(17122124)     30.75490 (15013018)
 3601597.5 |     37.25369 (16121022)     30.48910 (16010601)     32.21584
(17122518)     25.28766 (17122124)
 3601347.5 |     30.94889 (17021408)     25.13304 (16121022)     25.49947
(17011224)     26.41444 (17122518)
 3601097.5 |     26.69344 (15020908)     25.52519 (17121417)     21.74548
(15020618)     23.90411 (17011224)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 425
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP3     ***
                                INCLUDING SOURCE(S):     CBP3        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      925.24551  (17122608)
507708.67   3603932.32      194.49015  (17122608)
        506203.59   3603369.23       41.69425  (16011702)
507919.87   3604794.52      127.39557  (16060506)
        507037.89   3604916.08       86.01141  (17020308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 426
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP4     ***
                                INCLUDING SOURCE(S):     CBP4        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     14.32525 (15010408)     15.20164 (16020408)     16.38777
(15011008)     20.27915 (16012908)     22.63213 (17020308)
 3605847.5 |     17.91231 (15040607)     18.72497 (15040607)     17.65960
(15040607)     19.16425 (16020408)     21.87276 (16120805)
 3605597.5 |     15.21924 (15011608)     17.41945 (15040607)     21.35992
(15040607)     23.72740 (15040607)     23.18165 (15121608)
 3605347.5 |     16.63661 (17122703)     17.08453 (17012508)     17.98474
(16011704)     19.94005 (15011608)     24.11776 (15040607)
 3605097.5 |     22.02462 (15040307)     21.04890 (15040307)     20.33879
(16122808)     20.08136 (15011519)     22.52816 (17012508)
 3604847.5 |     19.37401 (17092707)     20.98367 (15040307)     23.50237
(15040307)     25.62008 (15040307)     28.22707 (15040307)
 3604597.5 |     18.90662 (16040507)     19.03052 (16010305)     20.83303
(15122708)     24.20279 (15122708)     28.34918 (17122422)
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 3604347.5 |     17.89542 (17011708)     19.49990 (16040507)     21.54704
(16040507)     23.95028 (16040507)     27.07495 (16021605)
 3604097.5 |     17.96498 (15010808)     20.24725 (15010808)     21.74676
(15010808)     23.96757 (15010808)     26.93124 (15010808)
 3603847.5 |     19.09171 (17021608)     19.98599 (17021608)     21.42619
(17021608)     22.17109 (16012620)     25.56443 (15021102)
 3603597.5 |     16.12471 (15011603)     17.61574 (15011603)     19.99757
(17122908)     22.43668 (17122908)     24.28547 (17122908)
 3603347.5 |     16.01885 (17021402)     17.47735 (17021402)     19.34919
(17011719)     21.07779 (15012720)     23.36850 (15022622)
 3603097.5 |     15.77410 (15022622)     16.65820 (15022622)     18.32358
(15020721)     20.98200 (15020721)     22.53764 (17120906)
 3602847.5 |     15.14056 (16011702)     16.63156 (17120906)     18.60529
(15011506)     22.65787 (15092907)     26.53648 (15092907)
 3602597.5 |     18.75695 (15092907)     21.88026 (15092907)     23.63675
(15092907)     22.30981 (15092907)     21.45632 (17010708)
 3602347.5 |     19.72351 (15092907)     17.42320 (15092907)     19.17365
(17092807)     24.27227 (17092807)     26.25158 (17092807)
 3602097.5 |     17.98155 (17092807)     21.88224 (17092807)     22.99880
(17092807)     27.24615 (15092707)     32.09167 (15092707)
 3601847.5 |     20.55566 (17092807)     23.35275 (15092707)     27.65116
(15092707)     27.51785 (15092707)     22.19551 (15092707)
 3601597.5 |     24.54138 (15092707)     25.58120 (15092707)     22.18168
(15092707)     15.58239 (15092707)     11.90376 (17122105)
 3601347.5 |     21.92556 (15092707)     17.03950 (15092707)     10.77139
(15092707)     10.38578 (17122105)     11.31783 (15121422)
 3601097.5 |     12.64252 (15092707)      8.98901 (17122105)      9.46882
(15012201)     10.25421 (15121422)     10.82499 (15021422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 427
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP4     ***
                                INCLUDING SOURCE(S):     CBP4        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     25.19344 (17040507)     32.46383 (17040507)     28.06883
(16120302)     29.64222 (17020108)     36.45648 (16120208)
 3605847.5 |     27.21320 (16012908)     29.42247 (17020308)     34.82594
(17040507)     32.12343 (15013124)     36.47917 (17020108)
 3605597.5 |     25.28435 (16020408)     29.65699 (16120805)     36.65635
(16012908)     38.87682 (17020907)     38.33891 (17020307)
 3605347.5 |     27.78533 (15040607)     29.72979 (15121608)     33.63312
(16020408)     41.06371 (16120805)     48.73531 (17020308)
 3605097.5 |     24.66295 (16011704)     30.73190 (15011608)     34.35033
(15012401)     39.66464 (15121608)     44.94278 (16020408)
 3604847.5 |     25.89053 (16122808)     28.24649 (15011519)     34.74272
(17012508)     39.92890 (15011608)     47.24588 (16010821)
 3604597.5 |     27.03856 (17122422)     30.56131 (16122806)     32.80129
(15020702)     39.21582 (16011108)     47.37649 (16122808)
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 3604347.5 |     31.35108 (15020724)     35.76968 (15020724)     38.64825
(16120721)     38.18596 (16010305)     47.08356 (15122708)
 3604097.5 |     30.71769 (15010808)     37.59223 (15010808)     42.01940
(15010808)     41.67846 (15010808)     46.20920 (15010808)
 3603847.5 |     29.90739 (15021102)     33.41231 (15021102)     35.70065
(15021102)     41.11146 (15021102)     46.76992 (16012807)
 3603597.5 |     27.81581 (16121804)     30.44838 (17021402)     33.58291
(17021402)     38.87293 (17011719)     49.51086 (15022622)
 3603347.5 |     26.00924 (15022622)     28.81529 (15020721)     32.75202
(16011702)     39.63134 (17120906)     47.39139 (17122623)
 3603097.5 |     24.72822 (15011506)     29.11080 (17122623)     33.77734
(15092907)     38.58709 (17121503)     46.49504 (17010708)
 3602847.5 |     27.45986 (15092907)     27.79118 (16022405)     32.34224
(17092807)     37.74396 (17092807)     52.87714 (15092707)
 3602597.5 |     28.00923 (17092807)     31.19242 (17092807)     40.44566
(15092707)     43.71875 (15092707)     31.10405 (15092707)
 3602347.5 |     33.42031 (15092707)     37.82542 (15092707)     31.52758
(15092707)     21.28139 (17122105)     22.92701 (15121422)
 3602097.5 |     29.73380 (15092707)     20.76626 (15092707)     17.56302
(17122105)     18.95624 (17012504)     20.46334 (16020405)
 3601847.5 |     13.68926 (17122302)     14.86247 (15012201)     16.07267
(17012504)     17.37737 (16012302)     18.33138 (16121802)
 3601597.5 |     12.82093 (15012201)     13.62700 (15021422)     14.72737
(16012302)     15.65090 (16121802)     16.83549 (16121724)
 3601347.5 |     12.05782 (15021422)     12.78604 (16012302)     13.38802
(16121802)     14.56236 (16121724)     15.41445 (16022007)
 3601097.5 |     11.46142 (17011920)     11.86154 (17121505)     12.93756
(16121724)     13.59289 (16021923)     14.24999 (17012722)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 428
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP4     ***
                                INCLUDING SOURCE(S):     CBP4        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     54.65538 (16120208)     41.91590 (15121708)     58.35570
(17021308)     79.87362 (15021508)     77.19479 (17021320)
 3605847.5 |     41.30923 (16120208)     63.07239 (16120208)     56.91298
(16010908)     92.70293 (15120107)     82.39386 (15121303)
 3605597.5 |     45.34333 (17020108)     47.15451 (16120624)     68.60969
(16120208)    110.10373 (17021107)    103.46679 (15021508)
 3605347.5 |     51.37063 (17020601)     56.72032 (17020108)     60.16964
(16120624)     71.90628 (15123008)     77.88918 (17022201)
 3605097.5 |     59.34951 (16012908)     68.13985 (17020907)     80.20686
(17020108)     82.91939 (16120624)    107.51772 (15121708)
 3604847.5 |     55.53144 (15121608)     68.78327 (16020408)     99.91949
(16012908)    121.38274 (17020307)    154.44214 (16120624)
 3604597.5 |     59.02267 (17012508)     74.11868 (15011608)     91.96962
(15012401)    124.19544 (16020408)    189.03835 (17020907)
```

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 3604347.5 |     55.50829 (17122422)     66.29665 (16122806)     90.66624
(16011108)    130.82806 (15011519)    186.80690 (15011608)
 3604097.5 |     55.91173 (15010808)     72.52339 (17121406)     96.70152
(17121406)    120.85451 (17011708)    175.64508 (17011708)
 3603847.5 |     50.85875 (15011603)     64.27635 (17122908)     79.58036
(17122908)    109.04956 (17021402)    161.90827 (15022622)
 3603597.5 |     55.42597 (15020721)     66.04706 (16011702)     85.59365
(17122623)    103.38601 (17121503)    141.98998 (17121308)
 3603347.5 |     56.17014 (16121801)     63.66331 (17010708)     80.83167
(17121308)     97.08980 (16021107)     79.64750 (15121422)
 3603097.5 |     53.42269 (17121308)     64.39407 (15092707)     47.15166
(17122302)     55.10364 (17021905)     62.99433 (15120324)
 3602847.5 |     49.00959 (15092707)     36.01756 (17122105)     41.20411
(17021905)     45.48436 (16121802)     48.64443 (17012722)
 3602597.5 |     28.10585 (15012201)     32.04572 (16121224)     36.00149
(16121802)     37.31436 (16122704)     42.91613 (17121706)
 3602347.5 |     25.10588 (16121224)     27.58716 (16121802)     29.86011
(16022007)     32.00617 (17011624)     36.73350 (15121007)
 3602097.5 |     21.68087 (16121802)     23.92248 (16021923)     25.27554
(17012722)     29.71836 (17040807)     38.24326 (17020408)
 3601847.5 |     19.78540 (17122106)     21.05871 (16122704)     24.37686
(17040807)     25.60252 (15121007)     46.99883 (17020408)
 3601597.5 |     17.93521 (16122704)     18.99103 (17011624)     23.57754
(17040807)     25.79524 (17020408)     47.16667 (17020408)
 3601347.5 |     16.26913 (15122919)     22.61891 (17040807)     20.20954
(15041007)     34.77765 (17020408)     41.21754 (17020408)
 3601097.5 |     17.32341 (17040807)     19.63638 (17040807)     21.82290
(15041007)     39.06231 (17020408)     33.03602 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 429
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP4     ***
                                 INCLUDING SOURCE(S):     CBP4        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     30.03256 (15082706)     55.01765 (17022408)     16.67566
(16112208)     22.91225 (17032607)     36.52886 (17032607)
 3605847.5 |     78.76151 (17021508)     91.29880 (16121101)     37.91210
(16060301)     39.85041 (16091507)     62.36426 (17032607)
 3605597.5 |     97.11998 (17021508)     70.97557 (16121101)     71.41396
(15122121)    104.62616 (16010501)     79.54634 (17081424)
 3605347.5 |     71.90042 (17010208)     77.92405 (16021807)     58.09726
(17022408)     55.01664 (17032607)    100.92548 (15021924)
 3605097.5 |    116.98893 (17010917)    119.23461 (17070706)     39.21731
(17022408)     72.43877 (17032607)     28.20225 (16111708)
 3604847.5 |    179.02864 (16122108)    153.61775 (16011719)     54.15206
(17022408)     87.61934 (17032607)     34.43224 (16111708)
 3604597.5 |    354.55636 (17013108)    209.28168 (15021508)     93.84685
(15092607)     69.50878 (17032607)     35.97392 (16010706)
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 3604347.5 |    306.70822 (16120805)    547.89100 (16121408)    261.32160
(17021508)    174.86909 (16121521)     88.08440 (15022724)
 3604097.5 |    325.46302 (15020724)    647.02352 (15020702)   3277.28458
(16021622)   1574.17121 (17011103)    279.94484 (17121001)
 3603847.5 |    270.32595 (17122623)    457.00104 (15011924)    898.69715
(15121007)   1097.87406 (16010421)    273.70786 (16010217)
 3603597.5 |    147.02643 (17122105)    197.19306 (16022007)    298.03053
(17020506)    215.12246 (15012517)     93.87390 (15021708)
 3603347.5 |    102.42253 (16121724)    127.78014 (15121007)    171.82726
(16122020)    220.84302 (17123106)     80.10836 (16011918)
 3603097.5 |     72.38061 (16020501)    105.57601 (17020408)    103.95750
(16012923)    146.10302 (17121306)    130.00735 (16121220)
 3602847.5 |     60.70903 (15121007)     79.68494 (17020408)     70.62506
(17020220)     81.74796 (17122218)     80.06421 (16022801)
 3602597.5 |     62.16050 (17020408)     50.86627 (15012823)     55.01898
(17020220)     62.64449 (15021621)     60.45969 (17011319)
 3602347.5 |     64.37034 (17020408)     41.20170 (16011319)     43.26600
(16121106)     50.97023 (15021621)     49.21115 (16122021)
 3602097.5 |     53.37072 (17020408)     34.21709 (15022601)     35.87957
(15120902)     41.08153 (16022704)     40.84564 (16012904)
 3601847.5 |     38.82410 (17020408)     28.94941 (15012120)     31.12807
(15120902)     34.97050 (16022704)     34.08292 (17121306)
 3601597.5 |     26.01930 (17020408)     25.37562 (16010605)     27.14669
(15120902)     30.18512 (16022704)     30.42536 (17121306)
 3601347.5 |     21.97268 (17020506)     22.18311 (16122020)     24.31211
(15120902)     26.24443 (17122922)     27.12749 (16112308)
 3601097.5 |     19.38426 (16011319)     19.86184 (16122020)     22.09993
(15120902)     23.49760 (17122922)     26.14873 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 430
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP4     ***
                                 INCLUDING SOURCE(S):     CBP4        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.62807 (16032803)     21.36230 (16111708)      8.29049
(17020109)      6.42303 (17020109)      8.55271 (16092207)
 3605847.5 |     14.44431 (16083007)     63.40757 (15052306)     10.47733
(17091007)      9.14406 (16092207)     10.35839 (17121809)
 3605597.5 |     58.71326 (16111605)     55.16914 (15092321)     33.21880
(16100201)     23.03879 (17121809)      9.22741 (17121809)
 3605347.5 |     77.98765 (15052306)     75.00624 (17022521)     65.20606
(17090805)     16.31890 (17012305)      8.89014 (15082707)
 3605097.5 |     18.22651 (17091007)     15.83195 (15022302)     18.49639
(17012305)     37.94379 (15122301)     12.21302 (15022818)
 3604847.5 |     21.42287 (16092207)     13.80677 (17121809)     10.65187
(15082707)     12.72584 (17032608)     21.97346 (17032608)
 3604597.5 |     16.71085 (17032908)     18.19897 (17032608)     35.06609
(17032608)     45.03851 (16040707)     42.98899 (16040707)
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 3604347.5 |     60.05920 (17032608)     70.04593 (16040707)     35.94888
(16040707)     16.39210 (17082707)     15.96954 (17082707)
 3604097.5 |     85.98284 (16122517)     52.04823 (16090707)     32.10545
(17030408)     24.19629 (17030408)     19.50971 (17030408)
 3603847.5 |    135.27975 (15022803)     73.92550 (15012018)     32.92640
(16120817)     32.06906 (15061907)     24.56948 (15061907)
 3603597.5 |     59.99659 (16040807)     70.51518 (16040807)     41.53574
(15022408)     27.69653 (15122117)     21.77275 (16011417)
 3603347.5 |     35.50475 (15122717)     58.15624 (16041107)    114.09155
(16040807)     51.83161 (16040807)     80.76729 (15022408)
 3603097.5 |     49.97071 (17010522)    177.90677 (17021621)    110.25850
(15013018)    118.68565 (15031607)    104.98520 (15121020)
 3602847.5 |    153.27316 (17120621)     87.45587 (16121022)     80.09089
(17122518)    104.50826 (15013018)     70.60118 (17022804)
 3602597.5 |     62.11359 (15011107)     72.67933 (15020908)     65.96748
(16121022)     67.25197 (17122518)     63.28324 (17122124)
 3602347.5 |     46.99570 (15011507)     51.25772 (17120621)     61.36299
(17021408)     49.45180 (16010421)     51.39366 (17122518)
 3602097.5 |     41.16890 (15022808)     38.40540 (15011107)     49.72659
(17120621)     47.18472 (17021408)     73.54450 (16010421)
 3601847.5 |     34.05546 (16022321)     33.11721 (16121220)     33.01832
(17120621)     40.90074 (15020908)     39.79869 (16121022)
 3601597.5 |     29.93195 (16011520)     36.08822 (15022808)     26.90115
(17122024)     34.19499 (17120621)     34.74509 (17021408)
 3601347.5 |     26.58052 (17031208)     32.02397 (15022808)     23.29020
(16121220)     23.92998 (16121008)     30.26388 (15020908)
 3601097.5 |     25.31674 (17031208)     23.30197 (15022808)     27.00251
(15022808)     21.09147 (16092807)     25.56205 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 431
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP4     ***
                                INCLUDING SOURCE(S):     CBP4        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      9.39776 (17121809)      7.61478 (17121809)      6.43156
(17032908)      6.33528 (15082707)
 3605847.5 |      8.33845 (17121809)      7.06511 (17032908)      6.72978
(15082707)      4.81548 (15082707)
 3605597.5 |      7.76004 (17032908)      6.91273 (15082707)      4.20079
(15082707)      5.85880 (17122309)
 3605347.5 |      6.69772 (15082707)      6.00085 (17122309)      9.41716
(17122309)     11.22241 (17122309)
 3605097.5 |     10.71206 (17122309)     13.19908 (17122309)     19.24171
(16040707)     27.21054 (16040707)
 3604847.5 |     28.85915 (16040707)     35.77712 (16040707)     32.02123
(16040707)     23.12728 (16040707)
 3604597.5 |     28.27844 (16040707)     17.65853 (17082707)     11.96727
(17032307)     10.41297 (17082707)
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 3604347.5 |     14.65532 (16090707)     14.68310 (16090707)     14.09967
(16090707)     13.19318 (16090707)
 3604097.5 |     16.70421 (17030408)     14.89669 (17030408)     13.59456
(17030408)     12.56203 (17030408)
 3603847.5 |     20.15338 (17042907)     17.15874 (17042907)     14.57372
(17042907)     12.40649 (17042907)
 3603597.5 |     17.65105 (16121017)     12.51055 (15020117)      9.67467
(15061907)      9.62391 (15061907)
 3603347.5 |     30.13014 (15021918)     14.21117 (16012417)     11.13684
(17122709)      9.53165 (17122709)
 3603097.5 |     41.47839 (16040807)     35.60197 (15022408)     24.34106
(15022408)     12.52475 (15022408)
 3602847.5 |     85.70541 (17011308)     41.66977 (16040807)     34.78325
(16040807)     30.91242 (15022408)
 3602597.5 |     51.06096 (15010822)     13.31186 (16040807)     28.99499
(16040807)     36.22327 (16040807)
 3602347.5 |     51.86730 (17122124)     59.55383 (16122817)     30.91399
(16111407)     40.89429 (17021119)
 3602097.5 |     66.74841 (17012905)     38.17640 (17122124)     38.02940
(15013018)     35.01876 (16121203)
 3601847.5 |     63.84613 (16010601)     34.53587 (17122518)     29.42181
(17122124)     29.48304 (15013018)
 3601597.5 |     35.87610 (16121022)     29.36139 (16010421)     30.90077
(17122518)     23.37256 (17122124)
 3601347.5 |     30.03287 (17021408)     24.94262 (16121022)     24.57301
(16010601)     25.44790 (17122518)
 3601097.5 |     25.97707 (15020908)     24.74700 (17021408)     20.91122
(15020618)     22.75891 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 432
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CBP4     ***
                                INCLUDING SOURCE(S):     CBP4        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      941.09285  (17122623)
507708.67   3603932.32      197.05182  (17122908)
        506203.59   3603369.23       41.74750  (17120906)
507919.87   3604794.52      149.47366  (16060506)
        507037.89   3604916.08       90.81633  (17020308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 433
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR1      ***
```

```
                                    INCLUDING SOURCE(S):     CR1         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.97628 (15011008)     15.27898 (16012908)     17.78285
(16012908)     18.67749 (17020308)     22.36086 (17040507)
 3605847.5 |     13.84603 (15040607)     14.56585 (16020408)     15.59814
(15011008)     19.17741 (16012908)     21.68815 (17020308)
 3605597.5 |     16.76323 (15040607)     17.25524 (15040607)     16.78959
(15040607)     17.93127 (16020408)     19.68275 (16011506)
 3605347.5 |     15.38263 (15040607)     17.47373 (15040607)     18.75270
(15040607)     19.32388 (15040607)     20.08723 (15121608)
 3605097.5 |     15.13989 (17012508)     16.55564 (17012508)     17.30117
(15011608)     18.32951 (15011608)     20.83077 (15040607)
 3604847.5 |     19.07414 (15040307)     17.64169 (16021108)     17.46465
(16122808)     19.13572 (17012508)     22.05303 (17012508)
 3604597.5 |     18.12779 (15040307)     20.77209 (15040307)     22.99640
(15040307)     24.61054 (15040307)     24.87213 (15040307)
 3604347.5 |     15.47931 (17092707)     17.40070 (17092707)     19.42353
(17092707)     21.29613 (17092707)     22.79021 (17092707)
 3604097.5 |     18.21264 (16040507)     19.97803 (16040507)     21.16226
(16040507)     22.49311 (16040507)     23.81444 (16040507)
 3603847.5 |     15.54198 (15010808)     16.88495 (15010808)     18.73601
(15010808)     20.18544 (15010808)     22.66648 (17121406)
 3603597.5 |     19.62095 (17021608)     20.52115 (17021608)     21.95273
(17021608)     23.14233 (17021608)     24.06316 (17021608)
 3603347.5 |     14.21877 (16012807)     15.58320 (16012807)     17.07819
(16012807)     18.64140 (15011603)     20.78123 (17122908)
 3603097.5 |     14.41721 (17122908)     15.58600 (16010308)     16.72534
(16010308)     18.62222 (17021402)     20.34354 (17011719)
 3602847.5 |     14.04184 (15012720)     15.11472 (16021602)     16.71117
(16021602)     17.53927 (16021602)     19.53427 (16012803)
 3602597.5 |     13.59062 (16012803)     14.75517 (16011702)     16.27369
(17120906)     17.71141 (15011506)     20.77451 (15092907)
 3602347.5 |     13.54426 (15011506)     17.33138 (15092907)     20.83184
(15092907)     22.79188 (15092907)     22.47250 (15092907)
 3602097.5 |     19.52929 (15092907)     19.71006 (15092907)     17.87738
(15092907)     18.12065 (17092807)     23.81942 (17092807)
 3601847.5 |     14.23724 (15092907)     17.11352 (17092807)     21.13434
(17092807)     22.46396 (17092807)     26.74562 (15092707)
 3601597.5 |     19.27536 (17092807)     20.16702 (17092807)     22.67967
(15092707)     27.10881 (15092707)     26.68993 (15092707)
 3601347.5 |     19.83953 (15092707)     24.02263 (15092707)     24.90058
(15092707)     21.34293 (15092707)     14.62852 (15092707)
 3601097.5 |     23.10313 (15092707)     21.23188 (15092707)     16.26681
(15092707)     10.09063 (15092707)     10.07532 (15022607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 434
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR1      ***
```

```
                                    INCLUDING SOURCE(S):     CR1         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.56746 (17040507)     23.22538 (17020108)     24.11760
(17020108)     26.02357 (16120208)     42.37473 (16120208)
 3605847.5 |     22.68617 (17040507)     29.43390 (17040507)     25.51052
(17040507)     28.82865 (17020108)     29.27355 (16120624)
 3605597.5 |     24.52284 (16012908)     26.77824 (17020308)     31.44394
(17040507)     31.94711 (17040507)     34.78861 (17020108)
 3605347.5 |     22.16776 (16020408)     25.30123 (16011506)     31.34961
(16012908)     31.80178 (17010508)     37.88839 (17040507)
 3605097.5 |     23.08299 (15040607)     25.61728 (15121608)     28.33353
(16020408)     34.10326 (16012908)     41.13110 (17020308)
 3604847.5 |     22.82410 (15011608)     24.61393 (16010821)     28.64978
(15040607)     33.11263 (15121608)     37.55240 (16020408)
 3604597.5 |     24.31391 (16122808)     26.10980 (17012508)     30.26105
(17012508)     33.40668 (15011608)     37.17903 (17012703)
 3604347.5 |     25.47822 (15040307)     30.20525 (15040307)     32.29955
(15040307)     35.61199 (16122808)     40.05868 (16122808)
 3604097.5 |     24.92272 (16040507)     28.85841 (16011421)     32.25316
(16011421)     34.61226 (15122708)     40.04654 (17122422)
 3603847.5 |     25.90118 (17121406)     29.01775 (17011708)     32.35004
(17011708)     37.57145 (17011708)     43.68079 (17011708)
 3603597.5 |     25.69587 (17021608)     26.70780 (17021608)     29.11433
(17121523)     33.27008 (17121523)     39.33971 (17121523)
 3603347.5 |     23.58876 (17122908)     26.67944 (17122908)     29.94286
(17122908)     34.19393 (16010308)     38.87527 (17021402)
 3603097.5 |     22.37802 (15012720)     25.31347 (16021602)     28.02132
(16021602)     32.42430 (16012803)     38.05850 (17120906)
 3602847.5 |     21.66848 (16011702)     24.72797 (17120906)     27.35061
(15011506)     33.43515 (15092907)     36.98105 (17121720)
 3602597.5 |     25.60452 (15092907)     28.18958 (15092907)     26.61566
(17122824)     31.57111 (17092807)     37.39400 (17092807)
 3602347.5 |     20.67437 (17010704)     27.37618 (17092807)     30.60372
(17092807)     39.54973 (15092707)     39.75743 (15092707)
 3602097.5 |     25.81346 (17092807)     31.94052 (15092707)     35.99956
(15092707)     28.51763 (15092707)     19.10096 (17122105)
 3601847.5 |     31.02837 (15092707)     28.40428 (15092707)     18.91048
(15092707)     16.19151 (15022607)     17.82208 (17012504)
 3601597.5 |     20.79034 (15092707)     12.90447 (17122302)     13.83028
(15012201)     15.21504 (17021905)     16.20692 (16020405)
 3601347.5 |     11.24910 (17122105)     12.17772 (15121422)     13.15235
(17021905)     13.85942 (16020405)     14.89742 (15013101)
 3601097.5 |     10.95814 (15121422)     11.56785 (17021905)     12.29743
(17011920)     13.05676 (15013101)     13.98252 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 435
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR1      ***
```

```
                                    INCLUDING SOURCE(S):     CR1         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     39.07927 (16120208)     32.97200 (16010908)     53.19581
(17021308)     53.82510 (15021508)     59.82011 (17021508)
 3605847.5 |     47.17968 (16120208)     40.25550 (16120208)     39.50675
(15122808)     67.66902 (15021508)     47.26173 (15021508)
 3605597.5 |     34.76751 (16120624)     52.40683 (16120208)     45.99928
(15121708)     59.50565 (17021308)     77.89056 (15021508)
 3605347.5 |     42.58833 (17020108)     42.45179 (16121408)     57.11864
(16120208)     54.96938 (16010908)     60.57297 (15021508)
 3605097.5 |     42.91186 (15021008)     51.79151 (17020108)     54.91348
(16121408)     72.18553 (16120208)     68.89138 (15122808)
 3604847.5 |     48.91038 (16012908)     53.88158 (17020308)     62.06509
(17020108)     74.81591 (16121408)     95.95880 (16120208)
 3604597.5 |     45.83401 (15121608)     53.68468 (16020408)     74.00178
(17020308)     83.04876 (15120308)    108.00787 (16121408)
 3604347.5 |     47.99426 (17012508)     54.86365 (15011608)     67.04145
(15121608)     85.64958 (16020408)    121.12224 (17020308)
 3604097.5 |     47.11903 (16020401)     57.40120 (16011108)     74.74666
(16122808)     93.99885 (17012508)    116.85811 (17012703)
 3603847.5 |     51.41223 (17011708)     61.61824 (17011708)     74.41062
(17011708)     92.97605 (16120722)    127.55063 (16011421)
 3603597.5 |     45.34229 (15021102)     54.78055 (15021102)     68.18727
(15021102)     88.17980 (17122908)    126.35964 (17122908)
 3603347.5 |     46.13566 (17011719)     53.98272 (16021602)     65.84545
(16012803)     85.80442 (15011506)    110.83255 (17121720)
 3603097.5 |     44.55236 (15011506)     51.65964 (16021406)     61.57599
(17122824)     79.90361 (17121308)     87.97991 (16021107)
 3602847.5 |     43.88983 (17010708)     50.51683 (17121308)     60.36973
(15092707)     44.24018 (17122302)     52.48880 (16121224)
 3602597.5 |     47.72689 (15092707)     42.72707 (15092707)     33.74315
(15022607)     37.87418 (16020405)     43.46382 (17010801)
 3602347.5 |     25.84753 (15092707)     26.36437 (15121422)     29.52742
(16020405)     32.83914 (15120324)     36.77059 (17012722)
 3602097.5 |     21.05662 (15121422)     23.48779 (16020405)     25.67345
(15120324)     28.40715 (16122704)     32.47972 (17022103)
 3601847.5 |     19.21750 (16020405)     21.04760 (15120324)     22.41695
(17022221)     24.72482 (17011624)     29.03245 (17022603)
 3601597.5 |     17.46044 (15013101)     18.69039 (16021923)     20.27665
(17012722)     25.97812 (17040807)     26.47877 (17020408)
 3601347.5 |     16.09545 (17010801)     16.92292 (16011202)     20.98185
(17040807)     21.08788 (17022603)     36.37698 (17020408)
 3601097.5 |     14.85609 (16122704)     15.76003 (17011624)     21.95018
(17040807)     22.16223 (15041007)     40.74759 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 436
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR1      ***
```

```
                                    INCLUDING SOURCE(S):     CR1         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     60.72723 (17020920)     59.26771 (17020823)     21.76462
(15123009)     13.24593 (16112208)     33.61652 (17032607)
 3605847.5 |     84.60988 (16012808)     44.01252 (16121101)     63.99936
(16020207)     72.65424 (15100707)     85.83829 (16010501)
 3605597.5 |     96.99005 (16012808)     42.58540 (16021807)     46.54696
(17022408)     53.72887 (15010907)     90.88279 (16010501)
 3605347.5 |     51.47071 (17021508)     50.63244 (16021807)    105.22083
(16120106)     86.65863 (15100707)     97.08471 (17032607)
 3605097.5 |     77.39811 (15021508)     99.68204 (17021508)     42.95826
(15092607)     25.17661 (16112208)     47.17442 (17032607)
 3604847.5 |    117.61870 (15120107)    111.36154 (17021508)     87.23257
(16031803)     34.00928 (16112208)     35.95186 (17032607)
 3604597.5 |    141.56905 (15121708)    198.07315 (17022504)     69.35591
(17022408)     49.46887 (16112208)     22.55433 (16083007)
 3604347.5 |    155.27102 (17020108)    204.16317 (16010908)    230.99260
(15010807)    206.29229 (15110104)     59.54435 (15122318)
 3604097.5 |    188.63925 (16012908)    304.15921 (17020108)    348.92000
(15120107)    443.71504 (16010501)    493.85207 (16121519)
 3603847.5 |    190.55023 (16020401)    347.35696 (17012508)    897.89645
(17020308)   1525.53955 (16120120)    680.72390 (17011103)
 3603597.5 |    184.76812 (16010308)    311.43827 (16021602)    814.34114
(17121308)   2104.94100 (17121808)    276.84179 (15022408)
 3603347.5 |    165.17336 (17121308)    154.98791 (15121422)    269.53175
(17022103)    393.42914 (15021621)    252.61106 (17112107)
 3603097.5 |     81.39342 (17021905)    107.96029 (17011608)    150.57336
(16010102)    197.85885 (16022219)    170.50909 (17010406)
 3602847.5 |     63.85138 (17010801)     84.62143 (16011119)     97.03809
(15012823)    122.06375 (17122205)    113.43148 (15021419)
 3602597.5 |     50.85974 (17011624)     69.62366 (17020408)     68.44343
(16011319)     85.32392 (17121519)     82.21147 (15011921)
 3602347.5 |     44.95248 (16011119)     70.84341 (17020408)     52.92506
(16010118)     64.54159 (15121123)     63.10062 (15020321)
 3602097.5 |     40.77318 (17020408)     53.35852 (17020408)     42.07278
(16122020)     51.27519 (15121123)     50.02430 (17121306)
 3601847.5 |     51.36957 (17020408)     34.71422 (17020408)     34.41466
(16122020)     42.01892 (15121123)     41.16717 (15021622)
 3601597.5 |     49.89875 (17020408)     28.25111 (17122619)     28.89358
(16022802)     35.26259 (15121123)     34.18356 (17122218)
 3601347.5 |     41.62856 (17020408)     24.07327 (16011319)     24.84953
(16012923)     30.14582 (15121123)     30.35650 (16112308)
 3601097.5 |     31.01700 (17020408)     21.12385 (15022601)     21.67629
(16012923)     26.18348 (15121123)     27.55360 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 437
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR1      ***
```

```
                                    INCLUDING SOURCE(S):     CR1         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     23.68853 (17032607)     24.71951 (15021924)      9.41166
(16111708)      7.28116 (17020109)      6.57291 (17020109)
 3605847.5 |     17.48208 (17032607)     65.27693 (16120120)     17.27824
(16083007)      7.90165 (17020109)      6.12540 (16092207)
 3605597.5 |    100.88781 (16121520)     64.32162 (15033023)     72.64733
(17032207)     37.67909 (16100201)      9.44855 (16081907)
 3605347.5 |    118.43276 (16120120)     91.76117 (15121319)    108.46417
(17021903)     20.18112 (16092207)     11.57953 (16092207)
 3605097.5 |     22.87366 (16111708)     11.17179 (17020109)     20.97295
(16092207)     86.07987 (15101307)     13.57661 (15082707)
 3604847.5 |     20.30194 (16111708)     10.32078 (17020109)     14.67331
(17121809)     11.41586 (15110508)     18.46771 (15082707)
 3604597.5 |     15.17685 (17020109)     17.52830 (17121809)     12.02669
(17032908)      9.34947 (15082707)     11.48179 (17122309)
 3604347.5 |     43.49906 (17121809)     32.17386 (15021121)     14.98837
(17032608)     27.77033 (17032608)     38.73484 (16040707)
 3604097.5 |    213.09156 (15041006)     55.73372 (17122309)     62.14900
(16040707)     42.47790 (16040707)     19.78510 (16040707)
 3603847.5 |    411.17016 (17122021)    157.31834 (17051623)     52.21552
(16090707)     22.27543 (16090707)     18.57953 (16090707)
 3603597.5 |     88.25656 (15020117)     64.19389 (16012017)     62.33009
(17012817)     39.96156 (17012817)     28.91205 (16052106)
 3603347.5 |     67.25161 (16040807)    149.07032 (15022408)    237.37624
(17021020)     61.31086 (15091922)    155.97956 (16013021)
 3603097.5 |    132.73480 (17091102)    160.64601 (16122817)    119.39696
(15121020)    127.61192 (17010923)    103.76658 (17022524)
 3602847.5 |    162.50753 (15020908)    111.28263 (17011224)     90.58464
(15013018)     83.85985 (17022804)     81.44979 (16040807)
 3602597.5 |     72.99931 (16121008)     99.37086 (17021408)     77.85389
(17011224)     66.42334 (17122124)     59.56563 (16121203)
 3602347.5 |     58.39112 (15011507)     73.31021 (17120621)     64.67095
(17021408)     57.94589 (17011224)     50.75353 (17122124)
 3602097.5 |     47.75366 (15021419)     43.25020 (16121008)     59.96091
(15020908)     49.18216 (16121022)     59.58788 (17021621)
 3601847.5 |     39.83878 (17011319)     37.70888 (16121220)     45.16603
(17120621)     49.14051 (17021408)     38.31577 (16010421)
 3601597.5 |     33.59238 (15011921)     37.64153 (15022808)     29.43590
(16121008)     39.41010 (17120621)     38.88835 (17021408)
 3601347.5 |     29.09241 (17123106)     32.52119 (15022808)     26.24058
(16121220)     30.19184 (17120621)     34.99515 (15020908)
 3601097.5 |     25.49757 (15020321)     24.77358 (16022321)     27.68428
(15022808)     21.89064 (17122806)     29.67061 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 438
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR1      ***
```

```
                                    INCLUDING SOURCE(S):     CR1         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      6.68071 (16092207)      7.82782 (17121809)      8.23700
(17121809)      6.29410 (17121809)
 3605847.5 |      8.22661 (17121809)      9.01054 (17121809)      6.76610
(17121809)      6.25515 (17032908)
 3605597.5 |      9.95315 (17121809)      7.31589 (17121809)      6.78344
(17032908)      6.37112 (15082707)
 3605347.5 |      7.96368 (17121809)      7.54734 (15082707)      6.41196
(15082707)      3.82181 (15082707)
 3605097.5 |     12.41646 (15110508)      6.07206 (15082707)      5.76441
(17122309)      8.93584 (17122309)
 3604847.5 |     14.74897 (15022818)     12.26691 (16082307)     12.50309
(17122309)     16.67050 (16040707)
 3604597.5 |     15.64635 (17032608)     24.81129 (16040707)     33.04242
(16040707)     31.98014 (16040707)
 3604347.5 |     41.96819 (16040707)     31.26747 (16040707)     18.67235
(16040707)      9.78526 (16040707)
 3604097.5 |     14.00298 (17082707)     13.70680 (17082707)     12.73046
(17082707)     12.57259 (16090707)
 3603847.5 |     15.46000 (16090707)     14.31088 (17030408)     13.43712
(17030408)     12.67075 (17030408)
 3603597.5 |     33.75604 (15062407)     15.90235 (15062407)     14.98862
(15062407)     14.15011 (15062407)
 3603347.5 |     72.82569 (15060206)     15.49743 (15020117)     12.15839
(15061907)     11.09619 (15061907)
 3603097.5 |     41.64917 (15111922)     12.83241 (17122709)     11.14163
(17122709)      9.14757 (17122709)
 3602847.5 |     83.18175 (16040807)     36.10721 (15022408)     22.32911
(15022408)     10.40589 (15022408)
 3602597.5 |     96.95889 (16120121)     43.86970 (16040807)     34.97104
(16040807)     31.87506 (15022408)
 3602347.5 |     53.73339 (16121203)     49.24794 (17022804)     68.11559
(17011308)     74.91824 (15121020)
 3602097.5 |     52.09928 (17122124)     38.21445 (16122817)     35.29927
(17022804)     33.88773 (17121101)
 3601847.5 |     48.16417 (17021621)     31.86450 (17122124)     31.15816
(15013018)     28.34891 (16121203)
 3601597.5 |     33.82276 (16010421)     30.92946 (17021621)     26.96827
(16012022)     26.30042 (16013009)
 3601347.5 |     29.56008 (17021822)     27.89706 (16010421)     26.21842
(17021621)     22.64921 (16012022)
 3601097.5 |     30.29863 (17021408)     25.83195 (16121022)     23.93482
(16010421)     22.97306 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 439
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR1      ***
```

```
                                  INCLUDING SOURCE(S):     CR1         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      442.07809  (15021008)
507708.67   3603932.32      151.18039  (16122808)
        506203.59   3603369.23       36.00718  (16010308)
507919.87   3604794.52      126.34349  (15120107)
        507037.89   3604916.08       57.96644  (17020108)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 440
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR2      ***
                                  INCLUDING SOURCE(S):     CR2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.91915 (15011008)     15.20046 (16120805)     17.81748
(16012908)     18.80830 (17020308)     22.15102 (17040507)
 3605847.5 |     14.04006 (15040607)     14.57564 (16020408)     15.54997
(15011008)     19.05017 (16012908)     21.68544 (17020308)
 3605597.5 |     16.77879 (15040607)     17.37977 (15040607)     17.03456
(15040607)     17.96955 (16020408)     19.65790 (15011008)
 3605347.5 |     15.19476 (15040607)     17.34681 (15040607)     18.72683
(15040607)     19.43510 (15040607)     20.17333 (15121608)
 3605097.5 |     15.09639 (17012508)     16.61978 (17012508)     17.24034
(15011608)     18.42643 (15011608)     20.73155 (15040607)
 3604847.5 |     19.37085 (15040307)     17.99599 (16021108)     17.61949
(16122808)     19.02532 (17012508)     22.14257 (17012508)
 3604597.5 |     17.82737 (15040307)     20.56393 (15040307)     22.94524
(15040307)     24.78838 (15040307)     25.33672 (15040307)
 3604347.5 |     15.63736 (16040507)     17.17509 (17092707)     19.27740
(17092707)     21.27566 (17092707)     22.95040 (17092707)
 3604097.5 |     18.04326 (16040507)     19.85308 (16040507)     21.10068
(16040507)     22.52021 (16040507)     23.96304 (16040507)
 3603847.5 |     15.65608 (15010808)     17.03134 (15010808)     18.93745
(15010808)     20.42758 (15010808)     22.77682 (15010808)
 3603597.5 |     19.53477 (17021608)     20.40617 (17021608)     21.80251
(17021608)     22.94620 (17021608)     23.80887 (17021608)
 3603347.5 |     14.26822 (16012807)     15.60485 (16012807)     17.06022
(16012807)     18.71915 (15011603)     20.95596 (17122908)
 3603097.5 |     14.38832 (16010308)     15.56152 (16010308)     16.70720
(17021402)     18.64165 (17011719)     20.34487 (17011719)
 3602847.5 |     14.05182 (15012720)     15.16704 (16021602)     16.68476
(16021602)     17.49602 (16012803)     19.53665 (16012803)
 3602597.5 |     13.59339 (16012803)     14.77919 (16011702)     16.31712
(17120906)     17.75717 (15011506)     21.21689 (15092907)
 3602347.5 |     13.75809 (15092907)     17.65489 (15092907)     21.03256
(15092907)     22.77400 (15092907)     22.18727 (15092907)
 3602097.5 |     19.56326 (15092907)     19.56588 (15092907)     17.56388
(15092907)     18.53061 (17092807)     24.04918 (17092807)
 3601847.5 |     13.94275 (15092907)     17.42721 (17092807)     21.28976
(17092807)     22.35256 (17092807)     27.09520 (15092707)
 3601597.5 |     19.38755 (17092807)     20.07493 (17092807)     22.99339
(15092707)     27.18733 (15092707)     26.44098 (15092707)
 3601347.5 |     20.12523 (15092707)     24.14761 (15092707)     24.77734
(15092707)     20.99909 (15092707)     14.21627 (15092707)
 3601097.5 |     23.06352 (15092707)     20.99594 (15092707)     15.92086
(15092707)      9.76795 (15092707)     10.07522 (15022607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 441
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR2      ***
                                  INCLUDING SOURCE(S):     CR2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.77174 (17040507)     23.10868 (17020108)     24.40555
(17020108)     25.50671 (16120208)     42.28966 (16120208)
 3605847.5 |     22.30082 (17040507)     29.47159 (17040507)     26.07874
(17040507)     29.10284 (17020108)     29.36077 (16120624)
 3605597.5 |     24.47520 (16012908)     26.96506 (17020308)     31.22333
(17040507)     32.48169 (17040507)     35.01183 (17020108)
 3605347.5 |     22.23278 (16020408)     25.15494 (16011506)     31.49337
(16012908)     32.34663 (17020308)     38.21269 (17040507)
 3605097.5 |     23.17441 (15040607)     25.71189 (15121608)     28.44978
(16020408)     33.71063 (16012908)     41.31583 (17020308)
 3604847.5 |     22.74906 (15011608)     24.75226 (15011608)     28.68504
(15040607)     33.15237 (15121608)     37.75556 (16020408)
 3604597.5 |     24.43281 (16122808)     25.87293 (17012508)     30.32891
(17012508)     33.40199 (15011608)     37.22370 (17012703)
 3604347.5 |     25.10130 (16020401)     29.96517 (15040307)     32.47498
(15040307)     35.49751 (16122808)     40.52009 (16122808)
 3604097.5 |     25.23226 (16040507)     28.81822 (16011421)     32.40420
(16011421)     34.62648 (15122708)     40.04440 (17122422)
 3603847.5 |     25.84134 (17121406)     28.75998 (17011708)     32.07665
(17011708)     37.34214 (17011708)     43.52640 (17011708)
 3603597.5 |     25.36570 (17021608)     26.28244 (17021608)     29.03058
(17121523)     33.09675 (17121523)     39.05876 (17121523)
 3603347.5 |     23.70412 (17122908)     26.69432 (17122908)     29.79674
(17122908)     34.11756 (16010308)     39.03247 (17011719)
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 3603097.5 |     22.41614 (15012720)     25.39640 (16021602)     27.84098
(16021602)     32.46097 (16012803)     38.28962 (17120906)
 3602847.5 |     21.65853 (16011702)     24.68691 (17120906)     27.40604
(17122623)     33.71120 (15092907)     36.91891 (17121720)
 3602597.5 |     25.84235 (15092907)     28.05257 (15092907)     26.54786
(17122824)     32.14077 (17092807)     37.15511 (17092807)
 3602347.5 |     20.84610 (17010708)     27.73252 (17092807)     30.42819
(17092807)     39.91960 (15092707)     39.23154 (15092707)
 3602097.5 |     25.67607 (17092807)     32.31320 (15092707)     35.81649
(15092707)     27.81476 (15092707)     19.07992 (17122105)
 3601847.5 |     31.01806 (15092707)     27.96666 (15092707)     18.29939
(15092707)     16.17775 (15022607)     17.79811 (17012504)
 3601597.5 |     20.31564 (15092707)     12.86982 (17122302)     13.83175
(15012201)     15.23499 (17021905)     16.13681 (16020405)
 3601347.5 |     11.22912 (17122105)     12.19934 (15121422)     13.14294
(17021905)     13.85311 (17011920)     14.88845 (15013101)
 3601097.5 |     10.95222 (15121422)     11.54442 (16121224)     12.29786
(17011920)     13.06546 (15013101)     13.98391 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 442
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     39.76849 (16120208)     33.17089 (16010908)     53.30758
(17021308)     54.68083 (15021508)     59.95998 (17021508)
 3605847.5 |     47.16200 (16120208)     41.18111 (16120208)     39.65014
(15122808)     68.12503 (15021508)     48.55693 (15021508)
 3605597.5 |     34.92951 (16121408)     52.50179 (16120208)     46.27783
(15121708)     58.93789 (17021308)     79.56613 (15021508)
 3605347.5 |     42.70617 (17020108)     42.88681 (16121408)     57.39173
(16120208)     55.03335 (16010908)     60.45028 (15021508)
 3605097.5 |     43.21164 (15021008)     51.61406 (17020108)     55.50792
(16121408)     72.97867 (16120208)     69.74812 (16010908)
 3604847.5 |     48.65522 (16012908)     54.99384 (17020308)     61.95376
(15121803)     75.63673 (16121408)     98.08008 (16120208)
 3604597.5 |     45.73723 (15121608)     54.12632 (16020408)     74.29494
(16012908)     83.92885 (15120308)    108.99291 (16121408)
 3604347.5 |     48.08247 (17012508)     55.25319 (15011608)     66.30619
(15121608)     86.81622 (16020408)    124.30222 (17020308)
 3604097.5 |     47.25523 (16020401)     57.18958 (17013020)     74.82055
(16122808)     93.95897 (17012508)    117.26093 (17012703)
 3603847.5 |     51.42038 (17011708)     62.01723 (17011708)     75.58876
(17011708)     93.60370 (16120722)    127.93116 (16011421)
 3603597.5 |     45.76311 (15021102)     54.94886 (15021102)     68.26166
(16012807)     89.79718 (17122908)    126.57260 (17122908)
 3603347.5 |     46.25427 (15012720)     53.97084 (16021602)     65.85979
(16012803)     86.09733 (15011506)    110.72956 (17121720)
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 3603097.5 |     44.43874 (15011506)     51.41799 (16121801)     62.17683
(17010708)     78.88492 (17121308)     85.00599 (16021107)
 3602847.5 |     44.04814 (17010708)     50.11458 (17121308)     60.03074
(15092707)     43.96279 (17122302)     52.20162 (16121224)
 3602597.5 |     47.92983 (15092707)     41.57147 (15092707)     33.64730
(15022607)     37.82923 (16020405)     43.41952 (17010801)
 3602347.5 |     24.83188 (15092707)     26.40788 (15121422)     29.46123
(16020405)     32.64997 (15120324)     36.60476 (17012722)
 3602097.5 |     21.02301 (17012504)     23.40872 (16020405)     25.62115
(15120324)     28.28470 (16122704)     32.54267 (17022103)
 3601847.5 |     19.13933 (16020405)     21.06864 (15120324)     22.36131
(17022221)     24.63487 (17011624)     28.92888 (17022603)
 3601597.5 |     17.42527 (15013101)     18.65488 (16021923)     20.19293
(17012722)     25.91074 (17040807)     26.92081 (17020408)
 3601347.5 |     16.05180 (17010801)     16.94921 (17012722)     21.24404
(17040807)     21.03386 (17022603)     36.67384 (17020408)
 3601097.5 |     14.83134 (16122704)     15.74834 (17011624)     21.81522
(17040807)     22.20352 (15041007)     40.83911 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 443
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     59.66554 (17020920)     59.26196 (17020823)     21.81777
(15123009)     13.28404 (16112208)     33.82903 (17032607)
 3605847.5 |     86.74420 (16012808)     44.22394 (16121101)     63.07230
(16120106)     71.86277 (15100707)     85.83254 (16010501)
 3605597.5 |     97.10485 (16012808)     43.29366 (16021807)     46.97162
(16120106)     54.33663 (15010907)     92.56865 (16010501)
 3605347.5 |     50.94713 (17021508)     51.13428 (16021807)    104.16679
(16120106)     84.53137 (15100707)     97.33646 (17032607)
 3605097.5 |     78.68400 (15021508)    124.08084 (16012808)     43.43554
(15092607)     25.40819 (16112208)     46.95086 (17032607)
 3604847.5 |    119.18565 (17022201)    110.95979 (17021508)     84.40356
(16031803)     34.39832 (16112208)     35.41147 (17032607)
 3604597.5 |    142.87156 (15121708)    202.49700 (17022504)     68.58234
(17022408)     50.18315 (16112208)     23.21334 (16083007)
 3604347.5 |    160.21034 (17020108)    207.28727 (16010908)    235.06886
(15010807)    201.36349 (15110104)     57.77400 (15122318)
 3604097.5 |    182.97287 (16012908)    308.08359 (17020108)    369.31759
(15120107)    459.36732 (16010501)    509.95198 (16121519)
 3603847.5 |    190.75622 (16020401)    350.28572 (16122808)    939.49959
(17020308)   1640.41017 (16120120)    743.43252 (17011103)
 3603597.5 |    181.54424 (16010308)    311.32392 (16011702)    765.36799
(16021107)   1913.23350 (17121808)    299.61770 (15022408)
 3603347.5 |    161.62033 (17121308)    154.01348 (15121422)    264.91124
(17022103)    382.01926 (15021621)    241.30283 (17081204)
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 3603097.5 |     80.85927 (17021905)    106.51944 (17011608)    147.95347
(16010102)    194.79178 (16022219)    169.00881 (17010406)
 3602847.5 |     63.12989 (17010801)     83.74468 (16011119)     95.71374
(15012823)    120.41105 (17122205)    112.36233 (15021419)
 3602597.5 |     50.38592 (17011624)     70.37308 (17020408)     67.72862
(16011319)     84.44003 (17121519)     81.32985 (15011921)
 3602347.5 |     44.56558 (16011119)     70.56969 (17020408)     52.47577
(16010118)     64.00577 (15121123)     62.59064 (15020321)
 3602097.5 |     41.39823 (17020408)     52.77747 (17020408)     41.80002
(16122020)     50.90898 (15121123)     49.69562 (17121306)
 3601847.5 |     51.58679 (17020408)     34.21722 (17020408)     34.19734
(16022802)     41.75640 (15121123)     40.90640 (15021622)
 3601597.5 |     49.76794 (17020408)     28.12760 (17122619)     28.73513
(16022802)     35.06814 (15121123)     34.04373 (17122218)
 3601347.5 |     41.34409 (17020408)     23.97239 (16011319)     24.74249
(16012923)     29.99743 (15121123)     30.32271 (16112308)
 3601097.5 |     30.71966 (17020408)     21.04991 (15022601)     21.59481
(16012923)     26.06950 (15121123)     27.50847 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 444
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     23.50416 (17032607)     23.72631 (15021924)      9.48789
(16111708)      7.32127 (17020109)      6.54214 (17020109)
 3605847.5 |     17.25031 (17032607)     65.12950 (16120120)     17.27425
(16083007)      7.89766 (17020109)      6.27835 (16092207)
 3605597.5 |    101.52634 (16121520)     63.67607 (15033023)     71.97465
(17032207)     37.06698 (16100201)      9.55263 (16081907)
 3605347.5 |    120.34745 (16120120)     93.17565 (15121319)    110.38310
(17021903)     20.34122 (16092207)     11.18826 (16092207)
 3605097.5 |     23.37021 (16111708)     11.21901 (17020109)     21.39310
(16092207)     86.51752 (15101307)     13.94192 (15082707)
 3604847.5 |     20.43159 (16111708)     10.55442 (16092207)     14.75032
(17121809)     11.76740 (15110508)     18.30759 (15082707)
 3604597.5 |     15.18384 (17020109)     17.70444 (17121809)     12.08705
(17032908)      9.12363 (15082707)     11.93379 (17122309)
 3604347.5 |     44.38950 (17121809)     33.02166 (15022724)     16.61945
(17032608)     28.39765 (17032608)     40.20656 (16040707)
 3604097.5 |    203.50860 (15121624)     59.82361 (16091707)     62.66078
(16040707)     40.24575 (16040707)     18.05849 (16040707)
 3603847.5 |    403.42310 (17122021)    152.60146 (15090204)     52.59336
(16090707)     21.99324 (16090707)     18.13615 (16090707)
 3603597.5 |     82.64819 (15020117)     66.53397 (16012017)     60.55031
(17012817)     41.94679 (17012817)     29.61833 (16052106)
 3603347.5 |     68.14421 (15030308)    146.40232 (15022408)    237.71731
(17021020)     59.38353 (15091922)    153.80889 (16013021)
```

```
 3603097.5 |    128.39923 (17082824)    161.56167 (16122817)    115.23957
(15121020)    128.90879 (17010923)    102.75827 (17022524)
 3602847.5 |    161.34644 (15020908)    109.85509 (17011224)     89.41936
(15013018)     85.43039 (17022804)     80.48842 (16040807)
 3602597.5 |     72.18658 (17010406)     98.94312 (17021408)     77.48878
(17011224)     66.44562 (17122124)     60.37897 (16121203)
 3602347.5 |     58.11234 (15011507)     72.42145 (17120621)     65.36575
(17021408)     57.91252 (17011224)     50.39298 (17122124)
 3602097.5 |     47.52482 (15021419)     42.65978 (16121008)     59.59610
(15020908)     49.25279 (16121022)     59.79570 (17011224)
 3601847.5 |     39.63893 (17011319)     37.53024 (16121220)     44.49730
(17120621)     48.84638 (17021408)     37.79216 (16010421)
 3601597.5 |     33.42989 (16122021)     37.70399 (15022808)     29.20305
(17122806)     39.34414 (17120621)     38.98845 (17021408)
 3601347.5 |     28.96145 (17123106)     32.27381 (15022808)     26.20344
(16121220)     29.72087 (17120621)     34.90445 (15020908)
 3601097.5 |     25.38693 (15020321)     24.67862 (16022321)     27.89380
(15022808)     21.77815 (17122806)     29.50863 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 445
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR2      ***
                                 INCLUDING SOURCE(S):     CR2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      6.78978 (16092207)      7.90320 (17121809)      8.22567
(17121809)      6.22163 (17121809)
 3605847.5 |      8.32605 (17121809)      9.00289 (17121809)      6.68033
(17121809)      6.26410 (17032908)
 3605597.5 |      9.95203 (17121809)      7.21221 (17121809)      6.77899
(17032908)      6.32870 (15082707)
 3605347.5 |      7.83492 (17121809)      7.59061 (15082707)      6.32765
(15082707)      3.71089 (15082707)
 3605097.5 |     12.49270 (15110508)      5.93645 (15082707)      6.00016
(17122309)      9.14930 (17122309)
 3604847.5 |     14.90609 (15022818)     12.41509 (16082307)     12.63210
(17122309)     17.51746 (16040707)
 3604597.5 |     15.96156 (17032608)     25.99081 (16040707)     33.55769
(16040707)     31.69975 (16040707)
 3604347.5 |     41.74855 (16040707)     30.16554 (16040707)     17.61530
(16040707)      9.08230 (16040707)
 3604097.5 |     14.26526 (17082707)     13.79136 (17082707)     12.69459
(17082707)     12.78771 (16090707)
 3603847.5 |     15.81595 (17030408)     14.57070 (17030408)     13.61637
(17030408)     12.79414 (17030408)
 3603597.5 |     32.69340 (15062407)     15.50684 (15062407)     14.68850
(15062407)     13.91907 (15062407)
 3603347.5 |     69.68868 (15051124)     16.01184 (15020117)     11.83406
(15061907)     10.93092 (15061907)
```

```
 3603097.5 |     41.06365 (15111922)     12.84078 (17122709)     11.26073
(17122709)      9.31492 (17122709)
 3602847.5 |     85.27274 (16040807)     36.63158 (15022408)     23.39883
(15022408)     11.17740 (15022408)
 3602597.5 |     97.29710 (16120121)     43.46592 (16040807)     35.84053
(16040807)     31.98507 (15022408)
 3602347.5 |     53.73444 (16121203)     62.08709 (17022804)     66.97849
(17011308)     74.76607 (15121020)
 3602097.5 |     51.42777 (17122124)     38.09148 (16122817)     35.30207
(17022804)     33.84234 (17121101)
 3601847.5 |     48.08826 (17021621)     31.43138 (17122124)     31.08067
(15013018)     28.51408 (16121203)
 3601597.5 |     33.61220 (16010421)     30.85799 (17021621)     27.02482
(16012022)     26.38129 (16013009)
 3601347.5 |     29.69698 (17021408)     27.77697 (16010421)     26.17646
(17021621)     22.76067 (16121120)
 3601097.5 |     30.11343 (17021408)     25.77104 (16121022)     23.91276
(16010421)     22.97342 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 446
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR2      ***
                                INCLUDING SOURCE(S):     CR2         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      453.45930  (17020308)
507708.67   3603932.32      150.18738  (16122808)
        506203.59   3603369.23       35.99222  (16010308)
507919.87   3604794.52      127.83540  (15120107)
        507037.89   3604916.08       57.46645  (15121803)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 447
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR3      ***
                                INCLUDING SOURCE(S):     CR3         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.11038 (16020408)     15.02891 (16120805)     17.98041
(16012908)     19.45437 (17020308)     21.44067 (17040507)
 3605847.5 |     15.15958 (15040607)     14.91172 (15010408)     15.56411
(16020408)     18.66770 (16120805)     22.34288 (16012908)
 3605597.5 |     16.94732 (15040607)     18.15442 (15040607)     18.54157
(15040607)     18.85204 (15010408)     20.06750 (15011008)
 3605347.5 |     15.15868 (15011608)     16.85558 (15040607)     18.69989
(15040607)     20.11960 (15040607)     21.99706 (15040607)
 3605097.5 |     15.27964 (17010407)     17.23075 (17012508)     18.34157
(17012508)     18.85953 (15011608)     20.33680 (15040607)
 3604847.5 |     21.16201 (15040307)     20.39854 (15040307)     18.58668
(16122808)     19.16941 (16122808)     23.01745 (17012508)
 3604597.5 |     18.43735 (17092707)     19.38252 (15040307)     22.60604
(15040307)     25.79596 (15040307)     28.17339 (15040307)
 3604347.5 |     17.94787 (16040507)     17.53745 (16040507)     18.57869
(16011421)     21.04494 (17092707)     23.78641 (17092707)
 3604097.5 |     16.96172 (16040507)     19.02266 (16040507)     20.58441
(16040507)     22.48492 (16040507)     24.62521 (16040507)
 3603847.5 |     16.36976 (15010808)     17.98791 (15010808)     20.40126
(15010808)     22.10443 (15010808)     25.12293 (15010808)
 3603597.5 |     18.72774 (17021608)     19.36971 (17021608)     20.51639
(17021608)     21.31158 (17021608)     21.71429 (17021608)
 3603347.5 |     14.56454 (16012807)     16.08675 (15011603)     17.93131
(17122908)     19.92043 (17122908)     22.11267 (17122908)
 3603097.5 |     14.54893 (16010308)     15.73628 (17021402)     17.14632
(17011719)     19.45947 (17011719)     20.95067 (15012720)
 3602847.5 |     14.33523 (16021602)     15.49543 (16021602)     16.64791
(16012803)     18.37594 (16012803)     20.18398 (16011702)
 3602597.5 |     13.97452 (16011702)     15.20348 (17120906)     16.70200
(15011506)     19.61332 (15092907)     24.35813 (15092907)
 3602347.5 |     16.49102 (15092907)     20.00149 (15092907)     22.30163
(15092907)     22.33377 (15092907)     19.88139 (15092907)
 3602097.5 |     19.65053 (15092907)     18.35344 (15092907)     15.90960
(17092807)     21.68190 (17092807)     25.52022 (17092807)
 3601847.5 |     15.32778 (17092807)     19.82602 (17092807)     22.27265
(17092807)     23.17051 (15092707)     29.76882 (15092707)
 3601597.5 |     20.11383 (17092807)     19.97594 (15092707)     25.46045
(15092707)     27.62076 (15092707)     24.32196 (15092707)
 3601347.5 |     22.44020 (15092707)     25.04828 (15092707)     23.68428
(15092707)     18.30084 (15092707)     11.18558 (15092707)
 3601097.5 |     22.68457 (15092707)     19.12042 (15092707)     13.31650
(15092707)      9.84720 (17122105)     10.41641 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 448
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR3      ***
                                INCLUDING SOURCE(S):     CR3         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.11176 (17040507)    23.56364 (17040507)     25.84728
(17020108)    25.88465 (16121408)    42.76944 (16120208)
 3605847.5 |     23.28488 (17020308)    30.14383 (17040507)     29.14111
(17040507)    30.39687 (17020108)    30.52262 (16121408)
 3605597.5 |     24.67166 (16012908)    28.37036 (17020308)     30.89563
(17040507)    35.60011 (17040507)    36.15622 (17020108)
 3605347.5 |     23.45454 (15010408)    25.58215 (15011008)     32.94167
(16012908)    35.85549 (17020308)    40.46714 (17040507)
 3605097.5 |     23.83230 (15040607)    26.82526 (15040607)     30.27295
(15010408)    33.86465 (16011506)    43.22471 (16012908)
 3604847.5 |     23.63542 (17012508)    25.91488 (15011608)     29.26012
(15040607)    33.77527 (15121608)    40.33531 (15010408)
 3604597.5 |     25.07910 (16122808)    27.79249 (16122808)     30.37506
(17012508)    34.72979 (17012508)    39.53447 (15011608)
 3604347.5 |     26.62840 (17122422)    30.26444 (16020401)     33.11801
(15040307)    35.32132 (16011108)    42.70287 (16122808)
 3604097.5 |     26.86073 (16040507)    31.19087 (16120722)     33.92424
(16120722)    35.85514 (16011421)    40.62128 (16011421)
 3603847.5 |     28.75335 (15010808)    31.48910 (15010808)     33.58462
(15010808)    38.29581 (15010808)    43.16977 (15010808)
 3603597.5 |     24.01942 (15011703)    26.64435 (15021102)     29.90566
(15021102)    34.62192 (15021102)    42.16721 (16012807)
 3603347.5 |     24.39229 (17122908)    26.98007 (16010308)     29.96893
(16010308)    35.43207 (17011719)    41.65972 (15012720)
 3603097.5 |     22.99549 (16021602)    25.83729 (16021602)     28.87740
(16012803)    34.41662 (17120906)    40.78533 (15011506)
 3602847.5 |     22.41163 (17120906)    25.56554 (15011506)     30.84247
(15092907)    34.78626 (15092907)    39.11406 (17010708)
 3602597.5 |     27.16306 (15092907)    26.53012 (15092907)     28.21700
(17010708)    35.86814 (17092807)    45.14060 (15092707)
 3602347.5 |     24.47740 (17092807)    30.05879 (17092807)     34.83641
(15092707)    42.28019 (15092707)    34.47055 (15092707)
 3602097.5 |     27.87858 (15092707)    34.99243 (15092707)     33.94981
(15092707)    22.34180 (15092707)    19.62271 (15022607)
 3601847.5 |     30.63135 (15092707)    24.40563 (15092707)     15.49620
(17122302)    16.78834 (15121422)    18.23450 (17021905)
 3601597.5 |     16.69090 (15092707)    13.05668 (17122105)     14.40723
(15121422)    15.63914 (16121224)    16.69170 (17121505)
 3601347.5 |     11.49569 (15022607)    12.47054 (17012504)     13.47300
(16121224)    14.35219 (17121505)    15.32381 (15120324)
 3601097.5 |     11.25466 (17012504)    11.87661 (16121224)     12.76620
(17121505)    13.46930 (15120324)    14.10495 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 449
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR3      ***
                                  INCLUDING SOURCE(S):     CR3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
```

```
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     43.02387 (16120208)    34.49021 (16010908)     57.92818
(17021308)    61.61971 (15021508)    64.35409 (17021508)
 3605847.5 |     48.01857 (16120208)    45.49907 (16120208)     42.59669
(15122808)    77.79118 (15021508)    68.43637 (15121303)
 3605597.5 |     36.62225 (16121408)    53.85421 (16120208)     48.26475
(15121708)    63.96172 (17021308)    85.38494 (15021508)
 3605347.5 |     44.31138 (17020108)    44.89651 (16121408)     59.27755
(16120208)    58.27744 (15121708)    63.09940 (15021508)
 3605097.5 |     45.92634 (15021008)    52.81810 (17020108)     60.41325
(16121408)    78.33136 (16120208)    75.63655 (16010908)
 3604847.5 |     48.37159 (16012908)    62.18904 (17020308)     68.55885
(16011607)    85.14802 (16121408)   114.31203 (16120208)
 3604597.5 |     46.70638 (15012401)    58.86147 (15010408)     79.28704
(16012908)    96.71008 (15021008)   134.00014 (17020108)
 3604347.5 |     47.84562 (17012508)    58.02056 (17012508)     69.20299
(17012703)    97.13591 (15010408)   143.79179 (17020308)
 3604097.5 |     48.48538 (17020524)    59.92103 (16020401)     76.24558
(16011108)    99.00716 (16122808)   130.56921 (17012508)
 3603847.5 |     49.60267 (17011708)    61.72784 (17011708)     78.48760
(17011708)   103.97779 (17011708)   143.41605 (17011708)
 3603597.5 |     48.80127 (16012807)    59.13946 (17122908)     76.04972
(17122908)    93.52248 (16010308)   124.95319 (17011719)
 3603347.5 |     49.43846 (16021602)    55.49897 (16012803)     70.76108
(17120906)    92.49007 (16021406)   115.09265 (17010708)
 3603097.5 |     47.57109 (16021406)    54.96866 (17122824)     67.20658
(17121308)    77.43135 (16021107)    63.80981 (17122302)
 3602847.5 |     48.10896 (17121308)    56.15220 (15092707)     54.37549
(15092707)    44.82435 (15121422)    51.86485 (17121505)
 3602597.5 |     48.06671 (15092707)    32.11300 (15092707)     35.65250
(15121422)    38.22645 (17121505)    42.62210 (17022221)
 3602347.5 |     24.18046 (16011206)    27.31554 (17012504)     30.11812
(17121505)    33.06883 (17010801)    36.17814 (17011624)
 3602097.5 |     21.58150 (17021905)    23.97059 (17121505)     25.69214
(17010801)    28.30376 (17012722)    33.43788 (17022103)
 3601847.5 |     19.66274 (17121505)    21.32363 (15120324)     22.82390
(16122704)    25.57684 (17040807)    28.69672 (15121007)
 3601597.5 |     17.90733 (15120324)    18.99118 (16122704)     20.29352
(17011624)    24.39100 (17040807)    33.43383 (17020408)
 3601347.5 |     16.09006 (16021923)    17.39151 (17012722)     23.72875
(17040807)    22.25058 (15041007)    41.10248 (17020408)
 3601097.5 |     14.83351 (16011202)    17.70268 (17040807)     19.94207
(17040807)    23.74731 (17020408)    42.39185 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 450
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR3      ***
                                  INCLUDING SOURCE(S):     CR3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
```

```
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     48.23817 (17021508)    48.79581 (17020823)     20.71298
(16112208)    12.45060 (16112208)    37.41846 (17032607)
 3605847.5 |     91.74743 (16012808)    66.83518 (16120908)     50.23151
(16051624)    47.36564 (15100707)    85.26553 (17032607)
 3605597.5 |     86.68350 (17021508)    48.02186 (16121101)     51.60429
(16120106)    60.70327 (15010907)    99.83058 (17020819)
 3605347.5 |     55.10854 (17021508)    56.21480 (16021807)     72.65027
(16051624)    49.16988 (15111919)   128.32912 (17120924)
 3605097.5 |     86.88245 (15021508)   160.93570 (16012808)     39.88760
(17022408)    24.33644 (17032607)    37.43461 (17032607)
 3604847.5 |    178.05682 (15120107)   169.50958 (17021320)     87.88122
(17022408)    38.28834 (17032607)    22.32337 (17032607)
 3604597.5 |    170.54942 (16120708)   176.39104 (16021103)     69.63966
(15092607)    70.68400 (17032607)    27.99983 (16111708)
 3604347.5 |    192.60748 (17020108)   253.30811 (15121708)    368.03399
(16012808)   200.15490 (17032607)    52.73034 (15122317)
 3604097.5 |    201.68178 (15010408)   322.92481 (15120308)    478.31315
(15120107)   588.62591 (15122908)   540.91617 (17011520)
 3603847.5 |    207.43096 (16120722)   368.16260 (17020524)   1038.65783
(15121608)  2486.36800 (17020508)   548.04900 (17122021)
 3603597.5 |    188.62848 (16012803)   321.32666 (17122824)    492.68563
(16020405)   756.92664 (15020108)   189.26134 (16020517)
 3603347.5 |    150.73437 (16021107)   147.51100 (17121505)    243.98205
(16021904)   335.48033 (15021622)   135.30691 (17010817)
 3603097.5 |     79.81556 (17121505)   101.48190 (17011624)    135.38965
(16010204)   189.93115 (15021621)   168.84168 (17010406)
 3602847.5 |     62.31433 (16122704)    80.72545 (15021805)     89.52657
(17122619)   110.79501 (16022219)   103.22236 (15021419)
 3602597.5 |     53.07907 (17022103)    80.23923 (17020408)     65.93272
(16010118)    79.89479 (17122205)    76.37380 (15011921)
 3602347.5 |     43.77374 (15021805)    66.77567 (17020408)     50.58206
(16122020)    61.22229 (17122205)    59.09018 (15020321)
 3602097.5 |     50.39303 (17020408)    44.87168 (17020408)     40.21923
(16022802)    48.50023 (17121519)    47.70340 (16121418)
 3601847.5 |     54.82318 (17020408)    31.99078 (17122619)     33.17246
(16022802)    39.97784 (17121519)    39.27005 (15021622)
 3601597.5 |     48.16666 (17020408)    27.39919 (17122619)     28.05918
(16012923)    33.68461 (17121519)    33.16761 (15021622)
 3601347.5 |     37.52842 (17020408)    23.61248 (15022601)     24.28476
(17010402)    28.96096 (15121123)    30.41908 (16112308)
 3601097.5 |     26.60020 (17020408)    21.09544 (16010118)     21.51765
(17010402)    25.38138 (15121123)    27.93993 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 451
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR3       ***
                                  INCLUDING SOURCE(S):     CR3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     18.80022 (17032607)    13.88759 (15121322)     10.06456
(16111708)     7.58874 (17020109)     6.05020 (17020109)
 3605847.5 |     12.51009 (15021124)    70.03926 (15033023)     16.56333
(16083007)     7.61312 (17020109)     7.63767 (16092207)
 3605597.5 |     79.54164 (16121520)    66.81151 (15080402)     48.61646
(15092321)    23.10554 (16100201)    10.15589 (16081907)
 3605347.5 |    105.93370 (15033023)   100.87281 (16120518)     94.73985
(17021903)    20.39272 (16092207)    10.79507 (17121809)
 3605097.5 |     24.31667 (16083007)    11.16437 (17020109)     23.78355
(16092207)    60.35397 (15101307)    16.62967 (15082707)
 3604847.5 |     19.01221 (16111708)    14.40967 (16092207)     14.51718
(17121809)    10.24211 (17032908)    15.87594 (15082707)
 3604597.5 |     15.60598 (16092207)    17.77358 (17121809)     12.39976
(15082707)     8.90116 (17122309)    16.30247 (17032608)
 3604347.5 |     41.45467 (17011903)    31.24103 (15022724)     30.09156
(17032608)    36.50525 (16040707)    46.24349 (16040707)
 3604097.5 |    104.20085 (17110207)    71.95602 (16040707)     52.30568
(16040707)    22.75999 (16040707)    16.01663 (17082707)
 3603847.5 |    213.12151 (16101021)    87.88654 (17103122)     45.81596
(16090707)    24.85072 (17030408)    19.89780 (17030408)
 3603597.5 |     61.97726 (16012417)    54.19150 (15020117)     44.95932
(16012017)    30.97691 (15021718)    27.32085 (16052106)
 3603347.5 |     91.55510 (16013009)    86.61049 (16040807)    190.54663
(17022805)    39.55890 (17020318)   104.98248 (16012801)
 3603097.5 |     75.40660 (16040518)   167.95193 (15013018)    118.59207
(17121101)   166.23969 (15121020)   134.13416 (15022202)
 3602847.5 |    167.28642 (15020908)   102.88158 (16010601)     86.01841
(17122124)    92.44205 (17022804)    76.88098 (16040807)
 3602597.5 |     70.08536 (17010406)    93.55412 (17021408)     74.00466
(16010601)    66.98583 (17122124)    65.57132 (16121203)
 3602347.5 |     55.28600 (15011507)    68.43264 (17120621)     65.25477
(17021408)    56.14361 (17011224)    49.13366 (17122124)
 3602097.5 |     45.27497 (15021419)    41.52481 (17122024)     57.53033
(15020908)    48.55938 (16121022)    78.17196 (17011224)
 3601847.5 |     38.30230 (17011319)    36.65836 (16121220)     42.59282
(17120621)    46.97949 (17021408)    38.87309 (16121022)
 3601597.5 |     32.71706 (15011921)    37.85887 (15022808)     28.60514
(17122024)    38.35518 (17120621)    38.46214 (17021408)
 3601347.5 |     28.55991 (17031208)    33.02427 (15022808)     25.49526
(16121220)    28.58989 (17120621)    34.27276 (15020908)
 3601097.5 |     25.46562 (17031208)    24.36228 (16022321)     27.80702
(15022808)    21.91086 (16092807)    28.88249 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 452
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR3       ***
                                  INCLUDING SOURCE(S):     CR3         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.62121 (16092207)     8.44456 (17121809)      7.92057
(17121809)     5.58756 (17032908)
 3605847.5 |      9.07594 (17121809)     8.67878 (17121809)      6.21336
(17032908)     6.28690 (15082707)
 3605597.5 |      9.61219 (17121809)     6.96047 (17032908)      6.98564
(15082707)     5.77335 (15082707)
 3605347.5 |      7.85993 (17032908)     7.62632 (15082707)      5.43076
(15082707)     4.53850 (17122309)
 3605097.5 |      8.65920 (15022724)     5.30798 (15051907)      7.90545
(17122309)    10.58053 (17122309)
 3604847.5 |     11.80122 (16082307)    12.37222 (17122309)     14.19652
(16040707)    23.75151 (16040707)
 3604597.5 |     21.82530 (16040707)    33.54415 (16040707)     34.69500
(16040707)    27.67357 (16040707)
 3604347.5 |     35.82313 (16040707)    21.11944 (16040707)     10.68784
(16040707)    10.06881 (17082707)
 3604097.5 |     15.13336 (17082707)    14.39160 (16090707)     14.20558
(16090707)    13.54307 (16090707)
 3603847.5 |     17.08928 (17030408)    15.31922 (17030408)     14.02627
(17030408)    12.97638 (17030408)
 3603597.5 |     26.42536 (16052106)    14.24719 (15061907)     13.19825
(17042907)    12.63981 (17042907)
 3603347.5 |     45.93966 (15101507)    15.54507 (15020117)      9.41837
(15061907)     9.40401 (15061907)
 3603097.5 |     26.68707 (15012417)    13.10595 (15080207)     11.60443
(17122709)    10.03707 (17122709)
 3602847.5 |    110.03649 (16121122)    37.32343 (15022408)     28.27309
(15022408)    15.47905 (15022408)
 3602597.5 |     82.30851 (15031607)    40.01185 (16040807)     38.83523
(16040807)    31.29056 (15022408)
 3602347.5 |     56.70738 (16122817)    78.24926 (15031607)     42.61320
(17060106)    71.34037 (16040807)
 3602097.5 |     89.02930 (17040307)    38.76599 (15013018)     36.23481
(16121203)    34.31961 (17121101)
 3601847.5 |     47.80391 (17011224)    31.64208 (16012022)     30.70134
(15013018)    29.35786 (16121203)
 3601597.5 |     33.71252 (16010421)    30.61542 (17011224)     28.18061
(16121120)    26.74107 (16013009)
 3601347.5 |     29.89222 (17021408)    26.88073 (16010421)     25.73181
(17021621)    23.59000 (16121120)
 3601097.5 |     29.12011 (17021408)    25.45086 (16121022)     23.42302
(16010421)    23.04953 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 453
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR3       ***
                                  INCLUDING SOURCE(S):     CR3         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      545.70128  (16012908)
507708.67   3603932.32      153.23566  (16020401)
        506203.59   3603369.23       37.18556  (17011719)
507919.87   3604794.52      192.34015  (15120107)
        507037.89   3604916.08       63.30262  (16011607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 454
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR4       ***
                                  INCLUDING SOURCE(S):     CR4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.49377 (15010408)    14.10035 (15011008)     16.74770
(16120805)    19.81083 (16012908)    20.68680 (17020308)
 3605847.5 |     16.93050 (15040607)    16.23150 (15040607)     16.17102
(15010408)    17.84111 (15011008)    22.11872 (16012908)
 3605597.5 |     16.03003 (15040607)    18.49810 (15040607)     20.63084
(15040607)    20.63866 (15040607)    21.37943 (15010408)
 3605347.5 |     15.87285 (17012508)    15.78796 (15011608)     16.96313
(15040607)    19.83891 (15040607)    24.16050 (15040607)
 3605097.5 |     16.75826 (16021108)    17.13130 (15011519)     18.97319
(17012508)    19.47694 (17012508)    20.75522 (15011608)
 3604847.5 |     21.80051 (15040307)    23.19655 (15040307)     22.77933
(15040307)    21.27489 (15040307)    23.82391 (16122808)
 3604597.5 |     18.71453 (17092707)    20.02793 (17092707)     21.00864
(17092707)    22.81646 (15040307)    28.15952 (15040307)
 3604347.5 |     20.24098 (16040507)    20.87919 (16040507)     21.59508
(16040507)    22.18040 (16040507)    24.51861 (16011421)
 3604097.5 |     16.28761 (17011708)    18.47660 (17011708)     20.07416
(17011708)    22.27499 (17011708)    25.08011 (17011708)
 3603847.5 |     20.25090 (17021608)    21.63191 (17021608)     23.71606
(17021608)    24.89938 (17021608)    27.19039 (17021608)
 3603597.5 |     15.02800 (15021102)    16.41544 (15021102)     18.58389
(15021102)    20.51817 (15021102)    22.18849 (16012807)
 3603347.5 |     15.39249 (17122908)    16.92703 (17122908)     18.54227
(17122908)    20.02856 (16010308)    21.81385 (16010308)
 3603097.5 |     14.78134 (17011719)    15.90656 (17011719)     17.42655
(15012720)    19.98905 (16021602)    20.98891 (16021602)
 3602847.5 |     14.02868 (16021602)    15.51708 (16012803)     17.35142
(16011702)    18.83764 (17120906)    20.55542 (15011506)
 3602597.5 |     14.28821 (17120906)    15.43878 (15011506)     19.82182
(15092907)    23.83698 (15092907)    25.84948 (15092907)
 3602347.5 |     19.71462 (15092907)    21.56920 (15092907)     21.35497
(15092907)    18.63826 (15092907)    22.46639 (17092807)
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 3602097.5 |     17.56505 (15092907)     14.99045 (17092807)     20.51055
(17092807)     24.19005 (17092807)     24.98722 (15092707)
 3601847.5 |     18.87760 (17092807)     21.60177 (17092807)     21.11767
(17092807)     27.41654 (15092707)     30.44984 (15092707)
 3601597.5 |     19.14169 (17092807)     23.81961 (15092707)     26.86873
(15092707)     25.43161 (15092707)     19.22208 (15092707)
 3601347.5 |     24.25098 (15092707)     24.14086 (15092707)     20.11259
(15092707)     13.52443 (15092707)     10.87728 (17122105)
 3601097.5 |     20.32728 (15092707)     15.24175 (15092707)      9.36389
(15092707)      9.82374 (15022607)     10.60198 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 455
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.79330 (17040507)     29.28750 (17040507)     27.47636
(17020108)     26.85639 (16121408)     38.78879 (16120208)
 3605847.5 |     25.31283 (17020308)     27.03678 (17040507)     33.84937
(17040507)     30.68112 (17020108)     31.09661 (17020202)
 3605597.5 |     23.42949 (15011008)     29.35229 (16012908)     32.68242
(17020308)     37.72386 (17040507)     34.37884 (17020108)
 3605347.5 |     24.56042 (15121608)     27.06362 (15010408)     31.15720
(16011506)     38.98699 (16012908)     40.23966 (17010508)
 3605097.5 |     22.52137 (15040607)     28.85354 (15040607)     31.85124
(15121608)     35.73404 (16020408)     42.39110 (16012908)
 3604847.5 |     23.68634 (17012508)     26.91421 (17012508)     31.47991
(15011608)     34.74246 (17012703)     42.15136 (15121608)
 3604597.5 |     28.21290 (15040307)     29.55094 (15040307)     31.47337
(16122808)     34.38690 (17012508)     42.82054 (17012508)
 3604347.5 |     27.86050 (16011421)     31.82455 (15122708)     34.54096
(17020524)     34.85759 (16020401)     41.51843 (15020702)
 3604097.5 |     28.53350 (17011708)     34.68370 (17011708)     38.19945
(17011708)     37.59660 (17011708)     41.28608 (16120722)
 3603847.5 |     30.62470 (17122608)     33.66742 (17122608)     35.68977
(17122608)     41.07312 (17122608)     46.35020 (17122608)
 3603597.5 |     25.46136 (16012807)     27.70615 (16012807)     31.14200
(17122908)     37.01406 (17122908)     46.44031 (17122908)
 3603347.5 |     23.99707 (17021402)     27.16546 (17011719)     30.76633
(15012720)     36.62602 (16021602)     42.36268 (16012803)
 3603097.5 |     22.89067 (16012803)     26.75702 (16011702)     29.89356
(17120906)     35.40128 (17122623)     41.88879 (16021406)
 3602847.5 |     23.58225 (15092907)     29.94973 (15092907)     31.66250
(15092907)     34.09532 (17010704)     42.00881 (17121308)
 3602597.5 |     24.55117 (15092907)     25.84556 (17010708)     32.81397
(17092807)     39.03421 (15092707)     50.17585 (15092707)
 3602347.5 |     28.32847 (17092807)     30.95929 (15092707)     40.06329
(15092707)     38.36930 (15092707)     23.50809 (15092707)
```

```
 3602097.5 |     32.63512 (15092707)     34.12812 (15092707)     26.84153
(15092707)     18.25117 (17122105)     20.03862 (15121422)
 3601847.5 |     26.49244 (15092707)     17.48189 (15092707)     15.40756
(15022607)     16.98698 (17012504)     18.24722 (16020405)
 3601597.5 |     12.40218 (17122302)     13.16644 (15012201)     14.40543
(17012504)     15.67237 (16020405)     16.24704 (15013101)
 3601347.5 |     11.67661 (15121422)     12.52811 (17021905)     13.46687
(16020405)     13.97353 (17121505)     15.03205 (16121724)
 3601097.5 |     11.28339 (17021905)     11.88306 (16020405)     12.50018
(17121505)     13.30747 (15120324)     14.00564 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 456
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     50.24058 (16120208)     36.88070 (15121708)     55.17214
(17021308)     74.54730 (15021508)     69.03835 (17010724)
 3605847.5 |     43.90680 (16120208)     56.34125 (16120208)     48.63137
(16010908)     78.45907 (15120107)     73.04968 (15121303)
 3605597.5 |     38.07563 (17020108)     49.78546 (16120208)     59.37116
(16120208)     87.23838 (17011603)     96.70608 (15021508)
 3605347.5 |     43.87564 (16011607)     48.93393 (17020108)     55.58847
(16120208)     62.78222 (15121708)     63.01311 (17022201)
 3605097.5 |     52.97253 (17020308)     57.33911 (15120308)     71.01530
(17020108)     77.24228 (16120208)     87.36976 (15121708)
 3604847.5 |     49.75532 (16020408)     66.68409 (16012908)     77.68085
(15021008)    105.11312 (17020108)    126.47965 (16120208)
 3604597.5 |     51.49218 (15011608)     60.45811 (15121608)     78.63929
(16020408)    116.84806 (17020308)    149.07737 (17020108)
 3604347.5 |     50.20588 (16011108)     60.46386 (16122808)     78.06713
(17012508)    103.22334 (17012703)    145.42792 (16020408)
 3604097.5 |     49.29661 (16120722)     62.56727 (16011421)     80.40179
(15122708)     98.13664 (16020401)    140.26138 (16011108)
 3603847.5 |     52.11233 (17122608)     63.47340 (17122608)     78.41731
(17122608)    103.80089 (17122608)    145.95797 (17122608)
 3603597.5 |     52.20697 (16010308)     59.65669 (16010308)     75.95293
(15012720)     90.98383 (16021602)    126.20792 (17120906)
 3603347.5 |     51.04726 (16011702)     57.69660 (15011506)     72.39748
(16121801)     98.99727 (17010708)    109.08139 (16021107)
 3603097.5 |     49.16273 (17122824)     57.73426 (17121308)     65.56470
(16122619)     64.72566 (16021107)     62.44401 (17012504)
 3602847.5 |     51.33864 (15092707)     57.14906 (15092707)     40.11294
(17122302)     45.02643 (17021905)     49.48301 (15120324)
 3602597.5 |     38.15823 (15092707)     30.84383 (15022607)     35.46593
(16121224)     37.04021 (15013101)     41.11718 (16122704)
 3602347.5 |     24.39675 (15121422)     27.21948 (16121224)     29.52692
(15013101)     31.92468 (16122704)     34.45151 (17010503)
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 3602097.5 |     21.41115 (16020405)     23.47265 (15013101)     24.95858
(16021923)     27.49551 (16120304)     31.90603 (16011119)
 3601847.5 |     19.19179 (15013101)     21.31735 (17010801)     22.31821
(17012722)     27.93440 (17040807)     28.15020 (15041007)
 3601597.5 |     17.74787 (17010801)     18.90318 (16122704)     20.57793
(17040807)     22.68231 (16011119)     38.15183 (17020408)
 3601347.5 |     16.17812 (16122704)     17.15233 (16120304)     23.89014
(17040807)     23.46190 (15041007)     43.13026 (17020408)
 3601097.5 |     14.98080 (17012722)     20.61232 (17040807)     17.86633
(17022603)     27.70586 (17020408)     41.98878 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 457
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.14194 (17070706)     42.35903 (17022408)     20.79505
(17022408)     12.91065 (16112208)     39.72876 (17032607)
 3605847.5 |     81.33169 (17021508)    101.63915 (16120908)     50.45516
(17022408)     33.11435 (15111919)     89.02832 (17032607)
 3605597.5 |     84.13481 (17021508)     56.37338 (16021807)     59.31922
(16120106)     66.75920 (15010907)     93.08430 (17032607)
 3605347.5 |     61.07210 (15021508)     64.97902 (15022206)     72.75421
(17022408)     36.49372 (16091507)    120.78979 (17120924)
 3605097.5 |    101.38849 (15021508)    133.40613 (16012808)     42.00439
(17022408)     28.90451 (17032607)     31.89679 (17032607)
 3604847.5 |    182.22803 (17021401)    167.25336 (17010208)     87.93548
(17022408)     48.00473 (17032607)     15.75467 (15022208)
 3604597.5 |    191.91348 (15120408)    172.56606 (15021508)     68.49102
(15013009)     97.06210 (17032607)     42.09610 (16111708)
 3604347.5 |    221.49442 (15021008)    325.12841 (15120408)    239.30678
(17102907)    242.15127 (17032607)     68.27055 (15022723)
 3604097.5 |    240.07080 (17012508)    385.12346 (16020408)    874.40834
(15121708)   1180.50644 (16120120)    348.34775 (15051906)
 3603847.5 |    227.90158 (17122608)    368.39211 (17122608)   1097.88800
(17122908)   4469.90430 (17022805)    331.53342 (17012817)
 3603597.5 |    197.08294 (17122824)    272.74821 (16021107)    356.23235
(16120304)    340.51424 (17062006)    205.02878 (16013009)
 3603347.5 |    100.62595 (15022607)    128.44647 (17010801)    206.22761
(16010102)    292.27605 (17122218)     93.33750 (16022919)
 3603097.5 |     74.78880 (15120324)     97.79940 (17022103)    119.49658
(15012823)    175.85244 (16022219)    160.58195 (16121220)
 3602847.5 |     58.19985 (16120304)     77.58204 (17020408)     78.64008
(15022601)     96.23145 (16022219)     93.33011 (16022321)
 3602597.5 |     50.81816 (16011119)     79.81164 (17020408)     60.45461
(17122005)     71.37941 (17122205)     68.53382 (16122021)
 3602347.5 |     42.58476 (17020408)     59.32768 (17020408)     47.02281
(16122020)     55.94601 (17122205)     54.41191 (15020321)
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 3602097.5 |     55.15193 (17020408)     37.80018 (17020408)     37.60399
(16022802)     44.88515 (17121519)     44.16455 (17121306)
 3601847.5 |     54.26022 (17020408)     30.50581 (17122619)     31.42636
(16012923)     37.29071 (17121519)     36.82552 (15021622)
 3601597.5 |     44.79244 (17020408)     26.10992 (16011319)     26.61538
(16012923)     31.69899 (17121519)     32.12252 (16112308)
 3601347.5 |     33.61207 (17020408)     22.71893 (16010118)     23.38261
(17010402)     27.52394 (15121123)     30.19715 (16112308)
 3601097.5 |     23.24559 (17020408)     20.49470 (16010118)     20.88067
(17010402)     24.31750 (15121123)     27.53134 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 458
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR4      ***
                                 INCLUDING SOURCE(S):     CR4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.24412 (17032607)     12.22983 (15121322)     10.30048
(16111708)      7.78237 (17020109)      5.42725 (17020109)
 3605847.5 |     12.10084 (16010705)     64.48389 (15122821)     15.46928
(16083007)      7.34083 (15022224)      8.80402 (16092207)
 3605597.5 |     67.32900 (15021924)     61.69927 (15052306)     33.23616
(16101307)     18.50213 (16092207)     10.76711 (17121809)
 3605347.5 |     89.01374 (15033023)     82.73384 (17032207)     80.18437
(17022521)     17.54344 (16092207)      9.67823 (17121809)
 3605097.5 |     26.72116 (16083007)     12.65900 (15022224)     22.43747
(16092207)     49.28171 (17090523)     13.58596 (15110508)
 3604847.5 |     15.80784 (16111708)     16.55310 (16092207)     12.60044
(17121809)     11.77797 (15022724)     15.65802 (15022818)
 3604597.5 |     25.97183 (16092207)     14.92732 (17121809)     10.61830
(15082707)     18.80562 (17032608)     23.54448 (16040707)
 3604347.5 |     36.92350 (15082707)     28.76935 (15022818)     42.22619
(16040707)     52.70188 (16040707)     36.13030 (16040707)
 3604097.5 |    184.97713 (16040707)     54.86776 (16040707)     25.49328
(17032307)     20.04342 (17091207)     18.97803 (16090707)
 3603847.5 |    142.05276 (15012017)     81.44480 (15012017)     30.94693
(17030408)     24.32246 (15062407)     21.43217 (15062407)
 3603597.5 |    107.58087 (16040807)     46.10921 (16021802)     39.51481
(17122709)     28.57560 (16121017)     21.10291 (15020117)
 3603347.5 |     81.86694 (16013009)     52.61803 (16041107)    134.95736
(16040807)     45.77836 (15022408)     77.17109 (15012119)
 3603097.5 |     50.48358 (17010522)    208.92944 (17040307)    121.93738
(16121203)    144.98345 (17011308)    135.24807 (16121122)
 3602847.5 |    168.17954 (17120621)     94.74610 (16121022)     81.98859
(17122518)     91.46259 (16122817)     71.32388 (17121101)
 3602597.5 |     68.21721 (16121220)     83.18889 (15020908)     68.67497
(16010421)     67.79231 (17122518)     66.60011 (15013018)
 3602347.5 |     52.00222 (17010624)     55.07426 (17120621)     67.58576
(17021408)     52.91035 (16010421)     51.17716 (17122518)
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 3602097.5 |     42.58867 (15021419)     40.62154 (17010406)     52.82068
(17120621)     50.04654 (17021408)     83.17157 (15011201)
 3601847.5 |     36.43577 (17011319)     36.77680 (15022808)     34.87087
(16121008)     44.04973 (15020908)     40.50806 (16121022)
 3601597.5 |     31.28001 (16122021)     37.87573 (15022808)     28.14111
(17010406)     36.01151 (17120621)     37.65806 (17021408)
 3601347.5 |     28.15932 (17031208)     29.81259 (15022808)     24.78828
(16121220)     25.19507 (16121008)     31.97112 (15020908)
 3601097.5 |     24.25257 (17031208)     23.64872 (17011319)     29.88831
(15022808)     21.52982 (16092807)     26.37740 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 459
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR4      ***
                                  INCLUDING SOURCE(S):     CR4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.07380 (16092207)      8.88722 (17121809)      7.26016
(17121809)      6.06754 (17032908)
 3605847.5 |      9.73799 (17121809)      7.91025 (17121809)      6.66181
(17032908)      6.50864 (15082707)
 3605597.5 |      8.69873 (17121809)      7.32631 (17032908)      6.85297
(15082707)      4.65570 (15082707)
 3605347.5 |      8.11926 (15082707)      6.92833 (15082707)      3.97157
(17122309)      7.03074 (17122309)
 3605097.5 |      6.87034 (16042804)      7.48217 (17122309)     10.87528
(17122309)     11.98645 (17122309)
 3604847.5 |     15.45412 (17032608)     14.78647 (16040707)     25.91853
(16040707)     31.32232 (16040707)
 3604597.5 |     37.58699 (16040707)     37.42649 (16040707)     27.83518
(16040707)     17.22839 (16040707)
 3604347.5 |     18.45465 (16040707)     11.76339 (17082707)     12.02454
(17082707)     11.64238 (17082707)
 3604097.5 |     17.53481 (16090707)     15.73071 (16090707)     13.91293
(16090707)     12.22819 (16090707)
 3603847.5 |     19.21995 (15062407)     17.46496 (15062407)     16.03393
(15062407)     14.84148 (15062407)
 3603597.5 |     19.78298 (15061907)     16.18365 (15061907)     13.49555
(15061907)     11.12874 (15061907)
 3603347.5 |     34.71583 (15091922)     13.30063 (17082908)      9.18299
(17122709)      7.03549 (17122709)
 3603097.5 |     40.21032 (15022408)     24.81966 (15022408)     11.22434
(17122709)     10.81799 (17122709)
 3602847.5 |     92.30531 (17011308)     40.83512 (16040807)     34.31886
(15022408)     26.24613 (15022408)
 3602597.5 |     62.86722 (16010101)     26.45668 (16040807)     39.17382
(16040807)     34.43333 (16040807)
 3602347.5 |     53.90057 (15013018)     69.04763 (17010220)     34.99021
(16071324)     54.55909 (16040807)
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 3602097.5 |     87.20946 (17040307)     38.75097 (17122124)     38.63188
(16122817)     36.29375 (17022804)
 3601847.5 |     68.79768 (16010601)     34.02423 (17122518)     30.79226
(17122124)     29.77304 (16122817)
 3601597.5 |     35.25648 (16121022)     30.20632 (16010601)     30.29298
(17122518)     25.16537 (17122124)
 3601347.5 |     31.74879 (17021408)     24.76383 (16121022)     25.47195
(17011224)     24.90563 (17122518)
 3601097.5 |     27.68211 (15020908)     25.56975 (17021408)     21.56960
(16010421)     23.31258 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 460
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR4      ***
                                  INCLUDING SOURCE(S):     CR4         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      591.99618  (16122808)
507708.67   3603932.32      174.52617  (17011708)
        506203.59   3603369.23       38.57008  (16021602)
507919.87   3604794.52      164.08252  (15011206)
        507037.89   3604916.08       72.04999  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 461
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.47475 (16020408)     14.30600 (15011008)     17.20980
(16012908)     19.59066 (16012908)     20.06383 (17020308)
 3605847.5 |     16.61072 (15040607)     15.60864 (15040607)     16.15840
(16020408)     18.04561 (15011008)     22.58326 (16012908)
```

```
 3605597.5 |     16.42134 (15040607)     18.60783 (15040607)     20.33018
(15040607)     19.86422 (15040607)     21.33631 (16020408)
 3605347.5 |     15.66673 (17012508)     15.92279 (15011608)     17.59992
(15040607)     20.15226 (15040607)     23.95671 (15040607)
 3605097.5 |     16.27891 (16122808)     17.10132 (17010407)     19.18524
(17012508)     19.16289 (17012508)     20.78526 (15011608)
 3604847.5 |     22.12487 (15040307)     22.97395 (15040307)     21.92445
(15040307)     20.64169 (16122808)     23.20376 (16122808)
 3604597.5 |     19.05851 (17092707)     20.03072 (17092707)     20.57130
(17092707)     24.24251 (15040307)     29.09631 (15040307)
 3604347.5 |     20.06552 (16040507)     20.43467 (16040507)     20.82100
(16040507)     21.41769 (16011421)     24.47379 (16011421)
 3604097.5 |     16.65140 (17011708)     18.82354 (17011708)     20.35381
(17011708)     22.46169 (17011708)     25.12629 (17011708)
 3603847.5 |     19.59894 (17021608)     20.92866 (17021608)     22.94055
(17021608)     24.07457 (17021608)     26.72351 (17122608)
 3603597.5 |     15.71703 (17021608)     16.26164 (15021102)     18.52665
(15021102)     20.60428 (15021102)     22.33296 (15021102)
 3603347.5 |     15.28227 (17122908)     16.95451 (17122908)     18.76609
(17122908)     20.21948 (17122908)     22.12535 (16010308)
 3603097.5 |     14.72902 (17011719)     16.07002 (17011719)     17.45722
(15012720)     19.92349 (15012720)     21.33934 (16021602)
 3602847.5 |     14.34875 (16021602)     15.41749 (16012803)     17.35825
(16012803)     18.84198 (16011702)     20.70116 (17120906)
 3602597.5 |     14.29525 (17120906)     15.41306 (15011506)     18.67902
(15092907)     23.16934 (15092907)     26.05835 (15092907)
 3602347.5 |     19.15656 (15092907)     21.54469 (15092907)     22.01728
(15092907)     19.93072 (15092907)     21.15802 (17092807)
 3602097.5 |     18.38654 (15092907)     15.74197 (15092907)     19.56679
(17092807)     23.97697 (17092807)     25.00527 (17092807)
 3601847.5 |     18.17736 (17092807)     21.48490 (17092807)     21.78448
(17092807)     26.68577 (15092707)     30.81296 (15092707)
 3601597.5 |     19.68705 (17092807)     23.09106 (15092707)     26.89469
(15092707)     26.38544 (15092707)     20.75383 (15092707)
 3601347.5 |     24.08941 (15092707)     24.70946 (15092707)     21.27796
(15092707)     14.83350 (15092707)     10.97451 (17122105)
 3601097.5 |     21.18319 (15092707)     16.37403 (15092707)     10.39159
(15092707)      9.86178 (15022607)     10.63799 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 462
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.40360 (17040507)     28.22529 (17040507)     27.42468
(17020108)     26.92755 (16121408)     40.31329 (16120208)
 3605847.5 |     25.23304 (17020308)     28.41368 (17040507)     33.29452
(17040507)     31.00456 (17020108)     31.36047 (16121408)
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 3605597.5 |     23.77342 (16011506)     29.54468 (16012908)     31.79208
(17020308)     38.16330 (17040507)     35.38758 (17020108)
 3605347.5 |     24.47498 (15121608)     27.04140 (16020408)     31.91922
(16011506)     38.98839 (17020308)     40.55037 (15021008)
 3605097.5 |     23.21525 (15040607)     28.88857 (15040607)     31.95541
(15121608)     35.65264 (16020408)     44.16709 (16012908)
 3604847.5 |     24.06410 (17012508)     26.39813 (17012508)     31.20712
(15011608)     34.55263 (17012703)     42.76548 (15121608)
 3604597.5 |     28.15276 (15040307)     28.74717 (16122808)     31.04961
(16122808)     35.36026 (17012508)     41.87108 (17012508)
 3604347.5 |     28.00585 (15122708)     31.87524 (17122422)     34.40933
(16020401)     34.63144 (15020702)     41.82205 (16011108)
 3604097.5 |     28.35987 (17011708)     34.13669 (17011708)     37.12237
(17011708)     36.89088 (16120722)     40.91995 (16120722)
 3603847.5 |     30.87055 (17122608)     33.96479 (17122608)     36.02130
(17122608)     41.50620 (17122608)     46.88459 (17122608)
 3603597.5 |     25.34532 (15021102)     27.86900 (16012807)     30.77899
(16012807)     36.25775 (17122908)     46.42900 (17122908)
 3603347.5 |     24.16665 (17021402)     27.18373 (17011719)     30.71152
(15012720)     36.67485 (16021602)     42.79417 (16021602)
 3603097.5 |     22.65323 (16012803)     26.67226 (16012803)     29.91488
(17120906)     35.97575 (15011506)     42.48080 (16021406)
 3602847.5 |     22.66799 (15011506)     29.15172 (15092907)     32.45122
(15092907)     34.60895 (17122824)     41.60202 (17010708)
 3602597.5 |     25.84019 (15092907)     25.49449 (17010708)     32.12712
(17092807)     36.61178 (15092707)     50.49832 (15092707)
 3602347.5 |     27.94511 (17092807)     29.55902 (17092807)     39.64205
(15092707)     40.42002 (15092707)     26.64233 (15092707)
 3602097.5 |     31.96681 (15092707)     35.08563 (15092707)     29.17526
(15092707)     18.51921 (17122302)     20.18486 (15121422)
 3601847.5 |     28.01173 (15092707)     19.41839 (15092707)     15.49013
(15022607)     17.10120 (15121422)     18.34294 (16121224)
 3601597.5 |     12.58022 (15092707)     13.17547 (15012201)     14.54194
(17012504)     15.78010 (16020405)     16.55251 (17121505)
 3601347.5 |     11.69168 (15012201)     12.59987 (17012504)     13.58997
(16020405)     14.26967 (17121505)     15.16545 (16121724)
 3601097.5 |     11.34829 (17021905)     12.01223 (16020405)     12.73740
(17121505)     13.52547 (15120324)     14.06702 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 463
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     48.99922 (16120208)     35.77613 (15121708)     57.92905
(17021308)     73.16349 (15021508)     67.92536 (17010724)
 3605847.5 |     45.62554 (16120208)     54.30302 (16120208)     48.03920
(16010908)     78.83801 (15021508)     74.29832 (15121303)
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 3605597.5 |     36.96388 (16121408)     51.69802 (16120208)     56.25455
(16120208)     87.65133 (17011603)     94.70595 (15021508)
 3605347.5 |     43.67284 (15121803)     46.58918 (17020108)     57.62315
(16120208)     62.63264 (15121708)     64.09595 (17021308)
 3605097.5 |     51.73615 (17020308)     56.43724 (15120308)     68.87087
(17020108)     79.90038 (16120208)     83.95614 (15121708)
 3604847.5 |     49.46706 (16020408)     67.72166 (16012908)     78.21272
(15021008)    104.59105 (17020108)    130.43349 (16120208)
 3604597.5 |     50.03045 (17121424)     62.67943 (15121608)     77.65708
(16020408)    116.20399 (17020308)    155.61075 (17020108)
 3604347.5 |     50.96381 (16122808)     58.34967 (17012508)     75.64845
(17012508)    102.23587 (15012401)    143.66908 (16011506)
 3604097.5 |     49.26953 (16011421)     62.43426 (16011421)     80.74040
(17020524)     97.45811 (15020702)    143.34417 (16122808)
 3603847.5 |     52.72688 (17122608)     64.40197 (17122608)     79.81326
(17122608)    106.35002 (17122608)    151.11076 (17122608)
 3603597.5 |     53.44265 (17122908)     61.57992 (16010308)     76.49138
(17011719)     93.43179 (16021602)    126.90900 (16011702)
 3603347.5 |     51.11751 (16011702)     58.01427 (17120906)     74.12855
(16021406)     97.97569 (17010708)    111.74679 (16122619)
 3603097.5 |     49.60292 (17121720)     58.59278 (17010708)     67.20146
(17121308)     71.81018 (16021107)     63.70392 (15121422)
 3602847.5 |     48.48266 (17121308)     59.27521 (15092707)     40.82685
(17122302)     45.79444 (17012504)     50.07327 (15013101)
 3602597.5 |     41.81715 (15092707)     31.11604 (15022607)     36.04597
(17021905)     37.50314 (15013101)     42.22363 (16122704)
 3602347.5 |     24.47022 (15012201)     27.49780 (16121224)     29.68150
(15013101)     32.26360 (17022221)     34.72198 (17022222)
 3602097.5 |     21.70631 (16121224)     23.57970 (17121505)     25.51871
(17010801)     27.93188 (16120304)     32.45400 (16011119)
 3601847.5 |     19.41494 (17121505)     21.58076 (17010801)     22.45048
(17012722)     27.81282 (17040807)     28.23786 (15021805)
 3601597.5 |     17.79345 (17010801)     19.19360 (16122704)     20.11042
(17011624)     23.06613 (16011119)     37.22046 (17020408)
 3601347.5 |     16.21388 (16122704)     17.36758 (16120304)     24.20062
(17040807)     23.35908 (15041007)     42.94798 (17020408)
 3601097.5 |     15.12418 (17012722)     20.10224 (17040807)     18.04485
(16011119)     26.86088 (17020408)     42.41496 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 464
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     35.43092 (17070706)     42.78625 (17022408)     20.37113
(17022408)     12.78800 (16112208)     39.13466 (17032607)
 3605847.5 |     79.46113 (17021508)     98.73174 (16120908)     49.42535
(17022408)     32.42325 (15111919)     88.17698 (17032607)
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 3605597.5 |     85.44274 (17021508)     54.38407 (16021807)     58.04446
(16120106)     65.32156 (15010907)     93.03391 (17032607)
 3605347.5 |     57.99580 (17010208)     63.65593 (16021807)     71.46945
(17022408)     35.65986 (16091507)    117.35801 (17120924)
 3605097.5 |    100.39429 (15021508)    130.38017 (16012808)     41.49696
(17022408)     27.58403 (17032607)     33.46508 (17032607)
 3604847.5 |    175.69518 (16010223)    161.30334 (17010724)     88.21167
(17022408)     45.09919 (17032607)     17.22611 (17032607)
 3604597.5 |    185.84281 (15120408)    176.02757 (15021508)     67.90126
(15092607)     89.01322 (17032607)     38.45886 (16111708)
 3604347.5 |    214.05502 (15120308)    314.26985 (15123008)    228.30172
(15110105)    217.81618 (17032607)     58.15729 (15022723)
 3604097.5 |    231.60089 (15011608)    420.01113 (16012908)    814.41721
(15121708)    972.32891 (16120120)    379.41959 (17120708)
 3603847.5 |    240.65048 (17122608)    404.94101 (17122608)   1176.59782
(17122608)   4677.69035 (16120224)    331.75305 (15061006)
 3603597.5 |    199.26854 (16021406)    297.76742 (16021107)    389.07449
(16122704)    353.42239 (17062006)    206.60764 (16013009)
 3603347.5 |    103.58565 (17122302)    133.08356 (15120324)    218.89167
(15022505)    313.46717 (17122218)    100.17188 (16022919)
 3603097.5 |     76.84523 (15120324)    100.10696 (17022103)    125.30161
(15012823)    184.26400 (16022219)    169.18064 (16121220)
 3602847.5 |     59.55642 (16120304)     75.40257 (16021904)     81.19901
(15022601)     99.81859 (16022219)     96.68311 (15021419)
 3602597.5 |     51.96985 (17022103)     81.03210 (17020408)     62.07982
(17122005)     73.49540 (17122205)     70.39488 (16122021)
 3602347.5 |     42.10909 (15021805)     61.78310 (17020408)     48.15801
(16122020)     57.36681 (17122205)     55.78418 (15020321)
 3602097.5 |     54.48585 (17020408)     39.83167 (17020408)     38.38890
(16022802)     45.83044 (17121519)     45.03415 (17121306)
 3601847.5 |     54.91001 (17020408)     31.01220 (17122619)     31.98385
(16012923)     37.99219 (17121519)     37.51431 (15021622)
 3601597.5 |     46.00461 (17020408)     26.54140 (16011319)     27.07138
(16012923)     32.23614 (17121519)     32.32052 (16112308)
 3601347.5 |     34.84182 (17020408)     23.06543 (15022601)     23.72191
(17010402)     27.92896 (15121123)     30.45254 (16112308)
 3601097.5 |     24.22958 (17020408)     20.77356 (16010118)     21.17237
(17010402)     24.64585 (15121123)     27.80060 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 465
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.92766 (17032607)     12.55130 (15121322)     10.29085
(16111708)      7.75470 (17020109)      5.60422 (17020109)
 3605847.5 |     11.84701 (16010705)     63.84923 (15122821)     15.82137
(16083007)      7.29789 (17020109)      8.58737 (16092207)
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 3605597.5 |      65.95143 (15021924)      60.02244 (17060105)      30.32022
(16101307)     17.57180 (16092207)     10.57272 (17121809)
 3605347.5 |      88.62524 (15033023)      76.43887 (15072101)      80.09136
(17022521)     18.60249 (16092207)     10.05416 (17121809)
 3605097.5 |      26.23966 (16083007)      11.92297 (15022224)      23.34412
(16092207)     47.86708 (17090523)     13.14971 (15110508)
 3604847.5 |      16.93340 (16111708)      16.50412 (16092207)      13.29879
(17121809)     11.72323 (15022724)     14.95804 (15022818)
 3604597.5 |      23.74754 (16092207)      16.02528 (17121809)      11.45635
(15082707)     15.31147 (17032608)     20.87761 (17032608)
 3604347.5 |      33.33248 (15082707)      32.80062 (15022818)      41.19047
(17032608)     51.49490 (16040707)     40.95853 (16040707)
 3604097.5 |     149.91243 (16040707)      68.66623 (16040707)      24.36783
(16040707)     19.01591 (17082707)     17.75917 (16090707)
 3603847.5 |     148.36147 (15012017)      79.25023 (15021202)      34.42435
(17030408)     24.24368 (17030408)     20.95305 (15062407)
 3603597.5 |      95.67122 (15022408)      45.53006 (17122117)      36.71296
(17122709)     29.61829 (15020117)     21.58447 (15061907)
 3603347.5 |      99.78148 (16013009)      66.69091 (16040807)     131.35191
(16100807)     39.43406 (15022408)     73.01559 (17040401)
 3603097.5 |      53.49315 (17020419)     218.03276 (17040307)     123.36498
(17022804)    138.61054 (17011308)    135.10317 (16121122)
 3602847.5 |     184.82807 (17120621)      94.27498 (16121022)      81.17659
(16121120)     92.15939 (16121203)     74.64582 (17121101)
 3602597.5 |      69.02843 (17010406)      85.20535 (15020908)      71.67991
(16010421)     67.23907 (16121120)     67.75478 (16122817)
 3602347.5 |      53.11708 (15011507)      59.07768 (17120621)      68.52492
(17021408)     53.87241 (16010601)     50.68363 (16121120)
 3602097.5 |      43.50013 (15021419)      41.42744 (17010406)      53.50946
(17120621)     49.09100 (17021408)     85.52624 (15011201)
 3601847.5 |      37.15869 (17011319)      35.84376 (15022808)      36.73276
(17120621)     44.48488 (15020908)     41.14764 (16121022)
 3601597.5 |      31.76316 (16122021)      38.32197 (15022808)      28.46480
(17010406)     36.97730 (17120621)     38.30666 (17021408)
 3601347.5 |      28.48261 (17031208)      30.91464 (15022808)      25.11159
(16121220)     25.61787 (16121008)     32.95283 (15020908)
 3601097.5 |      24.73099 (17031208)      23.87492 (16022321)      29.62624
(15022808)     21.86523 (16092807)     27.26653 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 466
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |       8.03833 (16092207)       8.81481 (17121809)       7.46737
(17121809)      5.97002 (17032908)
 3605847.5 |       9.61827 (17121809)       8.15605 (17121809)       6.58276
(17032908)      6.50907 (15082707)
```

```
 3605597.5 |       8.99769 (17121809)       7.28367 (17032908)       6.96314
(15082707)      4.97752 (15082707)
 3605347.5 |       8.07317 (17032908)       7.20072 (15082707)       4.33005
(15082707)      6.34663 (17122309)
 3605097.5 |       7.00744 (15082707)       6.58130 (17122309)      10.15700
(17122309)     11.76581 (17122309)
 3604847.5 |      13.65861 (16082307)      13.93442 (17122309)      22.85180
(16040707)     29.98359 (16040707)
 3604597.5 |      34.10661 (16040707)      37.84202 (16040707)      30.53388
(16040707)     20.10957 (16040707)
 3604347.5 |      23.09606 (16040707)      10.92474 (16040707)      11.47700
(17082707)     11.42334 (17082707)
 3604097.5 |      17.20717 (16090707)      15.94846 (16090707)      14.43665
(16090707)     12.90572 (16090707)
 3603847.5 |      18.77213 (15062407)      17.05047 (15062407)      15.65114
(15062407)     14.48761 (15062407)
 3603597.5 |      20.91345 (15061907)      16.38672 (15061907)      13.22726
(15061907)     11.71504 (17042907)
 3603347.5 |      33.61681 (15091922)      13.55931 (17082908)       8.47697
(17122709)      6.56393 (15061907)
 3603097.5 |      38.00900 (15022408)      20.84668 (15022408)      11.49648
(17122709)     10.75712 (17122709)
 3602847.5 |     100.49414 (15121020)      37.93402 (16040807)      33.84004
(15022408)     23.66369 (15022408)
 3602597.5 |      61.79001 (17062906)      30.33348 (16040807)      40.21640
(16040807)     32.28265 (16040807)
 3602347.5 |      55.73977 (15013018)      66.27335 (17010220)      35.08282
(16071324)     59.83350 (16040807)
 3602097.5 |      91.95637 (17040307)      38.57904 (17122124)      39.22835
(16121203)     36.04298 (17022804)
 3601847.5 |      69.58982 (16010601)      33.71073 (17122518)      31.06802
(17122124)     30.10764 (16122817)
 3601597.5 |      35.06695 (16121022)      30.69228 (17011224)      30.08327
(17122518)     25.63233 (17122124)
 3601347.5 |      31.62946 (17021408)      24.61883 (16010421)      25.87932
(17011224)     24.75865 (17122518)
 3601097.5 |      27.79907 (15020908)      25.07716 (17021408)      22.23923
(16010421)     23.56348 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 467
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CR5      ***
                                  INCLUDING SOURCE(S):     CR5         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      582.59106  (17012508)
507708.67   3603932.32      167.52967  (17011708)
        506203.59   3603369.23       38.58129  (15012720)
507919.87   3604794.52      160.01024  (15122808)
        507037.89   3604916.08       71.80383  (15021008)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 468
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB1     ***
                                 INCLUDING SOURCE(S):     CTB1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.36271 (16020408)     15.35756 (16120805)     18.20924
(16012908)     19.78674 (17020308)     21.13412 (17040507)
 3605847.5 |     15.81587 (15040607)     15.30982 (15010408)     15.96397
(16020408)     19.54476 (16120805)     23.35989 (16012908)
 3605597.5 |     17.02612 (15040607)     18.59553 (15040607)     19.47290
(15040607)     19.85745 (15010408)     21.06403 (17010206)
 3605347.5 |     15.87217 (15011608)     16.59792 (15040607)     18.66204
(15040607)     20.47893 (15040607)     23.15569 (15040607)
 3605097.5 |     16.46807 (15011519)     17.69166 (17012508)     19.24025
(17012508)     19.44509 (15011608)     20.88843 (16010821)
 3604847.5 |     22.11803 (15040307)     21.91373 (15040307)     19.80729
(16021108)     20.48220 (15011519)     23.90525 (17122703)
 3604597.5 |     19.18216 (17092707)     19.47782 (17092707)     22.16674
(15040307)     26.12063 (15040307)     29.68305 (15040307)
 3604347.5 |     19.26637 (16040507)     19.14640 (16040507)     19.89590
(16010305)     22.22913 (15122708)     25.71010 (15122708)
 3604097.5 |     17.04905 (17011708)     19.12202 (17011708)     20.48579
(17011708)     22.35663 (17011708)     25.04473 (16021605)
 3603847.5 |     18.04542 (17021608)     19.21004 (17021608)     21.80420
(15010808)     23.66581 (15010808)     27.18833 (15010808)
 3603597.5 |     17.85981 (17021608)     18.31925 (17021608)     19.26878
(17021608)     21.09726 (15021102)     23.16605 (15021102)
 3603347.5 |     15.44370 (17022106)     16.94708 (15011603)     18.87691
(17122908)     20.70107 (17122908)     22.65057 (17122908)
 3603097.5 |     15.45034 (17021402)     16.53407 (17021402)     18.03576
(17011719)     20.74072 (15012720)     22.26231 (15022622)
 3602847.5 |     15.19741 (15022622)     15.99664 (15022622)     18.16521
(15020721)     19.40033 (16011702)     21.36375 (17120906)
 3602597.5 |     14.62186 (16011702)     15.99491 (17120906)     17.69276
(15011506)     21.94073 (15092907)     25.92551 (15092907)
 3602347.5 |     18.20004 (15092907)     21.25119 (15092907)     22.66126
(15092907)     21.52940 (15092907)     20.35594 (16022405)
 3602097.5 |     19.35733 (15092907)     17.27147 (15092907)     18.21847
(17092807)     23.45085 (17092807)     25.84695 (17092807)
 3601847.5 |     17.16375 (17092807)     21.14686 (17092807)     22.45018
(17092807)     25.64124 (15092707)     31.03053 (15092707)
 3601597.5 |     20.24123 (17092807)     22.10342 (15092707)     26.76809
(15092707)     27.40127 (15092707)     22.56405 (15092707)
 3601347.5 |     23.77635 (15092707)     25.27719 (15092707)     22.62028
(15092707)     16.42549 (15092707)     11.46506 (17122105)
 3601097.5 |     22.14363 (15092707)     17.72292 (15092707)     11.66188
(15092707)     10.35790 (17122105)     10.97596 (15012201)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 469
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB1     ***
                                 INCLUDING SOURCE(S):     CTB1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.98294 (17040507)     25.23887 (17040507)     26.77594
(17020108)     27.20349 (16121408)     43.38996 (16120208)
 3605847.5 |     24.50662 (17020308)     30.68549 (17040507)     31.01741
(17040507)     31.08461 (17020108)     32.10952 (16121408)
 3605597.5 |     25.79839 (16120805)     29.55411 (17020308)     31.58991
(17020907)     37.59626 (17040507)     36.80711 (17020108)
 3605347.5 |     24.87028 (15010408)     26.66870 (15011008)     34.73555
(16012908)     38.55854 (17020308)     41.99087 (17040507)
 3605097.5 |     24.18011 (15040607)     28.32689 (15040607)     32.38857
(15010408)     35.72976 (15011008)     46.59410 (16012908)
 3604847.5 |     24.27618 (17012508)     26.93744 (15011608)     31.50161
(16010821)     35.87582 (15012401)     43.41155 (15010408)
 3604597.5 |     26.86404 (15040307)     29.11773 (16122808)     30.35694
(15011519)     36.05752 (17012508)     43.11883 (15011608)
 3604347.5 |     29.33579 (17122422)     33.09612 (16122806)     35.96275
(15020702)     35.92642 (17013020)     44.47045 (16011108)
 3604097.5 |     28.32192 (16021605)     34.56404 (15020724)     38.43584
(15020724)     38.21843 (16120721)     42.57877 (16010305)
 3603847.5 |     31.39345 (15010808)     34.58414 (15010808)     36.70735
(15010808)     42.30113 (15010808)     47.71250 (15010808)
 3603597.5 |     26.70554 (15021102)     29.28859 (15021102)     32.28678
(15021102)     37.67470 (16012807)     46.93215 (16012807)
 3603347.5 |     25.25368 (16121804)     28.50946 (17021402)     31.97882
(17011719)     38.20700 (15012720)     45.73000 (15022622)
 3603097.5 |     24.22640 (15022622)     27.90549 (15020721)     30.91850
(16011702)     37.41222 (17120906)     44.75125 (17122623)
 3602847.5 |     23.58021 (15011506)     27.63464 (17122623)     32.80657
(15092907)     36.25802 (17121503)     43.90588 (17010708)
 3602597.5 |     27.22949 (15092907)     26.62865 (17121503)     30.70798
(17092807)     36.92621 (17092807)     50.10933 (15092707)
 3602347.5 |     27.08419 (17092807)     30.67676 (17092807)     38.69074
(15092707)     42.50586 (15092707)     30.45805 (15092707)
 3602097.5 |     30.89918 (15092707)     35.94325 (15092707)     31.87837
(15092707)     19.37272 (17122302)     20.98930 (15012201)
 3601847.5 |     29.70297 (15092707)     21.77308 (15092707)     16.34082
(17122105)     17.78321 (15121422)     19.12459 (16020521)
 3601597.5 |     14.35502 (15092707)     13.63472 (15012201)     14.99361
(17012504)     16.31251 (16020521)     17.32066 (15012624)
 3601347.5 |     12.24563 (15012201)     13.06659 (17012504)     14.02998
(16012302)     14.89490 (15012624)     15.91187 (16121724)
 3601097.5 |     11.66135 (15021422)     12.42649 (16012302)     13.26975
(15012624)     14.05354 (15120820)     14.83047 (16021923)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 470
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB1     ***
                                 INCLUDING SOURCE(S):     CTB1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     44.95306 (16120208)     36.58368 (16010908)     63.14699
(17021308)     67.53863 (15021508)     66.61547 (17021320)
 3605847.5 |     48.88304 (16120208)     48.10027 (16120208)     47.27202
(15122808)     82.41195 (15021508)     76.66516 (15121303)
 3605597.5 |     38.55185 (16121408)     54.98823 (16120208)     50.69555
(15121708)     83.89915 (17022201)     86.57573 (15021508)
 3605347.5 |     46.23456 (17020108)     47.26344 (16121408)     60.57327
(16120208)     60.81562 (15121708)     66.00616 (15021508)
 3605097.5 |     50.26049 (17020907)     58.39342 (15013124)     67.46122
(16121408)     82.34348 (16120208)     83.21224 (16010908)
 3604847.5 |     51.83268 (16120805)     68.15278 (17020308)     78.46435
(17020601)     97.75484 (16021321)    129.68687 (16120208)
 3604597.5 |     51.99778 (15012401)     64.36047 (15010408)     85.38401
(16012908)    110.05174 (17020907)    154.50293 (17020108)
 3604347.5 |     50.61931 (16122808)     60.98291 (17012508)     76.92014
(16010821)    108.82300 (15121608)    166.45011 (16012908)
 3604097.5 |     51.97915 (15122708)     65.95609 (17122422)     84.97745
(15020702)    105.42946 (16011108)    144.72810 (17012508)
 3603847.5 |     53.27054 (15010808)     64.99419 (15010808)     80.00498
(15010808)    105.94941 (15010808)    152.90152 (17011708)
 3603597.5 |     53.70683 (15011603)     64.28498 (17122908)     80.63037
(16121804)     98.93200 (17011719)    137.46769 (15022622)
 3603347.5 |     53.39234 (15020721)     60.53750 (16011702)     78.87226
(17122623)    104.27259 (17121720)    123.71864 (17121308)
 3603097.5 |     52.12359 (16121801)     60.28866 (16022405)     72.11950
(17121308)     82.07812 (17020107)     67.80285 (15012201)
 3602847.5 |     51.23426 (17121308)     60.65721 (15092707)     47.30103
(15092707)     48.32982 (15121422)     53.30665 (16121802)
 3602597.5 |     45.89491 (15092707)     33.09675 (17122105)     37.77536
(17012504)     39.46271 (17121505)     44.74655 (16122704)
 3602347.5 |     25.61462 (15012201)     28.78831 (17021905)     31.33444
(17121505)     34.36815 (16021923)     37.07685 (16020501)
 3602097.5 |     22.56001 (16121224)     24.89849 (17121505)     26.82734
(17010801)     29.24401 (16120304)     34.24152 (17121706)
 3601847.5 |     20.39325 (17121505)     22.43250 (17122106)     23.29074
(17012722)     28.06539 (17040807)     29.76321 (17122601)
 3601597.5 |     18.70822 (16121724)     19.98075 (16122704)     20.99608
(17011624)     24.05610 (17022603)     38.27042 (17020408)
 3601347.5 |     17.05343 (16022007)     18.05413 (15122919)     24.50250
(17040807)     23.68396 (15041007)     43.83050 (17020408)
 3601097.5 |     15.66013 (17012722)     20.07958 (17040807)     18.96103
(17022603)     27.54371 (17020408)     42.87996 (17020408)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 471
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB1     ***
                                 INCLUDING SOURCE(S):     CTB1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     35.28724 (15082706)     46.49572 (17022408)     17.76771
(17022408)     11.74753 (16112208)     39.28180 (17032607)
 3605847.5 |     71.79474 (17021508)     85.82696 (16120908)     43.61016
(17022408)     32.17169 (15111919)     86.27231 (17032607)
 3605597.5 |     88.54273 (17021508)     54.73265 (16121101)     57.46817
(17012203)     68.21886 (17010907)     88.20340 (17032607)
 3605347.5 |     60.31243 (17021508)     63.00929 (16021807)     65.92587
(17022408)     38.88993 (16010424)    114.15541 (17120924)
 3605097.5 |     93.46994 (15021508)    120.82353 (16012808)     40.11932
(17022408)     32.91913 (17032607)     28.93106 (17032607)
 3604847.5 |    173.21906 (15120107)    158.00015 (16020419)     93.35206
(17022408)     51.31953 (17032607)     13.89643 (17032607)
 3604597.5 |    191.13331 (15123008)    168.35689 (15021508)     74.94142
(15092607)     86.80555 (17032607)     37.04524 (16111708)
 3604347.5 |    228.18135 (17020108)    320.58755 (15121708)    229.15233
(17070706)    146.97246 (17032607)     65.11289 (17022620)
 3604097.5 |    237.26308 (15121608)    409.48828 (17022604)    696.69722
(17010917)    875.82486 (16120120)    346.61001 (16123021)
 3603847.5 |    249.55401 (17011708)    425.10372 (15020724)   1362.79080
(16013002)   3109.62315 (15022304)    321.17290 (15022201)
 3603597.5 |    220.17919 (15011506)    351.05787 (17121308)    495.97134
(16021923)    436.30033 (15012817)    144.79207 (16040807)
 3603347.5 |    128.44090 (16021107)    150.56971 (15120324)    254.92934
(15021423)    364.98320 (17121306)    124.85389 (17020419)
 3603097.5 |     83.20356 (16121802)    110.36185 (17121706)    137.97326
(17020506)    208.41063 (17122218)    181.03282 (17122024)
 3602847.5 |     64.05230 (17012722)     81.91393 (17021207)     89.89466
(15022601)    108.36285 (15021621)    102.78539 (17010624)
 3602597.5 |     56.20462 (17121706)     83.25316 (17020408)     66.72292
(16010605)     79.37666 (16022704)     75.69921 (16011520)
 3602347.5 |     44.77476 (17122601)     61.55407 (17020408)     50.88540
(16122020)     61.51571 (17122922)     59.57406 (17123106)
 3602097.5 |     56.15442 (17020408)     39.03183 (15012823)     40.34611
(16022802)     49.17123 (17122922)     47.70057 (15020405)
 3601847.5 |     55.78090 (17020408)     32.77094 (17020506)     33.62476
(16012923)     40.38517 (17122922)     39.90473 (17121306)
 3601597.5 |     46.00658 (17020408)     28.14106 (16011319)     28.46736
(17020220)     34.34495 (17121519)     34.41624 (15021622)
 3601347.5 |     34.33040 (17020408)     24.35843 (15022601)     24.86901
(17020220)     29.64236 (17121519)     30.38723 (16112308)
 3601097.5 |     23.56246 (17020408)     21.69743 (15012120)     22.04875
(16121106)     26.02580 (17121519)     28.23924 (16112308)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 472
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB1     ***
                                 INCLUDING SOURCE(S):     CTB1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     15.18933 (17032607)     13.91275 (15121322)     10.14587
(16111708)      7.64779 (17020109)      5.61811 (17020109)
 3605847.5 |     14.04814 (16010705)     62.20041 (15122821)     15.60490
(16083007)      8.18008 (15022224)      8.32518 (16092207)
 3605597.5 |     64.70208 (15021924)     58.87627 (15080402)     30.26433
(15092321)     19.87007 (15022123)     10.28313 (17121809)
 3605347.5 |     85.94065 (15033023)     75.98273 (15030219)     78.78665
(17022521)     18.98345 (16092207)     10.55007 (15121922)
 3605097.5 |     25.55713 (16083007)     13.36662 (15022224)     23.38321
(16092207)     45.93156 (17090523)     12.44461 (15110508)
 3604847.5 |     17.13998 (16111708)     15.90857 (16092207)     13.58370
(17121809)     12.45984 (15022724)     14.62432 (15022818)
 3604597.5 |     20.61603 (16092207)     16.45701 (17121809)     11.89020
(15082707)     11.61849 (17032608)     20.06027 (17032608)
 3604347.5 |     43.11252 (17012305)     35.48061 (15022818)     37.23957
(17032608)     45.49644 (16040707)     44.79814 (16040707)
 3604097.5 |    100.15730 (17012417)     76.45588 (16040707)     38.10191
(16040707)     17.37244 (17082707)     16.62780 (17082707)
 3603847.5 |    123.78695 (17103122)     65.55037 (15122305)     36.59092
(17030408)     26.52442 (17030408)     20.70799 (17030408)
 3603597.5 |     66.64941 (16012417)     52.82495 (16011417)     45.47903
(15020117)     33.43959 (16012321)     23.86681 (15061907)
 3603347.5 |     92.02086 (16013009)     84.43482 (16040807)    119.11493
(16010217)     42.02924 (16120918)     77.20125 (16011517)
 3603097.5 |     69.40507 (16040518)    205.06794 (15013018)    128.65756
(17121101)    156.00100 (15121020)    138.02188 (15022202)
 3602847.5 |    204.22140 (15020908)    105.33077 (16010421)     92.13972
(17122124)     95.05224 (17022804)     80.78458 (16121121)
 3602597.5 |     73.98809 (17122024)     90.38156 (17021408)     76.73622
(17011224)     73.11504 (17122124)     71.35982 (16121203)
 3602347.5 |     55.91036 (15021719)     68.82719 (17120621)     65.54597
(17021408)     57.86371 (17011224)     52.28716 (17122124)
 3602097.5 |     44.99182 (15022808)     43.77745 (17122024)     58.15937
(15020908)     51.63783 (16121022)     86.86862 (17011224)
 3601847.5 |     38.79026 (16022321)     37.40943 (16121220)     43.34400
(17120621)     46.19879 (17021408)     42.25637 (16121022)
 3601597.5 |     33.68460 (16011520)     37.89834 (15022808)     30.02654
(17122024)     38.88277 (17120621)     38.22689 (17021408)
 3601347.5 |     29.17580 (17123106)     34.05544 (15022808)     25.79650
(15021820)     28.96782 (17120621)     34.72151 (15020908)
 3601097.5 |     26.18355 (17031208)     24.91502 (16022321)     27.42406
(15022808)     22.77856 (17122024)     29.57631 (17120621)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 473
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB1     ***
                                 INCLUDING SOURCE(S):     CTB1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.90483 (16092207)      8.66587 (17121809)      7.56871
(17121809)      5.82034 (17032908)
 3605847.5 |      9.41260 (17121809)      8.27283 (17121809)      6.43473
(17032908)      6.42447 (15082707)
 3605597.5 |      9.13514 (17121809)      7.14877 (17032908)      6.97110
(15082707)      5.26927 (15082707)
 3605347.5 |      7.97429 (17032908)      7.36172 (15082707)      4.73398
(15082707)      5.51686 (17122309)
 3605097.5 |      7.39963 (15082707)      5.53123 (17122309)      9.14449
(17122309)     11.26168 (17122309)
 3604847.5 |     12.85848 (16082307)     13.28817 (17122309)     18.61715
(16040707)     27.22215 (16040707)
 3604597.5 |     28.33294 (16040707)     36.41620 (16040707)     33.01896
(16040707)     23.86320 (16040707)
 3604347.5 |     29.42982 (16040707)     15.52736 (16040707)     10.34929
(17082707)     10.76370 (17082707)
 3604097.5 |     15.60360 (16090707)     15.35426 (16090707)     14.52031
(16090707)     13.41347 (16090707)
 3603847.5 |     17.31096 (17030408)     15.33756 (15062407)     14.20827
(15062407)     13.24869 (15062407)
 3603597.5 |     23.71323 (16052106)     16.25853 (15061907)     14.93986
(17042907)     12.89527 (17042907)
 3603347.5 |     35.89660 (15120117)     16.12937 (15122221)      8.44401
(15061907)      8.87376 (15061907)
 3603097.5 |     30.32102 (15022408)     13.58062 (16012417)     11.59916
(17122709)     10.30523 (17122709)
 3602847.5 |    106.18454 (15121020)     36.44482 (15022408)     30.33227
(15022408)     17.95979 (15022408)
 3602597.5 |     61.02444 (17062906)     37.47003 (16040807)     39.56653
(16040807)     30.17325 (15022408)
 3602347.5 |     58.36077 (16122817)     72.27444 (15031607)     34.47060
(17082901)     68.52469 (16040807)
 3602097.5 |     96.28777 (17040307)     41.82417 (15013018)     39.89387
(16121203)     36.72744 (17123017)
 3601847.5 |     70.99198 (17011224)     35.01108 (16121120)     32.12756
(15013018)     31.44699 (16121203)
 3601597.5 |     36.61306 (15020618)     32.18615 (17011224)     31.44936
(16121120)     26.95865 (16013009)
 3601347.5 |     30.71113 (17121417)     27.72706 (16010421)     26.75755
(17011224)     25.97937 (16121120)
 3601097.5 |     28.60614 (17021408)     26.95985 (16121022)     24.30813
(16010421)     24.14365 (17011224)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 474
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB1     ***
                                INCLUDING SOURCE(S):     CTB1        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      598.29203  (15010408)
507708.67   3603932.32      176.34864  (15122708)
        506203.59   3603369.23       40.13234  (15012720)
507919.87   3604794.52      157.35963  (15011121)
        507037.89   3604916.08       72.18570  (17020307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 475
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB2     ***
                                INCLUDING SOURCE(S):     CTB2        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.38935 (16020408)     15.11391 (16120805)     18.04281
(16012908)     19.75241 (17020308)     20.51716 (17040507)
 3605847.5 |     15.96131 (15040607)     15.29374 (15010408)     16.00483
(16020408)     19.25577 (16120805)     23.22150 (16012908)
 3605597.5 |     16.89153 (15040607)     18.58095 (15040607)     19.61289
(15040607)     19.76096 (15010408)     20.97998 (16020408)
 3605347.5 |     15.81052 (16011704)     16.30311 (15011608)     18.43141
(15040607)     20.40020 (15040607)     23.27250 (15040607)
 3605097.5 |     16.42522 (15011519)     17.61971 (17122703)     19.17142
(17012508)     19.26433 (15011608)     20.96592 (15011608)
 3604847.5 |     22.09583 (15040307)     22.08521 (15040307)     20.16330
(15040307)     20.35417 (15011519)     23.72532 (17122703)
 3604597.5 |     19.13863 (17092707)     19.55585 (17092707)     21.67709
(15040307)     25.74387 (15040307)     29.53033 (15040307)
 3604347.5 |     19.37523 (16040507)     19.33935 (16040507)     19.75002
(16010305)     21.95726 (16010305)     25.51256 (15122708)
 3604097.5 |     16.93383 (17011708)     18.99965 (17011708)     20.39377
(17011708)     22.29493 (17011708)     24.83259 (16021605)
 3603847.5 |     18.25809 (17021608)     19.44411 (17021608)     21.57630
(15010808)     23.42067 (15010808)     26.88938 (15010808)
 3603597.5 |     17.50060 (17021608)     17.91336 (17021608)     18.79009
(17021608)     21.05052 (15021102)     23.07585 (15021102)
 3603347.5 |     15.36573 (17022106)     16.81750 (15011603)     18.78038
(17122908)     20.54537 (17122908)     22.47515 (16121804)
 3603097.5 |     15.35431 (17021402)     16.43228 (17011719)     17.90258
(17011719)     20.58994 (15012720)     22.13549 (15022622)
 3602847.5 |     15.09370 (15022622)     15.85264 (17021302)     18.06431
(15020721)     19.29429 (16011702)     21.24112 (17120906)
 3602597.5 |     14.52134 (16011702)     15.88911 (17120906)     17.56425
(15011506)     21.98604 (15092907)     25.84578 (15092907)
 3602347.5 |     18.23999 (15092907)     21.21457 (15092907)     22.52788
(15092907)     21.30888 (15092907)     20.20081 (16022405)
 3602097.5 |     19.20790 (15092907)     17.07611 (15092907)     18.25457
(17092807)     23.40127 (17092807)     25.68337 (17092807)
 3601847.5 |     17.18248 (17092807)     21.09836 (17092807)     22.32540
(17092807)     25.59368 (15092707)     30.87969 (15092707)
 3601597.5 |     20.13613 (17092807)     22.07469 (15092707)     26.67040
(15092707)     27.24404 (15092707)     22.40115 (15092707)
 3601347.5 |     23.70507 (15092707)     25.15529 (15092707)     22.47819
(15092707)     16.30781 (15092707)     11.39062 (17122105)
 3601097.5 |     22.02048 (15092707)     17.60688 (15092707)     11.57981
(15092707)     10.29383 (17122105)     10.90718 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 476
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB2     ***
                                INCLUDING SOURCE(S):     CTB2        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.83974 (17040507)     25.88294 (17040507)     26.92333
(17020108)     27.37924 (16121408)     42.61659 (16120208)
 3605847.5 |     24.62673 (17020308)     30.15223 (17040507)     31.51378
(17040507)     31.11470 (17020108)     32.22871 (16121408)
 3605597.5 |     25.47282 (16120805)     29.49613 (16012908)     31.32982
(17020907)     37.71289 (17040507)     36.53989 (17020108)
 3605347.5 |     24.70429 (15010408)     26.42877 (17010206)     34.03410
(16012908)     38.53463 (17020308)     41.41165 (17040507)
 3605097.5 |     23.96057 (15040607)     28.37386 (15040607)     32.08731
(15010408)     35.07707 (15011008)     46.08729 (16012908)
 3604847.5 |     24.24632 (17012508)     26.74469 (15011608)     31.42151
(16010821)     35.75916 (15012401)     42.85916 (15010408)
 3604597.5 |     27.10613 (15040307)     28.99357 (16122808)     30.44547
(15011519)     35.93806 (17012508)     42.83829 (15011608)
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 3604347.5 |     28.99653 (17122422)     32.93266 (17122422)     35.43348
(16122806)     35.82258 (15020702)     44.17529 (16011108)
 3604097.5 |     28.15954 (16021605)     34.13949 (15020724)     38.14463
(15020724)     37.87775 (16120721)     42.18273 (16011421)
 3603847.5 |     31.03991 (15010808)     34.19241 (15010808)     36.33221
(15010808)     41.86868 (15010808)     47.29252 (15010808)
 3603597.5 |     26.52323 (15021102)     29.01675 (15021102)     31.94482
(16012807)     37.33143 (16012807)     46.17240 (16012807)
 3603347.5 |     25.01798 (16121804)     28.28251 (17021402)     31.73329
(17011719)     37.84698 (15012720)     45.18623 (15022622)
 3603097.5 |     23.96560 (15022622)     27.71339 (15020721)     30.65090
(16011702)     36.93633 (17120906)     44.17358 (17122623)
 3602847.5 |     23.42069 (15011506)     27.54391 (15092907)     32.63480
(15092907)     35.90524 (17121503)     43.38663 (17010708)
 3602597.5 |     26.99372 (15092907)     26.34019 (17121503)     30.65935
(17092807)     36.60380 (17092807)     49.73618 (15092707)
 3602347.5 |     27.02459 (17092807)     30.44773 (17092807)     38.50647
(15092707)     42.13347 (15092707)     30.13916 (15092707)
 3602097.5 |     30.80785 (15092707)     35.71491 (15092707)     31.58882
(15092707)     19.19997 (17122302)     20.79730 (15012201)
 3601847.5 |     29.49232 (15092707)     21.58683 (15092707)     16.21011
(17122105)     17.63335 (15121422)     18.96043 (16020521)
 3601597.5 |     14.24160 (15092707)     13.53395 (15012201)     14.87645
(17012504)     16.18954 (16020521)     17.19438 (15012624)
 3601347.5 |     12.16239 (15012201)     12.97559 (17012504)     13.92280
(16012302)     14.79445 (15012624)     15.77612 (16121724)
 3601097.5 |     11.58058 (15021422)     12.34021 (16012302)     13.18438
(15012624)     13.95866 (15120820)     14.73336 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 477
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB2     ***
                                 INCLUDING SOURCE(S):     CTB2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     45.91107 (16120208)     36.47686 (16010908)     61.42256
(17021308)     68.63957 (15021508)     66.23871 (17021320)
 3605847.5 |     48.08066 (16120208)     49.54986 (16120208)     46.88283
(16010908)     81.39437 (15021508)     76.28284 (15121303)
 3605597.5 |     38.54627 (16121408)     54.21730 (16120208)     50.26804
(15121708)     83.13848 (17011603)     89.02932 (15021508)
 3605347.5 |     45.16413 (17020108)     46.99179 (16121408)     59.97949
(16120208)     61.71569 (15121708)     65.18798 (17021308)
 3605097.5 |     49.80939 (17020907)     57.60977 (15013124)     65.98840
(16121408)     81.82471 (16120208)     83.78571 (16010908)
 3604847.5 |     50.08868 (16120805)     67.42058 (17020308)     78.02837
(17020601)     97.56190 (17020108)    129.15416 (16120208)
 3604597.5 |     51.04717 (15012401)     63.11258 (15010408)     82.87761
(16120805)    108.87023 (17020907)    155.42603 (17020108)
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```
 3604347.5 |     50.70082 (16122808)     60.58218 (17012508)     76.71256
(15011608)    106.95576 (15121608)    161.97646 (16012908)
 3604097.5 |     51.34460 (15122708)     65.15408 (17122422)     83.31897
(15020702)    104.21970 (16011108)    141.81809 (17012508)
 3603847.5 |     53.03285 (15010808)     64.73882 (15010808)     79.93559
(15010808)    105.95447 (15010808)    149.01562 (17121406)
 3603597.5 |     53.20053 (17122908)     63.35867 (17122908)     79.22971
(17021402)     97.22409 (17011719)    133.63964 (15022622)
 3603347.5 |     52.87383 (15020721)     59.87036 (17120906)     77.55872
(17122623)    102.43404 (17121503)    121.13145 (17121308)
 3603097.5 |     51.34528 (16121801)     59.55126 (17010708)     70.84500
(17121308)     80.47414 (17020107)     66.56653 (15012201)
 3602847.5 |     50.47190 (17121308)     60.09991 (15092707)     46.65311
(15092707)     47.61024 (15121422)     52.42914 (16121802)
 3602597.5 |     45.40942 (15092707)     32.70075 (17122105)     37.29219
(17012504)     39.02814 (17121505)     44.14154 (16122704)
 3602347.5 |     25.34304 (15012201)     28.47115 (17021905)     31.01455
(17121505)     34.00329 (16021923)     36.63625 (16020501)
 3602097.5 |     22.33960 (16121224)     24.67542 (17121505)     26.58243
(17010801)     28.91394 (16120304)     34.06581 (17121706)
 3601847.5 |     20.23021 (17121505)     22.19929 (17122106)     23.01603
(17012722)     27.70868 (17040807)     29.49371 (17122601)
 3601597.5 |     18.55321 (16121724)     19.80808 (16122704)     20.84524
(17011624)     23.75703 (17022603)     37.23989 (17020408)
 3601347.5 |     16.92160 (16022007)     17.90161 (15122919)     24.37811
(17040807)     23.40257 (15041007)     43.21060 (17020408)
 3601097.5 |     15.52917 (17012722)     19.74621 (17040807)     18.75843
(17022603)     26.75879 (17020408)     42.73748 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 478
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB2     ***
                                 INCLUDING SOURCE(S):     CTB2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.35940 (15082706)     45.13073 (17022408)     21.93289
(16112208)     12.27817 (16112208)     38.98417 (17032607)
 3605847.5 |     74.32332 (17021508)     89.03144 (16120908)     45.71178
(17022408)     34.14417 (15111919)     86.77497 (17032607)
 3605597.5 |     87.88355 (17021508)     53.07193 (16121101)     57.10983
(17012203)     69.55014 (17010907)     90.31619 (17032607)
 3605347.5 |     57.19004 (17010208)     63.57281 (16021807)     67.90967
(17022408)     40.27810 (16010424)    118.87354 (17120924)
 3605097.5 |     95.03575 (15021508)    132.22404 (16012808)     40.63984
(17022408)     30.07180 (17032607)     31.58802 (17032607)
 3604847.5 |    178.00588 (17013021)    163.26660 (16020419)     91.67556
(17022408)     47.41474 (17032607)     16.02801 (17032607)
 3604597.5 |    190.68265 (15123008)    172.77421 (15021508)     73.37465
(15092607)     82.21062 (17032607)     36.81493 (16111708)
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 3604347.5 |    219.31191 (17020108)    317.94998 (15121708)    242.89195
(17070706)    221.20874 (17032607)     68.76954 (17022620)
 3604097.5 |    230.82588 (15012401)    398.86448 (17022505)    717.54245
(17011421)    865.94997 (16120120)    373.97394 (16123021)
 3603847.5 |    241.28570 (17011708)    412.54137 (16021605)   1287.96132
(17012902)   3426.51101 (17010518)    321.57985 (17021904)
 3603597.5 |    214.19359 (17122623)    338.71758 (17121308)    466.67616
(16021923)    488.41059 (15012517)    157.12730 (16012617)
 3603347.5 |    124.70483 (16021107)    146.39147 (15120324)    245.86987
(16121719)    355.15893 (15021622)    132.96562 (17010522)
 3603097.5 |     81.50360 (16121802)    106.94738 (17121706)    135.83411
(15012823)    203.84278 (15021621)    178.99787 (15011107)
 3602847.5 |     63.08933 (17012722)     80.57515 (16021904)     88.68135
(15022601)    107.89213 (16022704)    102.41813 (17021807)
 3602597.5 |     55.49180 (17121706)     82.45775 (17020408)     65.97934
(16010605)     78.62653 (16022704)     75.73102 (16011520)
 3602347.5 |     44.42714 (17122601)     62.61351 (17020408)     50.61223
(16122020)     61.25783 (17122922)     59.08999 (17123106)
 3602097.5 |     54.87369 (17020408)     40.01447 (17020408)     40.17754
(16022802)     48.71480 (17122922)     47.46230 (15020405)
 3601847.5 |     55.50207 (17020408)     32.51304 (17020506)     33.41593
(16012923)     40.32354 (17121519)     39.57943 (15021622)
 3601597.5 |     46.43375 (17020408)     28.00673 (16011319)     28.19208
(17020220)     34.23077 (17121519)     34.04039 (15021622)
 3601347.5 |     35.03259 (17020408)     24.26858 (15022601)     24.73394
(17020220)     29.47691 (17121519)     30.47771 (16112308)
 3601097.5 |     24.25630 (17020408)     21.59568 (15012120)     21.95782
(17020220)     25.82996 (17121519)     28.12392 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 479
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB2     ***
                                 INCLUDING SOURCE(S):     CTB2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.23237 (17032607)     14.59771 (15121322)     10.19365
(16111708)      7.67367 (17020109)      5.68850 (17020109)
 3605847.5 |     14.12698 (16010705)     62.75319 (15122821)     15.83771
(16083007)      8.07656 (15022224)      8.30701 (16092207)
 3605597.5 |     66.63750 (15021924)     60.80272 (15080402)     32.56951
(15092321)     20.47892 (15022123)     10.29498 (17121809)
 3605347.5 |     90.62541 (15033023)     79.72861 (15030219)     81.48643
(17022521)     19.20084 (16092207)     10.72801 (15121922)
 3605097.5 |     25.58626 (16083007)     13.11314 (15022224)     23.59933
(16092207)     47.53185 (17090523)     12.48453 (15110508)
 3604847.5 |     17.97060 (16111708)     16.03949 (16092207)     13.71478
(17121809)     12.68520 (15022724)     15.04215 (15022818)
 3604597.5 |     20.55679 (16092207)     16.65700 (17121809)     11.96589
(15082707)     11.94386 (17032608)     20.38914 (17032608)
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 3604347.5 |     44.94124 (17012305)     36.67488 (15022818)     38.04457
(17032608)     46.33998 (16040707)     44.70825 (16040707)
 3604097.5 |    105.78400 (17012417)     77.02375 (16040707)     36.82890
(16040707)     17.69607 (17082707)     16.74848 (17082707)
 3603847.5 |    132.18923 (16051406)     68.85859 (15011221)     37.19037
(17030408)     26.77093 (17030408)     20.79082 (17030408)
 3603597.5 |     73.86129 (15022408)     58.14925 (16011417)     46.38856
(15020117)     34.56815 (16012321)     23.78695 (15061907)
 3603347.5 |     99.61801 (16013009)     83.00881 (16040807)    124.50894
(16010217)     42.91876 (16120918)     80.05394 (16011517)
 3603097.5 |     68.78218 (17011019)    203.64386 (17122124)    125.46255
(17123017)    161.00887 (15121020)    139.75387 (15022202)
 3602847.5 |    160.62172 (17120621)    104.99134 (16010421)     90.59530
(17122124)     94.27346 (16121203)     80.35228 (16121121)
 3602597.5 |     73.00361 (15011107)     89.65165 (17021408)     76.41680
(16010421)     70.75812 (17122124)     70.58429 (16121203)
 3602347.5 |     55.42222 (15021719)     67.05331 (17120621)     66.82567
(17021408)     57.09115 (17011224)     52.00487 (16121120)
 3602097.5 |     45.25803 (17021807)     43.51866 (17122024)     57.28000
(15020908)     51.36878 (16121022)     86.13708 (17011224)
 3601847.5 |     38.57373 (17011319)     37.23434 (16121220)     41.78390
(17120621)     45.65108 (17021408)     42.76096 (16121022)
 3601597.5 |     33.41650 (16011520)     38.21034 (15022808)     29.95657
(17122024)     38.85493 (17120621)     38.45572 (17021408)
 3601347.5 |     29.15578 (17123106)     33.14653 (15022808)     25.72930
(16121220)     27.83854 (17120621)     34.49664 (15020908)
 3601097.5 |     25.73980 (17031208)     24.82485 (16022321)     28.19222
(15022808)     22.75093 (17122024)     29.20099 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 480
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB2     ***
                                 INCLUDING SOURCE(S):     CTB2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.91541 (16092207)      8.68136 (17121809)      7.60792
(17121809)      5.83019 (17032908)
 3605847.5 |      9.42721 (17121809)      8.31957 (17121809)      6.44869
(17032908)      6.44049 (15082707)
 3605597.5 |      9.19219 (17121809)      7.16855 (17032908)      6.99192
(15082707)      5.28155 (15082707)
 3605347.5 |      8.00233 (17032908)      7.38680 (15082707)      4.74233
(15082707)      5.57141 (17122309)
 3605097.5 |      7.42585 (15082707)      5.59507 (17122309)      9.22812
(17122309)     11.32559 (17122309)
 3604847.5 |     12.94442 (16082307)     13.37593 (17122309)     19.00505
(16040707)     27.55113 (16040707)
 3604597.5 |     28.92276 (16040707)     36.71078 (16040707)     32.90620
(16040707)     23.54329 (16040707)
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 3604347.5 |     28.87784 (16040707)     15.03244 (16040707)     10.51929
(17082707)     10.88013 (17082707)
 3604097.5 |     15.90918 (16090707)     15.51994 (16090707)     14.58134
(16090707)     13.40216 (16090707)
 3603847.5 |     17.31402 (17030408)     15.69079 (15062407)     14.50274
(15062407)     13.49908 (15062407)
 3603597.5 |     22.84736 (16052106)     16.63482 (15061907)     14.85430
(17042907)     12.88793 (17042907)
 3603347.5 |     36.63169 (15120117)     15.87906 (15122221)      8.06115
(15061907)      8.59819 (15061907)
 3603097.5 |     32.13479 (15022408)     14.83249 (15022408)     11.63242
(17122709)     10.43031 (17122709)
 3602847.5 |    110.44286 (15121020)     36.03355 (15022408)     31.29803
(15022408)     19.12867 (15022408)
 3602597.5 |     64.28816 (15031607)     36.15592 (16040807)     40.03534
(16040807)     29.66770 (15022408)
 3602347.5 |     58.59058 (15013018)     71.75725 (15031607)     35.50454
(17082901)     67.04135 (16040807)
 3602097.5 |     96.67653 (17040307)     41.36029 (15013018)     40.20337
(16121203)     37.00442 (17123017)
 3601847.5 |     70.45186 (17011224)     35.35602 (16121120)     31.98991
(16121018)     31.23774 (16121203)
 3601597.5 |     36.14974 (15020618)     32.25959 (17011224)     31.61522
(16121120)     27.02794 (17122124)
 3601347.5 |     30.51520 (17021408)     27.38006 (16010421)     26.92006
(17011224)     26.06154 (16121120)
 3601097.5 |     28.28696 (17021408)     26.68082 (16121022)     24.20141
(16010421)     24.28693 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 481
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CTB2     ***
                            INCLUDING SOURCE(S):     CTB2        ,

                                        *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      575.15982  (15010408)
507708.67   3603932.32      171.69771  (15122708)
        506203.59   3603369.23       39.77414  (15012720)
507919.87   3604794.52      164.72381  (15011121)
        507037.89   3604916.08       71.53390  (17020601)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 482
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  DST1     ***
                            INCLUDING SOURCE(S):     DST1        ,

                             *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.62740 (15020808)     38.87019 (15020808)     37.50495
(16020408)     40.22524 (17010607)     49.62739 (17020308)
 3605847.5 |     54.30551 (15120108)     48.74014 (15040607)     43.12482
(15020808)     49.44749 (15020808)     47.07073 (16020408)
 3605597.5 |     39.91602 (15120108)     55.66112 (15120108)     68.51904
(15120108)     69.08101 (15120108)     57.15707 (15020808)
 3605347.5 |     38.57626 (17032907)     42.13354 (17032907)     42.40729
(17032907)     57.59964 (15120108)     82.98826 (15120108)
 3605097.5 |     48.72049 (15012708)     48.41441 (15012708)     47.97989
(16122808)     42.95143 (17032907)     53.07850 (17032907)
 3604847.5 |     48.18469 (16020508)     53.32034 (16020508)     53.78072
(16020508)     60.24141 (15012708)     71.39927 (15012708)
 3604597.5 |     37.19593 (15022521)     39.12854 (15012202)     43.11284
(15012202)     49.27320 (16022705)     65.03066 (16020508)
 3604347.5 |     43.58066 (15013008)     46.67381 (15013008)     50.91372
(15013008)     56.00785 (15013008)     62.45105 (15013008)
 3604097.5 |     49.66686 (17121208)     55.46981 (17121208)     59.22183
(17121208)     65.01662 (17121208)     72.75975 (17121208)
 3603847.5 |     34.75316 (16010120)     38.43928 (16010120)     43.85938
(16010120)     47.30050 (16010120)     54.21561 (17010904)
 3603597.5 |     36.61517 (17122908)     41.11416 (17122908)     47.72654
(17122908)     56.22616 (17121708)     62.68413 (17121708)
 3603347.5 |     36.67583 (17121708)     37.64307 (15120823)     41.05363
(15120823)     44.71741 (15011003)     49.61551 (15021021)
 3603097.5 |     33.35369 (15021021)     36.18740 (15122019)     38.52485
(17021301)     45.12862 (17122621)     46.65797 (16031807)
 3602847.5 |     31.99714 (17122621)     35.41808 (15012003)     39.12944
(15010407)     43.19103 (15092907)     52.48530 (15092907)
 3602597.5 |     35.40059 (15092907)     44.12607 (15092907)     43.19412
(15092907)     41.81814 (17121504)     47.55422 (15011108)
 3602347.5 |     31.68735 (17121504)     33.84319 (17020321)     38.40591
(15011108)     49.12706 (17092807)     46.13386 (16031707)
 3602097.5 |     32.48134 (17092807)     44.40134 (17092807)     40.29543
(17092807)     59.08823 (15092707)     68.56642 (15092707)
 3601847.5 |     36.50128 (17092807)     48.52422 (15092707)     62.05129
(15092707)     49.05420 (15092707)     41.77599 (15032207)
 3601597.5 |     56.13452 (15092707)     51.13480 (15092707)     35.03231
(15032207)     33.88054 (15032207)     29.05224 (16020522)
 3601347.5 |     35.58867 (15092707)     31.01223 (15032207)     25.57220
(15032207)     25.60014 (17122921)     28.02480 (17122924)
 3601097.5 |     26.50499 (15032207)     22.64043 (16020522)     23.17395
(16011423)     25.54533 (15010718)     26.46913 (17020101)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 483
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  DST1     ***
```

```
                                    INCLUDING SOURCE(S):     DST1        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     54.33593 (17010508)     64.36875 (17040507)     56.78178
(17020108)     59.11548 (17020108)     83.20669 (17013108)
 3605847.5 |     54.43973 (16012908)     64.01976 (17020308)     70.59407
(15021008)     63.50457 (17011420)     76.62091 (17020108)
 3605597.5 |     64.58215 (15020808)     59.96632 (15011008)     74.93473
(17020308)     84.89104 (17010508)     78.51974 (15120308)
 3605347.5 |     93.46433 (15120108)     75.05670 (15120108)     84.68036
(15020808)     79.65880 (15011008)    105.79075 (17020308)
 3605097.5 |     58.35170 (17032907)     97.49831 (15120108)    127.60439
(15120108)    113.02836 (15120108)    112.06458 (15020808)
 3604847.5 |     62.56106 (15012708)     64.13990 (16122808)     82.94807
(17032907)     94.77784 (15120108)    166.62634 (15120108)
 3604597.5 |     70.86096 (16020508)     84.45206 (16020508)     85.96605
(16020508)    104.73501 (15012708)    116.13814 (15012708)
 3604347.5 |     68.29351 (15013008)     73.18943 (15013008)     78.53570
(15022521)     77.92323 (15022521)     94.46230 (15012202)
 3604097.5 |     82.27918 (17121208)     99.81892 (17121208)    110.84487
(17121208)    110.25589 (17121208)    122.43112 (17121208)
 3603847.5 |     62.55031 (17010904)     68.99597 (17010904)     72.31201
(17010904)     83.38260 (16011622)     99.58025 (17122908)
 3603597.5 |     70.66198 (17121708)     71.13197 (17121708)     70.49548
(15120823)     81.14036 (15011003)    100.72791 (15021021)
 3603347.5 |     54.59408 (15122019)     59.78924 (17021301)     68.50639
(17122621)     82.08440 (15012003)     95.67846 (17012206)
 3603097.5 |     51.76815 (15012003)     60.06504 (17012206)     66.50266
(16122906)     79.33815 (17121504)     96.73191 (17121308)
 3602847.5 |     50.61157 (17121504)     59.95668 (15011108)     68.76742
(17121308)     84.74242 (16031707)    111.89369 (15092707)
 3602597.5 |     55.88728 (17092807)     60.67174 (16031707)     89.32304
(15092707)     74.08264 (15032207)     73.53696 (15032207)
 3602347.5 |     73.58186 (15092707)     73.37495 (15092707)     62.19399
(15032207)     50.68928 (16020522)     54.60628 (15010718)
 3602097.5 |     48.21537 (15032207)     46.20687 (15032207)     41.76631
(17122921)     45.79000 (15010718)     48.72561 (16032607)
 3601847.5 |     33.60469 (16020522)     35.31777 (17122924)     38.39894
(17011023)     41.85169 (16032607)     49.17226 (15010508)
 3601597.5 |     31.53645 (17122924)     33.04325 (17011023)     35.91056
(16032607)     42.55482 (15010508)     39.45861 (15123024)
 3601347.5 |     29.06627 (17011023)     31.48913 (16032607)     36.63941
(15010508)     34.82167 (16121205)     37.78960 (17011608)
 3601097.5 |     28.39202 (16032607)     32.65654 (15010508)     31.49287
(16121205)     33.35640 (15021520)     39.20176 (16052806)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 484
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  DST1     ***
```

```
                                    INCLUDING SOURCE(S):     DST1        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |    139.48707 (16120208)     97.08216 (16120708)    107.45727
(17013021)    174.71338 (15021508)    131.22171 (17021508)
 3605847.5 |     99.57992 (17013108)    153.88690 (16120208)    110.82289
(16120708)    184.18763 (15021508)    147.67324 (15121303)
 3605597.5 |     98.74383 (17020108)    122.47245 (17013108)    156.43117
(16120208)    163.80803 (16010223)    217.73416 (15021508)
 3605347.5 |    111.55200 (15021008)    123.35557 (17020108)    156.19087
(17013108)    159.24978 (16120708)    153.01794 (15120107)
 3605097.5 |    112.90194 (16012908)    147.30000 (17010508)    161.53756
(17020108)    213.68285 (17013108)    253.53495 (16120708)
 3604847.5 |    182.91811 (15120108)    169.23119 (15020808)    205.70013
(17020308)    250.44405 (15120308)    404.39863 (17013108)
 3604597.5 |    135.11854 (17032907)    198.05395 (15120108)    331.42740
(15120108)    304.23570 (16020408)    421.35734 (17010508)
 3604347.5 |    131.01077 (16020508)    181.11808 (16020508)    243.46139
(15012708)    309.95115 (15012708)    602.16221 (15120108)
 3604097.5 |    146.83710 (17121208)    185.48604 (17121208)    237.27762
(17121208)    282.73475 (17121208)    406.68114 (15013008)
 3603847.5 |    119.38415 (17121708)    160.91941 (17121708)    193.64604
(17121708)    224.04937 (15011003)    326.97244 (17122621)
 3603597.5 |    113.77136 (17021301)    134.63146 (15012003)    171.71792
(17012206)    220.80491 (15011108)    342.43496 (16031707)
 3603347.5 |    114.44657 (16122906)    134.17462 (15011108)    190.97478
(16031707)    215.89026 (15032207)    181.43743 (17011023)
 3603097.5 |    122.85437 (16031707)    122.65302 (15032207)    117.90364
(15032207)    126.05409 (17020101)    142.66349 (16121205)
 3602847.5 |    104.03751 (15032207)     82.81198 (16011423)     95.33184
(15121802)    106.52866 (15010508)    131.47941 (16052806)
 3602597.5 |     66.70602 (17122924)     74.59247 (15121802)     89.98258
(15010508)     91.91988 (16052806)     96.99637 (16021102)
 3602347.5 |     59.15306 (15121802)     71.55024 (15010508)     71.16245
(17011608)     80.64435 (15123108)     81.70075 (16011205)
 3602097.5 |     57.39539 (15010508)     56.78408 (15021520)     69.76840
(16052806)     67.63521 (16021102)     81.44377 (17012608)
 3601847.5 |     46.86418 (15012007)     56.72008 (16052806)     58.13692
(15123108)     57.75719 (15123001)    122.08915 (17020408)
 3601597.5 |     42.97228 (17011608)     49.06096 (16052806)     50.28176
(16021102)     55.58249 (15011308)    116.56382 (17020408)
 3601347.5 |     45.80736 (16052806)     43.15824 (15123108)     45.27370
(15123001)     78.36991 (17020408)     80.79216 (17020408)
 3601097.5 |     39.89653 (15123108)     40.62315 (16021102)     49.19123
(15041007)    102.55683 (17020408)     54.28536 (17111908)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 485
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  DST1     ***
```

```
                                    INCLUDING SOURCE(S):     DST1        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     72.60648 (16120206)    112.97379 (17022408)     36.23188
(15123009)     33.30651 (16091507)     39.16480 (17032607)
 3605847.5 |    136.96984 (17070706)    149.95198 (15022305)     92.00070
(16060301)     79.15322 (15010103)    125.66358 (16031023)
 3605597.5 |    195.44472 (17021508)    184.37204 (16120908)    149.49275
(15121702)    175.60757 (17032607)    185.78688 (16121520)
 3605347.5 |    152.81705 (17010724)    250.57920 (16120908)    131.64139
(16060301)    115.70128 (17032607)    216.81491 (15021924)
 3605097.5 |    279.84787 (15021508)    263.85719 (17070706)     63.37948
(16112208)    128.46304 (17032607)     55.62277 (16111708)
 3604847.5 |    391.60887 (15011206)    363.54190 (16020419)    144.60117
(15123009)     78.60714 (17032607)     46.14340 (17020109)
 3604597.5 |    663.94858 (17013108)    480.42675 (15021508)    167.85273
(15123009)     61.52636 (17042501)     68.23096 (16092207)
 3604347.5 |    715.50552 (16020408)   1380.50710 (17013108)    706.13479
(15081703)    303.68530 (17012307)     93.67508 (17100708)
 3604097.5 |    772.78870 (15013008)   1589.06418 (16020508)  11840.97135
(15021008)   2861.68914 (17122021)    734.70079 (16020303)
 3603847.5 |    549.54509 (16122906)   1004.05267 (15032207)   1958.91689
(17122108)   2010.40920 (17040307)    523.70619 (15011301)
 3603597.5 |    337.37478 (17122924)    514.07070 (16052806)    724.61175
(15011408)    514.53135 (15031822)    105.39792 (15122717)
 3603347.5 |    233.90826 (15021520)    301.00433 (15011308)    476.59265
(15120608)    499.35598 (17010608)    126.77085 (16123017)
 3603097.5 |    181.78190 (15123108)    248.08631 (17020408)    311.17864
(15120608)    283.77187 (17010222)    339.83763 (15121508)
 3602847.5 |    133.18364 (16011205)    147.95198 (17021124)    215.09272
(15120608)    180.39851 (17062106)    163.05098 (16011722)
 3602597.5 |    156.27032 (17020408)    111.31348 (15120607)    167.90881
(15120608)    138.56364 (17062106)    146.42457 (17010608)
 3602347.5 |    155.36020 (17020408)     91.79886 (17120701)    129.85743
(15120608)    112.63599 (15062406)    112.24832 (17010608)
 3602097.5 |     92.43027 (17020408)     85.10789 (16012208)    103.22295
(15120608)     94.68467 (15062406)     84.08697 (16121020)
 3601847.5 |     66.03845 (17111908)     74.72693 (16012208)     87.28594
(15120608)     84.81412 (17010308)     71.05998 (17010222)
 3601597.5 |     55.56951 (16120822)     66.90785 (15011408)     72.53725
(15120608)     75.43394 (17010308)     63.34411 (15021701)
 3601347.5 |     49.56160 (15021703)     61.14373 (15011408)     63.56901
(15120608)     66.84700 (17010308)     59.64647 (17062106)
 3601097.5 |     44.60754 (15021703)     55.69028 (15011408)     55.84297
(15120608)     59.80736 (17010308)     55.15309 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 486
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  DST1     ***
```

```
                                    INCLUDING SOURCE(S):     DST1        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.13805 (15042507)     41.00183 (16111708)     23.83782
(17020109)     10.27052 (17020109)     16.41529 (17121809)
 3605847.5 |     23.84071 (16083007)    130.21968 (16120518)     17.80965
(17020109)     16.56449 (16092207)     26.84763 (17121809)
 3605597.5 |    126.42319 (17060105)    109.98234 (16120223)     73.66446
(16100221)     60.00000 (17121809)     17.62151 (17012609)
 3605347.5 |    161.76861 (16120518)    175.70405 (16072606)    143.90415
(17040402)     39.69231 (17012609)     17.67627 (17032908)
 3605097.5 |     30.15767 (15022224)     38.96548 (17121809)     45.37502
(17012609)     94.88965 (15081905)     22.47856 (15112909)
 3604847.5 |     45.15931 (17121809)     32.06519 (17032908)     21.00654
(17100708)     22.82149 (17100708)     39.49475 (17032608)
 3604597.5 |     38.26847 (17032908)     31.22880 (17100708)     55.78591
(17032608)     92.24138 (16040707)     61.03335 (16040707)
 3604347.5 |    118.26083 (16040707)     90.41371 (16040707)     25.73519
(17082707)     33.00381 (17082707)     31.89364 (17082707)
 3604097.5 |    122.46067 (17030408)    102.86230 (17030408)     56.14008
(17030408)     42.54293 (17030408)     35.07271 (17030408)
 3603847.5 |    254.89605 (15091922)    107.43863 (17012318)     42.34287
(15020117)     45.95812 (15061907)     38.35845 (15061907)
 3603597.5 |    130.71669 (16111408)    123.17885 (16040807)     60.88498
(17122709)     40.31791 (17122709)     33.04020 (17122709)
 3603347.5 |     47.44949 (15122717)    114.57912 (16041107)    222.75010
(17011308)     90.19542 (16040807)    143.85527 (15022408)
 3603097.5 |     71.85718 (17101224)    269.33093 (17040307)    202.27745
(16011523)    219.38710 (15031607)    170.53988 (16040807)
 3602847.5 |    221.12708 (15121506)    162.14428 (15021604)    162.45076
(17040307)    145.95916 (16011523)    123.06710 (15031607)
 3602597.5 |    168.86274 (15121508)    138.98301 (15020908)    126.54432
(17022803)    133.52986 (17040307)    126.53691 (17040307)
 3602347.5 |     97.86474 (15121508)     91.62311 (17011123)    142.03823
(17021408)     90.51364 (17022803)    102.01895 (17040307)
 3602097.5 |     80.40676 (15011204)    106.22434 (15121508)     93.73376
(16010602)    102.10771 (17021408)    109.71647 (16010421)
 3601847.5 |     81.22329 (17010608)     79.83789 (15121508)     67.80518
(17011123)     79.68532 (15020908)     77.96985 (17011302)
 3601597.5 |     75.47829 (17010608)     61.22416 (15022808)     74.28026
(15121508)     65.29857 (16010602)     82.38394 (17021408)
 3601347.5 |     58.54871 (17010608)     58.47466 (15022808)     62.28631
(15121508)     50.82580 (17011123)     57.64047 (15011919)
 3601097.5 |     49.79546 (16121020)     51.70822 (17010608)     45.42378
(16011102)     58.13463 (15121508)     48.37277 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 487
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  DST1     ***
```

```
                                INCLUDING SOURCE(S):     DST1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      510368.86               510618.86               510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     24.29650 (17121809)     14.21873 (17012609)     16.46788
(17032908)     12.21045 (15082707)
 3605847.5 |     15.81880 (17012609)     17.60214 (17032908)     11.71652
(15082707)     10.45716 (17100708)
 3605597.5 |     18.17531 (17032908)      9.74314 (15082707)     14.10180
(17100708)     14.96608 (17100708)
 3605347.5 |     13.84717 (17100708)     17.10303 (17100708)     17.47562
(17122309)     25.17435 (17122309)
 3605097.5 |     19.96376 (17122309)     29.61925 (17122309)     28.86829
(16091707)     53.41435 (16040707)
 3604847.5 |     51.77708 (16040707)     70.71572 (16040707)     46.47004
(16040707)     18.76801 (16040707)
 3604597.5 |     21.35514 (17090407)     26.69113 (17082707)     20.07990
(17032307)     20.76527 (17082707)
 3604347.5 |     26.93342 (16090707)     27.81330 (16090707)     26.35195
(16090707)     23.61979 (16090707)
 3604097.5 |     30.64023 (17030408)     27.53215 (17030408)     25.18257
(17030408)     23.15232 (17030408)
 3603847.5 |     29.12567 (15061907)     23.08623 (17042907)     20.89356
(17042907)     18.42943 (17042907)
 3603597.5 |     30.02764 (17082908)     19.61012 (17062607)     17.30024
(17062607)     14.71443 (17062607)
 3603347.5 |     75.01978 (15111922)     29.34990 (17122709)     27.44908
(17122709)     21.44980 (17122709)
 3603097.5 |     72.36184 (16040807)     66.83213 (15022408)     32.51092
(15022408)     19.68962 (17122709)
 3602847.5 |    150.24673 (17011308)     78.35075 (16040807)     60.60705
(16040807)     58.29374 (15022408)
 3602597.5 |    106.00199 (17010220)     21.61017 (15012409)     34.87668
(16040807)     71.25722 (16040807)
 3602347.5 |    114.26793 (17040307)    106.99979 (16122817)     71.99825
(15011223)     82.48336 (16120121)
 3602097.5 |    113.75732 (17012905)     93.54562 (17040307)     72.84286
(16011523)     62.98888 (17010220)
 3601847.5 |     97.57571 (15011201)     68.46039 (17040307)     78.50338
(17040307)     57.63829 (16011523)
 3601597.5 |     68.25067 (15021604)     58.44036 (15011201)     61.21365
(17040307)     66.52015 (17040307)
 3601347.5 |     70.20173 (17021408)     49.24749 (17022803)     49.50872
(15011201)     50.94668 (17040307)
 3601097.5 |     51.14338 (15020908)     52.20631 (17021408)     42.32319
(17022803)     45.91239 (15011201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***         16:35:25

PAGE 488
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  DST1     ***
                                INCLUDING SOURCE(S):     DST1        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     2271.07128  (16031707)
507708.67   3603932.32      460.70046  (17121708)
        506203.59   3603369.23       86.41653  (15012003)
507919.87   3604794.52      373.37218  (17010802)
        507037.89   3604916.08      193.81571  (17020308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***         16:35:25

PAGE 489
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    , . . .       ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      504118.86               504368.86               504618.86
504868.86         505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.07206 (17040507)      8.88788 (16120208)     12.95892
(16120208)     15.50708 (16120208)     15.73886 (16120208)
 3605847.5 |      9.40513 (17040507)      9.00842 (17040507)     10.39684
(16120208)     15.57471 (16120208)     17.65044 (16120208)
 3605597.5 |     10.34262 (15040607)     10.87506 (15040607)     11.22131
(15040607)     13.07151 (16120208)     17.80437 (16120208)
 3605347.5 |     11.00025 (15040607)     10.88421 (15040607)     11.04596
(15040607)     11.59567 (15040607)     13.88696 (16120208)
 3605097.5 |     10.96134 (15040607)     11.98313 (17020308)     12.14740
(17020308)     11.51758 (17012508)     11.64143 (17012508)
 3604847.5 |     12.95698 (15040607)     12.07083 (15040607)     12.56847
(15040307)     13.09345 (17020308)     15.62640 (16122808)
 3604597.5 |     12.83538 (15040607)     14.07748 (15040607)     14.04165
(15040607)     15.07366 (16020408)     18.32068 (17020308)
 3604347.5 |     12.63872 (17012508)     13.27304 (17012508)     13.81501
(17011708)     15.91267 (15040607)     18.27512 (15121608)
 3604097.5 |     13.62045 (15040307)     15.11565 (16122808)     16.05197
(16122808)     17.66646 (17012508)     18.98263 (17012508)
```

```
 3603847.5 |     13.13295 (16011421)     14.91714 (17020524)     17.76348
(16020401)     19.30249 (15020702)     23.25679 (16011108)
 3603597.5 |     14.75041 (17011708)     16.25260 (17011708)     18.86527
(17011708)     20.97064 (16120722)     23.16221 (16120722)
 3603347.5 |     14.81246 (17122608)     16.82586 (17122608)     19.42096
(17122608)     21.96691 (17122608)     25.46178 (17122608)
 3603097.5 |     13.77402 (17122908)     15.57012 (17122908)     17.72508
(17122908)     22.01930 (17122908)     23.99413 (17122908)
 3602847.5 |     14.01749 (17011719)     15.58398 (15012720)     18.11004
(16021602)     19.51209 (16021602)     22.29124 (16021621)
 3602597.5 |     15.40309 (15092907)     16.28647 (15092907)     18.13041
(15092907)     20.11912 (15092907)     22.99425 (17121221)
 3602347.5 |     17.70206 (15092907)     17.98052 (15092907)     20.31818
(17092807)     25.45396 (15092707)     32.09577 (15092707)
 3602097.5 |     19.44375 (17092807)     22.54321 (15092707)     28.41124
(15092707)     30.71893 (15092707)     27.91758 (15092707)
 3601847.5 |     25.38114 (15092707)     28.32388 (15092707)     26.61516
(15092707)     20.46664 (15092707)     16.82871 (15022607)
 3601597.5 |     25.78723 (15092707)     21.37389 (15092707)     14.08881
(15092707)     14.47927 (15121422)     15.69965 (17021905)
 3601347.5 |     15.87523 (15092707)     12.02417 (15022607)     13.04282
(15121422)     13.83045 (17021905)     14.60000 (17121505)
 3601097.5 |     10.96300 (15022607)     11.75437 (15121422)     12.49587
(16121224)     13.22189 (17121505)     13.87430 (15013101)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 490
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     18.87372 (16120208)     20.15633 (16120208)     18.86318
(16120208)     16.41299 (15021508)     19.96607 (15021508)
 3605847.5 |     18.61924 (16120208)     19.85802 (16120208)     21.26781
(16120208)     17.88275 (16120208)     18.37127 (15021508)
 3605597.5 |     19.06702 (16120208)     20.10030 (16120208)     22.05888
(16120208)     23.30931 (16120208)     18.92327 (15021508)
 3605347.5 |     18.83279 (16120208)     19.96637 (16120208)     21.78195
(16120208)     23.34652 (16120208)     24.31835 (16120208)
 3605097.5 |     13.78391 (16120208)     19.90837 (16120208)     20.95500
(16120208)     22.57827 (16120208)     24.26063 (16120208)
 3604847.5 |     14.23204 (16122808)     15.80758 (17012508)     19.99380
(16120208)     20.84173 (16120208)     24.03741 (15121608)
 3604597.5 |     15.77725 (16020401)     17.55565 (16020401)     18.56999
(16122808)     22.70539 (16122808)     26.86461 (17012508)
 3604347.5 |     20.22322 (16012908)     23.10858 (17020308)     24.75469
(16120722)     23.39884 (16120722)     29.84051 (16011421)
 3604097.5 |     20.92300 (17122608)     25.86325 (17122608)     29.56202
(17122608)     29.34061 (17122608)     33.06622 (17122608)
 3603847.5 |     28.27602 (16122808)     31.30245 (17012508)     29.74468
(15021420)     34.30178 (16020408)     34.10960 (17011719)
 3603597.5 |     28.31574 (16011421)     31.63719 (17020524)     36.77480
(16020401)     47.89260 (16122808)     61.76025 (17012508)
 3603347.5 |     30.20500 (17122608)     36.95121 (17122608)     47.04440
(17122608)     69.17826 (17122608)    107.20235 (17122608)
 3603097.5 |     27.11180 (16010308)     34.01530 (17011719)     40.21711
(16021602)     54.20830 (16021621)     66.12768 (16021406)
 3602847.5 |     25.39686 (17120906)     31.63695 (16021406)     37.63685
(17121308)     47.42825 (16021107)     47.89901 (16021107)
 3602597.5 |     29.83603 (15092707)     37.58385 (15092707)     36.62984
(15092707)     32.49769 (16021922)     35.17734 (16020706)
 3602347.5 |     34.58812 (15092707)     29.29212 (15092707)     26.39950
(16021922)     28.52987 (16020706)     29.34779 (16011601)
 3602097.5 |     19.50776 (15092707)     21.61207 (16022207)     23.52666
(16020706)     24.28060 (16011601)     25.35231 (17011608)
 3601847.5 |     18.21065 (17021905)     19.43794 (16020706)     20.54370
(15120324)     21.48627 (17022221)     22.09235 (17120918)
 3601597.5 |     16.55619 (17121505)     17.46815 (16020219)     18.19099
(17022221)     19.07344 (17122820)     20.72090 (17022103)
 3601347.5 |     15.41100 (16020219)     15.94750 (17010801)     16.60503
(16011202)     16.92954 (17022222)     18.48683 (16011119)
 3601097.5 |     14.53218 (17010801)     14.87929 (16122704)     15.47417
(17120918)     16.95001 (17040807)     20.74237 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 491
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     20.49605 (17021508)     22.40650 (17021508)     34.40387
(16120908)     29.94488 (16020207)     30.93296 (15100707)
```

```
 3605847.5 |     19.75160 (15021508)     26.38829 (17021508)     20.31950
(16121101)     27.93215 (16051624)     28.81930 (15100707)
 3605597.5 |     20.18229 (15021508)     21.85639 (17021508)     21.57221
(16021807)     34.54750 (17011402)     27.99286 (15100707)
 3605347.5 |     26.29374 (15021508)     21.00885 (15021508)     21.90451
(17021508)     25.12324 (16120106)     35.07252 (15010907)
 3605097.5 |     25.61124 (16120208)     31.88485 (15021508)     35.21172
(17021508)     35.60714 (16121101)     51.04629 (15010907)
 3604847.5 |     27.19217 (17020308)     31.00264 (16120708)     34.31191
(15021508)     75.24413 (16120908)     82.54016 (15100707)
 3604597.5 |     31.95152 (17012508)     37.20810 (15121608)     41.73240
(16120708)     81.16784 (16120908)    105.12071 (15100707)
 3604347.5 |     35.06290 (17020524)     43.16198 (16020508)     60.95434
(16122808)     77.74820 (16012808)    224.88420 (15010907)
 3604097.5 |     42.17430 (17122608)     59.72065 (17122608)     88.01710
(17122608)    143.08089 (17122908)    345.29364 (17120924)
 3603847.5 |     37.19174 (16021602)     47.77442 (16021621)     57.71616
(17121221)     83.56729 (17121308)    331.11242 (17120924)
 3603597.5 |     60.93835 (17020308)     58.13702 (17013108)     67.95061
(17013108)     80.47908 (15120108)    294.52407 (16122307)
 3603347.5 |    217.06152 (17122608)    531.95491 (17011708)    452.60354
(17011708)    406.86658 (16120224)    396.31411 (16120224)
 3603097.5 |     75.62437 (17121308)     74.78694 (17121308)     72.52589
(17011608)     94.66266 (15121901)    122.75514 (17122205)
 3602847.5 |     44.57345 (16020706)     48.57168 (17011608)     58.11412
(17022103)     65.89035 (16021123)     67.35550 (16120423)
 3602597.5 |     36.20251 (16011601)     39.99478 (17120918)     52.32214
(17020408)     47.15414 (15011724)     48.46023 (15121123)
 3602347.5 |     30.94651 (17011608)     35.28670 (16011119)     52.39638
(17020408)     36.46642 (17121323)     36.91896 (15121123)
 3602097.5 |     26.39894 (17022103)     34.05928 (17020408)     42.51895
(17020408)     28.58882 (15011007)     29.91323 (15121123)
 3601847.5 |     24.12544 (16011119)     40.07221 (17020408)     30.88294
(17020408)     23.37229 (16122020)     24.99822 (15121123)
 3601597.5 |     25.53849 (17020408)     39.62192 (17020408)     21.80929
(17020408)     20.02145 (15010823)     21.57088 (15121123)
 3601347.5 |     30.99263 (17020408)     34.68923 (17020408)     18.48820
(15011724)     17.83750 (16012923)     18.97927 (15121123)
 3601097.5 |     34.17848 (17020408)     28.21463 (17020408)     16.34501
(15022601)     15.98088 (16012923)     17.15366 (15121123)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 492
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     20.36974 (17032607)     16.44373 (17032607)      7.78847
(16083007)      8.87788 (16083007)     11.28690 (16083007)
 3605847.5 |     24.04661 (17032607)     34.75188 (16031023)     11.05552
(16083007)     14.59476 (16111708)     14.93744 (16100201)
 3605597.5 |     27.27926 (17032607)     58.00515 (16121520)     36.31158
(15033023)     47.01056 (17032207)     27.09290 (16100201)
 3605347.5 |     53.70305 (17032607)     52.39994 (16120120)     16.08742
(16111708)     15.03573 (17020109)     30.66897 (16072606)
 3605097.5 |     79.36441 (17120924)     27.54953 (16111605)     13.26477
(16083007)      8.86577 (17121809)     11.97984 (16092207)
 3604847.5 |     42.53529 (17032607)     31.29146 (16111605)     15.74439
(17020109)     11.05537 (17121809)      9.16214 (17121809)
 3604597.5 |     75.59242 (15021924)     19.65941 (17121809)     15.16812
(16092207)     10.04499 (17121809)     13.73688 (17032608)
 3604347.5 |    121.26885 (16011603)    109.84248 (15012220)     43.61115
(16040707)     31.45430 (16040707)     23.69123 (16040707)
 3604097.5 |    163.77019 (15060206)    198.05835 (16121201)    200.85696
(16121202)    164.61879 (16121202)     62.86994 (15081723)
 3603847.5 |     91.03289 (15012220)     65.26277 (16010423)     60.06845
(17020924)     54.37914 (17011308)     32.07752 (17072903)
 3603597.5 |     99.49668 (16010423)     74.96575 (17122021)     62.83710
(17122021)     23.52662 (15090401)     16.75921 (16090707)
 3603347.5 |    200.72375 (15022806)    104.55473 (15022806)     95.94262
(15022806)     75.61894 (16120224)     19.41808 (15062407)
 3603097.5 |     62.87538 (17021020)     61.01643 (16121123)     64.12375
(17120919)     61.35529 (17022601)     54.09473 (16121202)
 3602847.5 |     39.19108 (17122718)     35.33721 (15121020)     36.45207
(15022202)     33.81097 (17021020)     35.47728 (15121507)
 3602597.5 |     35.34555 (15011921)     26.75931 (17021408)     25.52434
(17021408)     24.89662 (16040807)     24.74735 (16121122)
 3602347.5 |     29.38335 (15020321)     22.13453 (17021104)     22.45283
(17021408)     19.45590 (17021408)     19.56785 (16040807)
 3602097.5 |     24.91396 (16121418)     20.25852 (15021419)     17.80775
(15121506)     18.25388 (17021408)     15.53240 (17021408)
 3601847.5 |     21.68940 (15021622)     18.47635 (17011319)     15.77057
(16121220)     15.72107 (17120621)     15.55810 (17021408)
 3601597.5 |     19.35519 (15121602)     17.06840 (15011921)     15.28123
(15022808)     13.30441 (15121506)     14.90721 (17021408)
 3601347.5 |     18.44535 (16112308)     15.65678 (15010918)     14.39482
(15022808)     12.02683 (16121220)     13.41710 (17120621)
 3601097.5 |     17.13344 (16112308)     14.66312 (15020321)     13.44754
(16022321)     13.35549 (15022808)     11.10651 (15121506)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 493
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,
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                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      6.18716 (17020109)     11.44787 (16092207)      7.79725
(17121809)      8.17552 (17121809)      6.28024 (17121809)
 3605847.5 |     10.52856 (16092207)     23.88792 (16021524)      8.69975
(17121809)      6.69514 (17121809)      6.31272 (17032908)
 3605597.5 |     18.35758 (16100201)     23.15642 (17040402)     15.59447
(17090523)     12.40607 (15082707)      5.79447 (15082707)
 3605347.5 |     28.28805 (17040402)     27.78543 (17090523)     27.61008
(17071906)      8.96731 (15110508)      4.90422 (17122309)
 3605097.5 |      8.38242 (17121809)      7.13394 (17032908)      8.79337
(15110508)     15.66423 (17110207)      9.44163 (16040707)
 3604847.5 |      7.25738 (17032908)      8.61796 (17122309)     13.99714
(16040707)     18.27482 (16040707)     18.40887 (16040707)
 3604597.5 |     19.87624 (16040707)     21.39649 (16040707)     17.34000
(16040707)     13.83380 (16040707)     13.59319 (16040707)
 3604347.5 |     15.51211 (17082707)     14.94225 (17082707)     14.76323
(16040707)     16.05333 (16040707)     14.56808 (16040707)
 3604097.5 |     23.74264 (15062407)     17.33342 (16040707)     13.15870
(16040707)      8.94121 (15062407)      8.28648 (15062407)
 3603847.5 |     23.72354 (15091922)     13.07841 (17082707)      6.94115
(15061907)      7.10571 (15061907)      6.53927 (15061907)
 3603597.5 |     15.30258 (16040807)     13.03770 (15022408)      9.02581
(16090707)      6.86258 (17091507)      6.23972 (17082908)
 3603347.5 |     11.55020 (16040807)     14.04665 (16040807)     26.06332
(16040807)     12.19098 (15022408)     17.15419 (15022408)
 3603097.5 |     10.82472 (16041107)     27.75796 (15041924)     31.68290
(15041924)     25.32510 (16040807)     25.66974 (16040807)
 3602847.5 |     29.53994 (16012801)     29.84768 (15011222)     27.79942
(17120919)     27.00061 (15012020)     29.51040 (17022601)
 3602597.5 |     26.78352 (15022202)     22.83480 (17021020)     24.39473
(15121507)     22.86238 (16121123)     26.30862 (16121123)
 3602347.5 |     23.92949 (16040807)     23.14828 (16040807)     21.95405
(15022408)     17.97648 (17022805)     18.63570 (17022806)
 3602097.5 |     13.75701 (16122817)     19.94462 (16040807)     23.67192
(16040807)     22.38310 (16040807)     22.06361 (15022408)
 3601847.5 |     13.68513 (17021408)     13.41883 (16122817)     13.64385
(16040807)     18.42809 (16040807)     23.35742 (16040807)
 3601597.5 |     14.23800 (17021408)     11.90331 (17021408)     11.67766
(16122817)     10.93920 (16122817)     13.52780 (16040807)
 3601347.5 |     13.71828 (17021408)     12.64579 (17021408)      9.91227
(17021919)     10.65050 (16122817)     10.57793 (16122817)
 3601097.5 |     12.28928 (17120621)     12.54293 (17021408)     10.43698
(17021408)      9.78341 (17021919)      9.61009 (15013119)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 494
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                 INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      5.96171 (17032908)      5.58694 (15082707)      4.73510
(15082707)      3.23466 (15082707)
 3605847.5 |      5.75707 (15082707)      4.48374 (15082707)      2.78573
(15082707)      4.37332 (17122309)
 3605597.5 |      4.08968 (15082707)      4.61976 (17122309)      6.40124
(17122309)      7.58434 (17122309)
 3605347.5 |      6.98157 (17122309)      8.24397 (17122309)     10.48728
(16040707)     13.81759 (16040707)
 3605097.5 |     14.16191 (16040707)     16.65771 (16040707)     16.63774
(16040707)     15.50238 (16040707)
 3604847.5 |     16.15875 (16040707)     14.47701 (16040707)     14.08559
(16040707)     13.93422 (16040707)
 3604597.5 |     14.52256 (16040707)     14.38902 (16040707)     12.51622
(16040707)      9.54056 (16040707)
 3604347.5 |     11.02582 (16040707)      7.13676 (16040707)      5.86326
(16090707)      5.48531 (16090707)
 3604097.5 |      7.73453 (15062407)      7.26308 (15062407)      6.85564
(15062407)      6.49989 (15062407)
 3603847.5 |      5.97542 (16090707)      5.97028 (16090707)      5.83113
(16090707)      5.59286 (16090707)
 3603597.5 |      5.89493 (17082908)      5.51428 (17030408)      5.41165
(17030408)      5.29739 (17030408)
 3603347.5 |     12.21003 (15062407)      6.38112 (15062407)      6.13744
(15062407)      5.92080 (15062407)
 3603097.5 |     11.38465 (15022408)      9.29978 (15022408)      5.62294
(15022408)      4.73053 (17122709)
 3602847.5 |     23.11022 (16040807)     11.58791 (16040807)     10.65081
(15022408)      9.27996 (15022408)
 3602597.5 |     11.55469 (15011223)     11.61236 (16040807)     12.27139
(16040807)     10.52721 (16040807)
 3602347.5 |     21.91796 (15011501)     13.08094 (15031607)     10.07234
(16040807)     13.22288 (16040807)
 3602097.5 |     19.31083 (15022408)     16.98575 (16040807)     17.80527
(16040807)     18.96233 (16040807)
 3601847.5 |     23.00492 (16040807)     19.12270 (16040807)     17.44996
(15022408)     15.99124 (15022408)
 3601597.5 |     21.22530 (16040807)     19.69808 (16040807)     21.54859
(16040807)     16.47862 (16040807)
 3601347.5 |      9.53717 (17022804)     12.15670 (16040807)     16.41676
(16040807)     19.47810 (16040807)
 3601097.5 |      8.39488 (16122817)      9.02679 (16122817)      8.23320
(16040807)     13.76123 (16040807)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25
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PAGE 495
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                              INCLUDING SOURCE(S):     L0001590    , L0001591
, L0001592    , L0001593    , L0001594    ,
                 L0001595    , L0001596    , L0001597    , L0001598    , L0001599
, L0001600    , L0001601    , L0001602    ,
                 L0001603    , L0001604    , L0001605    , L0001606    , L0001607
, L0001608    , L0001609    , L0001610    ,
                 L0001611    , L0001612    , L0001613    , L0001614    , L0001615
, L0001616    , L0001617    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                  ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63       78.72627  (17022805)
507708.67   3603932.32      131.98249  (16120518)
        506203.59   3603369.23       75.19801  (17122608)
507919.87   3604794.52       29.31814  (16090705)
        507037.89   3604916.08       34.49175  (15021508)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 496
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA1     ***
                              INCLUDING SOURCE(S):     HMA1        ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                  ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      2.55969 (15071922)      2.59591 (17090106)      2.69895
(16042007)      3.36712 (17040507)      3.88933 (17040507)
 3605847.5 |      2.57235 (17120303)      2.50585 (16112503)      2.57026
(17111308)      3.00367 (16042007)      3.42281 (17040507)
 3605597.5 |      2.56859 (15101122)      2.68634 (17122409)      2.88960
(17122409)      2.93307 (17122409)      3.10241 (17111308)
 3605347.5 |      2.80390 (15040307)      2.71364 (17090707)      2.75339
(17122409)      2.91519 (17122409)      3.32266 (17122409)
 3605097.5 |      3.63404 (15040307)      3.59989 (15040307)      3.46569
(15040307)      3.04432 (15040307)      3.00045 (17122409)
 3604847.5 |      3.84133 (15040307)      3.99750 (15040307)      4.02153
(15040307)      4.05453 (15040307)      4.25913 (15040307)
 3604597.5 |      3.59335 (17092707)      3.70665 (17092707)      3.86865
(15040307)      4.26309 (15040307)      4.73031 (15040307)
 3604347.5 |      3.92121 (16040507)      4.04698 (16040507)      4.22241
(16040507)      4.42653 (16040507)      4.66956 (16040507)
 3604097.5 |      3.47723 (16040507)      3.74577 (16040507)      3.90690
(16040507)      4.12868 (16040507)      4.39868 (16040507)
 3603847.5 |      3.30635 (17021608)      3.45667 (17021608)      3.69043
(17021608)      3.77718 (17021608)      3.99233 (17021608)
 3603597.5 |      3.06104 (15021808)      3.18536 (15021808)      3.37869
(15021808)      3.51818 (15021808)      3.59732 (15021808)
 3603347.5 |      2.85304 (15021808)      2.88751 (15021808)      2.90374
(15021808)      2.85718 (15021808)      2.78482 (15021808)
 3603097.5 |      2.50626 (15111907)      2.51400 (15111224)      2.57844
(16093005)      2.58382 (16093005)      2.80955 (15092907)
 3602847.5 |      2.47184 (15102923)      2.65179 (15092907)      3.04429
(15092907)      3.36662 (15092907)      3.68261 (15092907)
 3602597.5 |      3.02173 (15092907)      3.28897 (15092907)      3.57049
(15092907)      3.74654 (15092907)      3.83071 (15092907)
 3602347.5 |      3.30913 (15092907)      3.40844 (15092907)      3.42388
(15092907)      3.59045 (17092807)      3.96659 (17092807)
 3602097.5 |      3.09287 (15092907)      3.37779 (17092807)      3.64896
(17092807)      3.78907 (17092807)      4.03345 (15092707)
 3601847.5 |      3.38075 (17092807)      3.49824 (17092807)      3.64578
(15092707)      3.89151 (15092707)      4.00116 (15092707)
 3601597.5 |      3.36263 (15092707)      3.59879 (15092707)      3.69644
(15092707)      3.63894 (15092707)      3.37133 (15092707)
 3601347.5 |      3.46425 (15092707)      3.45910 (15092707)      3.30115
(15092707)      2.97816 (15092707)      2.66145 (17102519)
 3601097.5 |      3.19980 (15092707)      2.97935 (15092707)      2.63942
(15092707)      2.57589 (17102519)      2.60086 (16092705)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 497
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA1     ***
                              INCLUDING SOURCE(S):     HMA1        ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                  ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      4.62644 (17040507)      4.80355 (17040507)      4.35063
(17040507)      3.31739 (17040507)      4.00911 (16022608)
 3605847.5 |      4.22023 (17040507)      4.87616 (17040507)      5.25187
(17040507)      4.63112 (17040507)      3.72625 (17040507)
 3605597.5 |      3.52469 (16042007)      4.19342 (17040507)      5.14818
(17040507)      5.76728 (17040507)      5.20332 (17040507)
 3605347.5 |      3.37620 (17122409)      3.52303 (17111308)      4.06224
(16042007)      5.13171 (17040507)      6.07280 (17040507)
 3605097.5 |      3.38147 (17122409)      3.88775 (17122409)      3.95250
(17122409)      4.06460 (17111308)      4.79392 (17040507)
 3604847.5 |      3.76523 (15040307)      3.50385 (15040307)      4.01322
(17122409)      4.43193 (17122409)      4.66543 (17122409)
```

```
 3604597.5 |      4.52328 (15040307)      4.72042 (15040307)      4.47932
(15040307)      4.50581 (15040307)      4.35698 (17122409)
 3604347.5 |      4.87094 (16040507)      4.99825 (16040507)      4.86661
(16040507)      4.60686 (15040307)      4.83950 (15040307)
 3604097.5 |      4.70462 (16040507)      5.22467 (16040507)      5.43490
(16040507)      5.02981 (16040507)      4.66753 (16040507)
 3603847.5 |      4.21324 (17021608)      4.26775 (17021608)      4.34772
(15090707)      4.64140 (15090707)      4.87899 (15090707)
 3603597.5 |      3.74850 (15021808)      3.77286 (15021808)      3.76027
(15021808)      3.76246 (15021808)      3.77488 (15021808)
 3603347.5 |      2.74104 (17120403)      2.88960 (17120403)      3.01455
(17120403)      3.44906 (15092907)      3.85707 (15092907)
 3603097.5 |      3.20862 (15092907)      3.74812 (15092907)      4.13803
(15092907)      4.64161 (15092907)      4.76575 (15092907)
 3602847.5 |      3.95479 (15092907)      4.25854 (15092907)      4.26385
(15092907)      4.82304 (17092807)      5.24131 (17092807)
 3602597.5 |      3.88653 (17092807)      4.39376 (17092807)      4.61214
(17092807)      4.99678 (15092707)      5.22520 (15092707)
 3602347.5 |      4.22899 (17092807)      4.51599 (15092707)      4.73912
(15092707)      4.56861 (15092707)      3.78022 (15092707)
 3602097.5 |      4.27310 (15092707)      4.27607 (15092707)      3.98218
(15092707)      3.21338 (15092707)      2.71303 (17120405)
 3601847.5 |      3.82137 (15092707)      3.40067 (15092707)      2.71858
(15092707)      2.54780 (17120405)      2.52391 (17110223)
 3601597.5 |      2.91627 (15092707)      2.69765 (16092705)      2.57394
(15021219)      2.58463 (15090306)      2.87695 (16022508)
 3601347.5 |      2.67205 (16092705)      2.55964 (16110805)      2.56512
(15090306)      2.70617 (16022508)      3.17879 (16022508)
 3601097.5 |      2.52341 (16103122)      2.52098 (15090306)      2.68883
(17102503)      3.03247 (16022508)      3.16129 (16022508)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 498
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA1     ***
                                 INCLUDING SOURCE(S):     HMA1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      4.05516 (16022608)      4.25685 (17041607)      4.87409
(17041607)      5.56105 (17021508)      6.84094 (17021508)
 3605847.5 |      4.12292 (16022608)      4.20022 (17041607)      5.03563
(17041607)      5.06010 (17041607)      6.34532 (17021508)
 3605597.5 |      4.21567 (17040507)      4.49385 (15041807)      4.80030
(17041607)      6.00243 (17041607)      5.56852 (17031608)
 3605347.5 |      6.24433 (17040507)      4.80357 (17040507)      4.85822
(15041807)      4.99733 (17041607)      5.32826 (17041607)
 3605097.5 |      6.18391 (17040507)      6.98659 (17040507)      6.11674
(17040507)      6.25563 (15041807)      6.26102 (17041607)
 3604847.5 |      4.76439 (17111308)      5.99198 (17040507)      7.09385
(17040507)      7.33958 (15042907)      8.09206 (15041807)
```

```
 3604597.5 |      5.20323 (17122409)      5.66857 (17122409)      5.81401
(15042907)      7.86929 (15042907)      9.35749 (15042907)
 3604347.5 |      4.51731 (15040307)      4.40428 (17122009)      5.68231
(17122409)      6.80317 (17122409)      8.16572 (15042907)
 3604097.5 |      4.67706 (15090707)      4.96808 (15090707)      5.15792
(17120517)      5.53473 (17120517)      7.00000 (15021403)
 3603847.5 |      4.92072 (15090707)      5.28093 (15090707)      5.31992
(15090707)      5.65594 (15010809)      6.91666 (15012603)
 3603597.5 |      3.54923 (15090707)      3.38759 (15090707)      3.84548
(15031518)      4.69698 (15031518)      6.23200 (15031419)
 3603347.5 |      4.03842 (15092907)      3.57749 (15092907)      3.83882
(16022808)      4.63454 (16122120)      5.01695 (17041707)
 3603097.5 |      4.74875 (17092807)      4.73052 (15092707)      4.08609
(15092707)      4.28018 (17041707)      4.10316 (17041707)
 3602847.5 |      5.46023 (15092707)      4.98390 (15092707)      3.62928
(17041707)      3.88020 (16010309)      4.55764 (16010309)
 3602597.5 |      4.36944 (15092707)      3.26026 (15092707)      3.59272
(16010309)      4.25258 (16010309)      4.41908 (16091807)
 3602347.5 |      2.87744 (17120405)      3.15304 (16010309)      3.85081
(16010309)      3.91884 (16091807)      5.96743 (16091807)
 3602097.5 |      2.76268 (16010309)      3.39536 (16010309)      3.55907
(16010309)      5.21070 (16091807)      6.59086 (16091807)
 3601847.5 |      3.01911 (16010309)      3.34754 (16022508)      4.18857
(16091807)      5.86385 (16091807)      6.46033 (16091807)
 3601597.5 |      3.31127 (16022508)      3.33672 (16091807)      4.90572
(16091807)      6.01802 (16091807)      5.90161 (16091807)
 3601347.5 |      3.20240 (16022508)      4.04112 (16091807)      5.35173
(16091807)      5.89526 (16091807)      5.21547 (16091807)
 3601097.5 |      3.29299 (16091807)      4.57114 (16091807)      5.47990
(16091807)      5.51015 (16091807)      4.54205 (16091807)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 499
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA1     ***
                                 INCLUDING SOURCE(S):     HMA1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     22.48610 (17020920)     18.91654 (17011402)     26.70938
(16060301)      7.86249 (15010103)     20.58177 (15010103)
 3605847.5 |      5.68053 (17021508)      5.09184 (16083107)     21.36000
(16020207)     29.86205 (15010907)     10.60108 (17120924)
 3605597.5 |      7.55938 (16012519)      6.21739 (17021508)      5.70135
(16083107)      4.58340 (15011409)      4.81047 (15122306)
 3605347.5 |      6.87631 (17021508)      6.14280 (17021508)     16.26128
(16020207)     34.94186 (15010907)      4.51342 (16083007)
 3605097.5 |      6.06372 (16012809)      5.84308 (17021508)     26.34813
(15121906)     14.40949 (15112808)     50.89630 (15021924)
 3604847.5 |      7.49702 (17041607)      7.01178 (16012809)     60.72362
(16120106)     18.15386 (15112808)      5.30442 (16111708)
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 3604597.5 |      8.81300 (15041807)      9.58985 (16122206)     93.85902
(15022305)     23.29915 (15112808)      7.99456 (16111708)
 3604347.5 |     10.60696 (15042907)     13.68618 (15010602)     17.69346
(16122324)     62.37232 (16120120)    100.58658 (15012022)
 3604097.5 |     10.99151 (17011824)     14.81935 (15010601)     29.74173
(17021718)     15.50757 (16010312)     11.39026 (17012017)
 3603847.5 |     10.23889 (15031421)     16.97447 (15012602)     27.60085
(16110919)     31.99706 (15111605)     23.99897 (16013119)
 3603597.5 |      9.76864 (16122120)      8.39817 (15110323)      8.56249
(15122610)     20.89528 (16041618)    136.11854 (16011523)
 3603347.5 |      4.99333 (17041707)      5.57747 (15092119)      6.98242
(17112705)      7.88935 (15041720)     46.95558 (17121307)
 3603097.5 |      4.56425 (16010309)      4.80459 (15092119)      5.64581
(15123109)      6.43575 (15083007)      6.88637 (15120809)
 3602847.5 |      3.91527 (16091807)      4.03625 (16012209)      5.12506
(15123109)      5.21044 (15083007)      5.52087 (17122509)
 3602597.5 |      5.85207 (16091807)      4.14983 (16091807)      4.72040
(16121509)      4.52383 (15091207)      5.02149 (17122509)
 3602347.5 |      6.31826 (16091807)      4.00009 (16091807)      4.40936
(16121509)      4.39414 (15091207)      4.91203 (17031208)
 3602097.5 |      5.96031 (16091807)      3.94493 (15091307)      4.07799
(16121509)      4.02217 (15091207)      5.59411 (17031208)
 3601847.5 |      5.25789 (16091807)      3.92736 (15091307)      3.82454
(16121509)      3.71094 (15091207)      5.68693 (17031208)
 3601597.5 |      4.43155 (16091807)      3.84719 (15091307)      3.56688
(16121509)      3.62893 (16082907)      5.60165 (17031208)
 3601347.5 |      3.68790 (16091807)      3.65385 (15091307)      3.40071
(15082607)      3.55381 (16082907)      5.26940 (17031208)
 3601097.5 |      3.32241 (17111908)      3.46654 (15091307)      3.25710
(15082607)      3.47808 (16082907)      4.74268 (17031208)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 500
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA1     ***
                                INCLUDING SOURCE(S):     HMA1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      4.10841 (15112808)     32.80317 (15122821)      3.60320
(16083007)      2.24208 (16083007)      1.48431 (17091007)
 3605847.5 |     13.05468 (15021924)      5.64513 (16083007)      5.02388
(16083007)      2.64287 (17091007)      2.11176 (17121809)
 3605597.5 |      8.62198 (16120120)      8.27607 (15121319)     29.04317
(17021903)     40.30223 (16021524)      2.90364 (16081907)
 3605347.5 |      5.95515 (16083007)      5.33879 (17091007)      6.18313
(16121519)     25.52328 (17040402)      3.63612 (15082707)
 3605097.5 |      9.53902 (15122821)      4.19081 (16092207)     31.98443
(17040402)     24.05619 (16120221)     10.14056 (15121624)
 3604847.5 |      4.72226 (17091007)      2.81585 (17012509)      4.96658
(15082707)      4.21445 (15082707)     23.47201 (15121624)
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 3604597.5 |      5.77226 (16092207)      5.55066 (15082707)      3.03559
(16082307)      2.84168 (16082307)      6.49156 (16040707)
 3604347.5 |     58.03903 (15121624)     51.58057 (17110207)      7.69552
(16040707)      2.60632 (16041207)      2.39255 (16041207)
 3604097.5 |     32.83853 (17021918)     70.20364 (15120702)     11.46949
(17062901)      2.45157 (16042722)      2.05261 (16042722)
 3603847.5 |     17.57984 (16012319)     48.09615 (17022520)     28.40142
(15082523)      6.37011 (15062407)      3.82385 (17030408)
 3603597.5 |     40.73181 (15011301)     70.93389 (15012119)     58.13029
(15021919)     46.08006 (15060206)     24.30350 (15013107)
 3603347.5 |     47.45133 (17040307)     75.54279 (16120121)      6.81646
(17122709)     60.36460 (17022805)      9.62934 (15121817)
 3603097.5 |     56.78942 (15021604)      8.82459 (17061807)      6.68202
(17061807)      5.22204 (15022609)      5.00133 (17122709)
 3602847.5 |      7.50095 (16122809)      6.81780 (17061807)      7.38943
(17061807)      6.53749 (17061807)      5.55967 (15022609)
 3602597.5 |      5.79024 (16122809)      5.64303 (16122809)      6.43432
(17122909)      6.87351 (17061807)      6.00704 (17061807)
 3602347.5 |      4.28746 (17122509)      5.53257 (16122809)      5.77866
(17122909)      5.80787 (17122909)      6.08743 (17061807)
 3602097.5 |      4.36070 (17031208)      4.74262 (16122809)      5.12730
(17071707)      5.50750 (17122909)      6.07955 (17122909)
 3601847.5 |      5.42071 (17031208)      3.77853 (16122809)      5.18789
(17082907)      5.03644 (17082907)      5.26707 (17122909)
 3601597.5 |      5.93214 (17031208)      3.85903 (17031208)      4.49405
(17082907)      5.42657 (17082907)      4.75397 (17082907)
 3601347.5 |      6.06541 (17031208)      4.59615 (17031208)      3.53094
(17082907)      5.13759 (17082907)      5.33192 (17082907)
 3601097.5 |      5.87314 (17031208)      4.98673 (17031208)      3.14549
(17082607)      4.38941 (17082907)      5.26644 (17082907)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 501
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA1     ***
                                INCLUDING SOURCE(S):     HMA1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      1.49266 (16081907)      1.22511 (16081907)      1.34381
(15082707)      1.50431 (15082707)
 3605847.5 |      2.10715 (17121809)      1.43616 (15082707)      1.56998
(15082707)      1.53330 (15082707)
 3605597.5 |      1.54923 (15082707)      1.66472 (15082707)      1.55051
(15082707)      1.41858 (16082307)
 3605347.5 |      2.62653 (17032908)      2.41193 (15082707)      2.47785
(16082307)      1.92111 (16082307)
 3605097.5 |      3.31700 (15082707)      2.86505 (16082307)      2.16521
(16082307)      1.96422 (16082307)
 3604847.5 |     12.45592 (17110207)      5.45382 (16091707)      3.30469
(16040707)      5.37648 (16040707)
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 3604597.5 |      6.59691 (16040707)     19.31502 (16030702)      9.58555
(16030702)      3.26641 (17082707)
 3604347.5 |      2.43399 (17082707)      3.78792 (17082707)      2.48578
(17082707)      2.20931 (17082707)
 3604097.5 |      2.03577 (17082707)      1.94588 (17082707)      1.92409
(17082707)      1.89972 (17082707)
 3603847.5 |      3.95487 (17030408)      1.80371 (17010309)      1.68735
(15062207)      1.76550 (15062407)
 3603597.5 |     24.24991 (15013107)      4.45035 (15062407)      3.03392
(17122709)      2.08835 (17082908)
 3603347.5 |     40.33279 (16121123)      9.05895 (15091922)      2.60548
(17082908)      2.40734 (17082908)
 3603097.5 |     40.44110 (15042106)      4.25632 (17122709)      3.90209
(17122709)      2.36257 (15022408)
 3602847.5 |      4.51800 (15022609)      4.15039 (16020517)      3.61110
(15022408)      3.49894 (17122709)
 3602597.5 |      7.63482 (17011718)      6.07113 (17030301)      3.22973
(17062207)     13.04927 (15011301)
 3602347.5 |      5.81745 (17061807)      4.75970 (15022609)     21.32778
(16120121)      5.78301 (15022021)
 3602097.5 |      6.03029 (17061807)      4.94831 (17061807)      4.14325
(17061807)      4.40389 (15022609)
 3601847.5 |      5.50540 (17122909)      4.98140 (17061807)      4.46496
(17061807)      3.77721 (17061807)
 3601597.5 |      4.97442 (17102808)      4.39208 (17061807)      4.67416
(17061807)      4.05839 (17061807)
 3601347.5 |      4.29595 (17102808)      4.15256 (17102808)      3.98725
(17061807)      4.21586 (17061807)
 3601097.5 |      4.49295 (17082907)      4.19313 (17102808)      3.87865
(17102808)      3.83166 (17061807)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 502
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA1     ***
                                 INCLUDING SOURCE(S):     HMA1        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63       24.70383  (16111021)
507708.67   3603932.32        8.03150  (16010406)
        506203.59   3603369.23        3.44757  (15092907)
507919.87   3604794.52        7.45429  (17041607)
        507037.89   3604916.08        7.26884  (17040507)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 503
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA2     ***
                                 INCLUDING SOURCE(S):     HMA2        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.86878 (15010408)     14.46111 (15011008)     17.21832
(16120805)     20.38327 (16012908)     21.20910 (17020308)
 3605847.5 |     17.29911 (15040607)     16.68262 (15040607)     16.67602
(15010408)     18.39482 (15011008)     22.91829 (16012908)
 3605597.5 |     16.09221 (15040607)     18.75038 (15040607)     21.11800
(15040607)     21.29983 (15040607)     22.21849 (15010408)
 3605347.5 |     16.41439 (17012508)     16.08092 (15011608)     17.43344
(15011608)     20.04690 (15040607)     24.74569 (15040607)
 3605097.5 |     17.99776 (16021108)     17.89784 (16122808)     19.35936
(17012508)     20.18267 (17012508)     21.29603 (15011608)
 3604847.5 |     21.69327 (15040307)     23.61998 (15040307)     23.77715
(15040307)     22.83055 (15040307)     25.07889 (16122808)
 3604597.5 |     18.45789 (17092707)     20.14875 (17092707)     21.61967
(17092707)     22.99317 (17092707)     27.57930 (15040307)
 3604347.5 |     20.51841 (16040507)     21.49525 (16040507)     22.64019
(16040507)     23.75392 (16040507)     25.15727 (16011421)
 3604097.5 |     16.44700 (17121406)     18.57515 (17121406)     20.03801
(17121406)     22.41263 (17011708)     25.49924 (17011708)
 3603847.5 |     21.12182 (17021608)     22.54894 (17021608)     24.71428
(17021608)     25.90216 (17021608)     28.24841 (17021608)
 3603597.5 |     15.53035 (15021102)     16.80836 (15021102)     19.10835
(16012807)     21.26288 (16012807)     22.96698 (16012807)
 3603347.5 |     15.73369 (17122908)     17.03101 (16010308)     18.83065
(16010308)     20.28872 (17021402)     22.39205 (17011719)
 3603097.5 |     15.06345 (15012720)     16.41474 (15012720)     17.89808
(16021602)     20.23733 (16021602)     21.54430 (16012803)
 3602847.5 |     14.62090 (16012803)     15.91541 (16011702)     17.88073
(17120906)     19.33785 (17120906)     21.72004 (15092907)
 3602597.5 |     14.58448 (15011506)     18.14135 (15092907)     22.50664
(15092907)     24.99604 (15092907)     24.59771 (15092907)
 3602347.5 |     20.83910 (15092907)     21.20973 (15092907)     19.27178
(15092907)     19.43308 (17092807)     25.77216 (17092807)
 3602097.5 |     15.29337 (15092907)     18.34437 (17092807)     22.86015
(17092807)     24.11070 (17092807)     29.48208 (15092707)
 3601847.5 |     20.60580 (17092807)     21.45269 (17092807)     24.64559
(15092707)     29.16538 (15092707)     28.61423 (15092707)
 3601597.5 |     21.41659 (15092707)     25.78453 (15092707)     26.27941
(15092707)     22.09855 (15092707)     14.55501 (15092707)
 3601347.5 |     24.40910 (15092707)     22.04167 (15092707)     16.42013
(15092707)     10.39809 (17122302)     10.97576 (15022607)
 3601097.5 |     17.53641 (15092707)     11.83785 (15092707)      9.33903
(17122105)     10.04596 (15012201)     10.75752 (17012504)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 504
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA2     ***
                                INCLUDING SOURCE(S):     HMA2        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.72003 (17040507)     29.44086 (17040507)     28.59026
(17020108)     28.13590 (16121408)     42.06024 (16120208)
 3605847.5 |     26.24874 (17020308)     28.25895 (17040507)     34.51517
(17040507)     32.34689 (17020108)     32.93331 (16121408)
 3605597.5 |     24.32986 (15011008)     30.59762 (16012908)     33.97900
(17020308)     39.11745 (17040507)     36.89505 (17020108)
 3605347.5 |     25.51012 (15121608)     28.29757 (15010408)     32.60569
(16011506)     40.87830 (16012908)     42.42823 (15021008)
 3605097.5 |     23.35257 (15011608)     29.55424 (15040607)     33.24555
(15121608)     37.60430 (15010408)     44.83609 (16012908)
 3604847.5 |     24.08551 (17012508)     28.08841 (17012508)     32.83355
(15011608)     36.37377 (17012703)     44.21675 (15121608)
 3604597.5 |     28.48979 (15040307)     31.00842 (15040307)     32.76705
(16122808)     36.78498 (16122808)     45.33278 (17012508)
 3604347.5 |     29.24138 (16011421)     33.17151 (15122708)     35.94180
(15122708)     36.34980 (17122422)     43.68395 (15020702)
 3604097.5 |     29.38311 (17011708)     36.32611 (17011708)     40.73041
(17011708)     40.75271 (17011708)     45.39013 (17011708)
 3603847.5 |     30.87959 (17021608)     33.80160 (17122608)     35.67041
(17122608)     40.94605 (17122608)     45.94442 (17122608)
 3603597.5 |     26.54723 (15011603)     29.78888 (17122908)     33.44399
(17122908)     38.60874 (17122908)     47.68088 (16010308)
 3603347.5 |     24.98434 (17011719)     28.13206 (15012720)     31.91338
(16021602)     37.44520 (16012803)     44.90729 (16011702)
 3603097.5 |     23.76350 (16011702)     27.95592 (17120906)     30.85976
(15011506)     37.17755 (16021406)     43.96484 (17121720)
 3602847.5 |     27.13367 (15092907)     30.89965 (15092907)     30.07100
(17122824)     36.44873 (17010708)     43.70975 (17121308)
 3602597.5 |     22.76146 (17010704)     30.03348 (17092807)     33.17841
(17092807)     45.41294 (15092707)     46.63175 (15092707)
 3602347.5 |     28.40766 (17092807)     36.39487 (15092707)     39.88516
(15092707)     30.98108 (15092707)     22.43277 (15022607)
 3602097.5 |     33.83308 (15092707)     30.22114 (15092707)     19.62522
(15092707)     18.58008 (15012201)     20.42091 (17021905)
 3601847.5 |     21.46943 (15092707)     14.58972 (17122105)     15.84790
(15121422)     17.30218 (17021905)     18.41884 (17121505)
 3601597.5 |     12.44316 (15022607)     13.60006 (15121422)     14.60595
(16121224)     15.80431 (17121505)     16.84875 (15120324)
 3601347.5 |     11.89740 (17012504)     12.74054 (16121224)     13.59087
(17121505)     14.40684 (15120324)     15.31509 (17010801)
 3601097.5 |     11.43639 (16121224)     12.01916 (17121505)     12.81444
(15013101)     13.63604 (17010801)     14.35313 (16122704)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 505
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA2     ***
                                INCLUDING SOURCE(S):     HMA2        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     49.67187 (16120208)     37.68635 (16010908)     64.82030
(17021308)     71.51082 (15021508)     71.41514 (17021320)
 3605847.5 |     47.76218 (16120208)     54.74831 (16120208)     50.17017
(16010908)     85.48397 (15021508)     81.80361 (15121303)
 3605597.5 |     39.05285 (16121408)     54.32813 (16120208)     56.05278
(16120208)     95.44604 (16010223)     92.24484 (15021508)
 3605347.5 |     46.24282 (15121803)     49.93470 (17020108)     60.81402
(16120208)     67.49816 (15121708)     69.26546 (17021308)
 3605097.5 |     56.03749 (17020308)     61.05362 (15120308)     74.86507
(17020108)     85.18477 (16120208)     91.49279 (16010908)
 3604847.5 |     52.90036 (16020408)     71.70640 (16012908)     84.77845
(15021008)    115.74052 (17020108)    140.86225 (16120208)
 3604597.5 |     55.22680 (15011608)     65.11825 (15012401)     85.47988
(16020408)    129.46308 (17020308)    173.95114 (17020108)
 3604347.5 |     52.35531 (16011108)     65.35474 (16122808)     84.68917
(17012508)    114.53814 (15011608)    165.12555 (16020408)
 3604097.5 |     53.11217 (17011708)     66.95966 (16120722)     87.67020
(16011421)    107.29501 (17020524)    153.09798 (15020702)
 3603847.5 |     51.18597 (17122608)     61.84083 (17122608)     75.36912
(17122608)    101.53786 (15021102)    148.82710 (15021102)
 3603597.5 |     54.05188 (17011719)     63.94294 (15012720)     79.74354
(16021602)     99.93397 (17120906)    137.06293 (17121720)
 3603347.5 |     54.26438 (15011506)     60.77655 (16021406)     77.35713
(17122824)    107.34765 (17121308)     99.09050 (16021107)
 3603097.5 |     52.58454 (17010708)     61.58984 (17121308)     69.23653
(15092707)     55.17527 (16011206)     64.86181 (16020405)
 3602847.5 |     58.28430 (15092707)     46.46305 (15092707)     41.22979
(15121422)     46.04936 (16020405)     49.88069 (17010801)
 3602597.5 |     28.07688 (17122302)     32.19318 (15121422)     35.98061
(17121505)     38.17709 (17010801)     41.97501 (17011624)
 3602347.5 |     25.25185 (17012504)     27.53205 (17121505)     29.98977
(16011601)     32.70049 (17012722)     37.68768 (17022103)
 3602097.5 |     21.69517 (17121505)     24.13370 (15120324)     25.70614
(16122704)     28.61548 (17040807)     32.27966 (15021805)
 3601847.5 |     19.86441 (15120324)     21.31356 (16022007)     22.51953
(17011624)     25.87511 (16011119)     40.45921 (17020408)
 3601597.5 |     17.74100 (16021923)     19.17225 (17012722)     25.24925
(17040807)     24.30468 (15041007)     46.42164 (17020408)
 3601347.5 |     16.13471 (16011202)     19.19834 (17040807)     20.05141
(17040807)     28.50863 (17020408)     44.61768 (17020408)
 3601097.5 |     15.04526 (17011624)     22.23415 (17040807)     20.81022
(15041007)     35.77348 (17020408)     38.28436 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 506
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA2     ***
                                  INCLUDING SOURCE(S):     HMA2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     33.93713 (15082706)     52.51259 (17022408)     14.58119
(16112208)     16.72995 (17032607)     39.66109 (17032607)
 3605847.5 |     71.05581 (17021508)     82.19090 (16121101)     40.29309
(16060301)     35.61130 (16091507)     75.87309 (17032607)
 3605597.5 |     93.35884 (17021508)     62.01781 (16121101)     60.78446
(15122121)     65.82737 (16010501)     91.50799 (17011124)
 3605347.5 |     66.32646 (17021508)     64.77734 (16021807)     58.60725
(17022408)     48.23668 (16091507)    111.30143 (16122307)
 3605097.5 |    102.35319 (15021508)    121.38562 (17070706)     38.33500
(17022408)     58.97153 (17032607)     24.40912 (15121322)
 3604847.5 |    182.97125 (17013021)    163.98071 (16020419)     50.40924
(17022408)     84.64116 (17032607)     26.47177 (16111708)
 3604597.5 |    209.79192 (15120408)    191.23300 (15021508)     80.89411
(15092607)    119.87849 (17032607)     32.68927 (16111708)
 3604347.5 |    259.81366 (15021008)    401.95992 (16120708)    226.89077
(16071506)    120.95574 (17121006)     60.14452 (15022118)
 3604097.5 |    282.09993 (17012508)    498.93479 (16020408)   1191.41332
(15120107)   1262.26977 (16121519)    309.92818 (16061006)
 3603847.5 |    260.25557 (17122908)    450.42706 (17011719)   1607.03492
(16021107)   2018.97481 (16121122)    257.51479 (17052506)
 3603597.5 |    227.73058 (17121308)    220.16013 (17021905)    387.57867
(16010102)    260.83622 (15071806)    207.40296 (16013009)
 3603347.5 |    108.06119 (16020405)    131.71467 (17011624)    200.10836
(17122619)    263.35650 (16122021)     84.42306 (15010817)
 3603097.5 |     77.06580 (16122704)     98.53431 (16021904)    116.45180
(17122005)    164.48778 (17121306)    144.72686 (17010406)
 3602847.5 |     63.29693 (17022103)     95.33193 (17020408)     77.37904
(16022802)     90.00641 (17122218)     87.64176 (17010624)
 3602597.5 |     51.49670 (15021805)     65.00228 (17020408)     58.93892
(16012923)     67.54898 (15021621)     65.09771 (17011319)
 3602347.5 |     61.16264 (17020408)     43.20310 (17020905)     45.76832
(17010402)     53.09198 (16022219)     51.75782 (16122021)
 3602097.5 |     59.49764 (17020408)     35.46720 (17122619)     36.63916
(17121803)     43.59136 (16022219)     42.72534 (15020321)
 3601847.5 |     47.84035 (17020408)     29.73781 (15022601)     30.87076
(17121803)     36.44602 (16022219)     35.73029 (16121418)
 3601597.5 |     34.17164 (17020408)     26.10834 (16010118)     26.20847
(15120902)     31.08042 (17122205)     31.00423 (17121306)
 3601347.5 |     24.17060 (17111908)     22.74673 (17122005)     23.46752
(15120902)     27.08016 (17122205)     28.10385 (16112308)
 3601097.5 |     20.30735 (17111908)     20.35147 (16122020)     21.30505
(15120902)     23.93637 (17122205)     26.94764 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 507
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA2     ***
                                  INCLUDING SOURCE(S):     HMA2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.06607 (17032607)     17.56412 (16111708)      8.76612
(16111708)      7.25117 (17020109)      7.26184 (16092207)
 3605847.5 |     10.89299 (15121322)     62.36804 (15080402)     12.33935
(17091007)      6.67542 (16092207)      9.19326 (17121809)
 3605597.5 |     61.54313 (15122821)     58.26053 (15092321)     39.16276
(16100201)     19.71106 (16092207)     10.56050 (17121809)
 3605347.5 |     82.28970 (17060105)     79.99575 (16101307)     77.12969
(16021524)     14.15743 (17012509)      8.43269 (17032908)
 3605097.5 |     23.55465 (16083007)     12.65269 (16092207)     17.58608
(17011903)     43.59581 (17032121)     13.34786 (15110508)
 3604847.5 |     12.99026 (16092207)     16.75870 (17121809)     11.38269
(17032908)      9.54370 (16042804)     14.06092 (16082307)
 3604597.5 |     21.26739 (17121809)     14.14528 (15082707)     14.90032
(17032608)     24.79700 (17032608)     36.42140 (16040707)
 3604347.5 |     32.06268 (15082707)     37.41708 (17032608)     57.43061
(16040707)     42.74409 (16040707)     21.78387 (16040707)
 3604097.5 |    140.33105 (16040707)     49.46590 (17082707)     25.74173
(17091207)     21.20334 (16090707)     18.76254 (16090707)
 3603847.5 |    138.32797 (17012817)     67.55101 (17012817)     33.26566
(16052106)     22.03081 (15062407)     24.85995 (17042907)
 3603597.5 |     99.96839 (16040807)     46.05199 (15022408)     38.87972
(17122709)     25.02564 (16121017)     21.39419 (15020117)
 3603347.5 |     79.43940 (16013009)     51.10159 (16040807)    129.88023
(16040807)     45.84009 (15022408)     69.59961 (15012119)
 3603097.5 |     46.95532 (16122424)    205.46524 (17040307)    111.34767
(17022804)    133.15747 (17011308)    124.37693 (16121122)
 3602847.5 |    180.52083 (17120621)     86.25864 (16010421)     75.30907
(16121120)     84.74990 (16122817)     68.36676 (17121101)
 3602597.5 |     63.77963 (17010406)     79.69391 (17021408)     67.54847
(16010421)     63.41758 (16121120)     63.68171 (15013018)
 3602347.5 |     49.16991 (16121220)     60.13447 (17120621)     63.28637
(17021408)     51.23372 (16010601)     48.30539 (16121120)
 3602097.5 |     43.87649 (15022808)     38.63183 (17122806)     52.61724
(15020908)     45.35507 (16121022)     81.52187 (15011201)
 3601847.5 |     35.33202 (16022321)     34.15576 (16121220)     38.77773
(17120621)     42.34707 (17021408)     39.30514 (16121022)
 3601597.5 |     30.46120 (15011921)     36.11042 (15022808)     26.93007
(17122806)     35.77018 (17120621)     36.58254 (17021408)
 3601347.5 |     27.04374 (17031208)     33.76566 (15022808)     23.55184
(16121220)     26.33718 (17120621)     32.40351 (15020908)
 3601097.5 |     25.94926 (17031208)     25.30379 (15022808)     26.00708
(15022808)     21.53787 (16092807)     27.27408 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 508
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA2     ***
                                  INCLUDING SOURCE(S):     HMA2        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.61958 (17121809)      8.56642 (17121809)      6.01917
(17121809)      6.09718 (17032908)
 3605847.5 |      9.45189 (17121809)      6.52105 (17032908)      6.64701
(15082707)      6.02457 (15082707)
 3605597.5 |      7.37643 (17032908)      7.42110 (15082707)      5.92113
(15082707)      3.41109 (15082707)
 3605347.5 |      8.11582 (15082707)      5.44840 (15082707)      5.91685
(17122309)      8.88918 (17122309)
 3605097.5 |      6.71584 (16042804)     10.03534 (17122309)     12.19321
(17122309)     16.07961 (16040707)
 3604847.5 |     19.73037 (17032608)     23.67758 (16040707)     31.67822
(16040707)     31.27438 (16040707)
 3604597.5 |     40.41178 (16040707)     31.39979 (16040707)     19.63241
(16040707)     10.74585 (16040707)
 3604347.5 |     12.70170 (17082707)     12.88171 (17082707)     12.32405
(17082707)     11.40069 (16090707)
 3604097.5 |     16.25916 (16090707)     13.99037 (16090707)     12.03005
(16090707)     11.56870 (17030408)
 3603847.5 |     19.72984 (17042907)     16.78972 (15062407)     15.56855
(15062407)     14.52115 (15062407)
 3603597.5 |     17.25027 (15061907)     14.44904 (15061907)     12.65702
(15061907)     10.85364 (15061907)
 3603347.5 |     31.39447 (15091922)     12.90327 (16011417)      9.49742
(17122709)      7.43562 (17122709)
 3603097.5 |     39.46465 (15022408)     25.81802 (15022408)     12.18366
(15022408)     10.57021 (17122709)
 3602847.5 |     86.73609 (16040807)     40.08660 (16040807)     33.50041
(15022408)     26.58228 (15022408)
 3602597.5 |     57.46961 (16010101)     26.12656 (16040807)     38.21388
(16040807)     33.93984 (16040807)
 3602347.5 |     52.33171 (15013018)     63.78850 (17010220)     33.22302
(16071324)     53.63961 (16040807)
 3602097.5 |     87.54427 (17040307)     37.28922 (17122124)     37.71559
(16121203)     35.03642 (17022804)
 3601847.5 |     66.79058 (15011201)     32.39077 (17122518)     30.03130
(17122124)     29.17220 (16122817)
 3601597.5 |     33.12960 (16121022)     29.68418 (17011224)     29.04532
(17122518)     24.75912 (17122124)
 3601347.5 |     29.66351 (17021408)     24.14428 (16010421)     24.99693
(17011224)     23.97401 (17122518)
 3601097.5 |     26.59369 (17021408)     24.18793 (17021822)     21.67953
(16010421)     22.88089 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 509
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA2     ***
                                  INCLUDING SOURCE(S):     HMA2        ,

                                        *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      798.56166  (15122708)
507708.67   3603932.32      194.90977  (17122608)
        506203.59   3603369.23       39.44461  (16012803)
507919.87   3604794.52      159.30560  (15123006)
        507037.89   3604916.08       77.97388  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 510
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA3     ***
                                  INCLUDING SOURCE(S):     HMA3        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.92244 (16020408)     14.82695 (15011008)     17.96998
(16012908)     20.40336 (17020308)     20.50685 (17020308)
 3605847.5 |     17.00968 (15040607)     16.02632 (15040607)     16.75356
(16020408)     18.75659 (15011008)     23.61640 (16012908)
 3605597.5 |     16.60383 (15040607)     18.96777 (15040607)     20.86695
(15040607)     20.47378 (15040607)     22.22924 (16020408)
 3605347.5 |     16.33435 (17012508)     16.40786 (15011608)     17.73351
(15040607)     20.52058 (15040607)     24.63859 (15040607)
 3605097.5 |     17.03531 (16122808)     17.69412 (15011519)     19.77734
(17012508)     20.12992 (17012508)     21.66118 (15011608)
 3604847.5 |     22.24963 (15040307)     23.69761 (15040307)     23.23948
(15040307)     21.61973 (15040307)     24.74964 (16122808)
 3604597.5 |     19.00148 (17092707)     20.43420 (17092707)     21.53558
(17092707)     23.27652 (15040307)     28.89361 (15040307)
 3604347.5 |     20.66954 (16040507)     21.44930 (16040507)     22.33543
(16040507)     23.11277 (16040507)     25.56378 (16011421)
 3604097.5 |     16.69037 (17121406)     18.86575 (17011708)     20.58316
(17011708)     22.96317 (17011708)     26.02601 (17011708)
 3603847.5 |     21.03006 (17021608)     22.48002 (17021608)     24.67330
(17021608)     25.91129 (17021608)     28.32031 (17021608)
 3603597.5 |     15.62995 (15021102)     16.99720 (15021102)     19.15227
(15021102)     21.35336 (16012807)     23.23836 (16012807)
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```
 3603347.5 |     15.89924 (17122908)     17.30897 (17122908)     19.02045
(16010308)     20.54354 (16010308)     22.49783 (17021402)
 3603097.5 |     15.15270 (17011719)     16.55802 (15012720)     17.99077
(16021602)     20.56397 (16021602)     21.59111 (16012803)
 3602847.5 |     14.65681 (16012803)     15.96139 (16012803)     17.98462
(16011702)     19.57431 (17120906)     21.28609 (15011506)
 3602597.5 |     14.63819 (15011506)     17.69581 (15092907)     22.25373
(15092907)     25.09053 (15092907)     25.10182 (15092907)
 3602347.5 |     20.84278 (15092907)     21.48180 (15092907)     19.78438
(15092907)     19.02660 (17092807)     25.63298 (17092807)
 3602097.5 |     15.75572 (15092907)     18.04659 (17092807)     22.78140
(17092807)     24.35009 (17092807)     29.31635 (15092707)
 3601847.5 |     20.56219 (17092807)     21.64635 (17092807)     24.47305
(15092707)     29.25268 (15092707)     28.96921 (15092707)
 3601597.5 |     21.24408 (15092707)     25.79683 (15092707)     26.50949
(15092707)     22.45827 (15092707)     14.88158 (15092707)
 3601347.5 |     24.55125 (15092707)     22.31982 (15092707)     16.72490
(15092707)     10.48562 (17122302)     11.06939 (15022607)
 3601097.5 |     17.80266 (15092707)     12.07240 (15092707)      9.40676
(17122105)     10.12004 (15012201)     10.84093 (17012504)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 511
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA3     ***
                                 INCLUDING SOURCE(S):     HMA3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.45423 (17040507)     27.80277 (17040507)     28.47799
(17020108)     28.14111 (16121408)     44.31396 (16120208)
 3605847.5 |     26.22504 (17020308)     30.07385 (17040507)     33.51934
(17040507)     32.86545 (17020108)     33.26969 (16121408)
 3605597.5 |     24.95842 (16011506)     30.94053 (16012908)     32.81644
(17020308)     39.45400 (17040507)     38.47774 (17020108)
 3605347.5 |     25.59893 (15121608)     28.35664 (16020408)     33.77148
(16012908)     41.26831 (17020308)     43.24313 (15021008)
 3605097.5 |     23.59008 (15040607)     29.77263 (15040607)     33.67023
(15121608)     37.72883 (16020408)     47.40309 (16012908)
 3604847.5 |     24.90894 (17012508)     28.05867 (17012508)     33.05226
(15011608)     36.68649 (17012703)     45.50148 (15121608)
 3604597.5 |     28.97463 (15040307)     30.34302 (15040307)     33.11400
(16122808)     36.76464 (17012508)     45.29584 (17012508)
 3604347.5 |     29.30834 (16011421)     33.52897 (15122708)     36.47118
(17020524)     36.90487 (16020401)     44.21614 (15020702)
 3604097.5 |     29.84529 (17011708)     36.67860 (17011708)     40.80753
(17011708)     40.50044 (17011708)     44.59921 (17011708)
 3603847.5 |     31.65225 (17122608)     34.84279 (17122608)     36.92883
(17122608)     42.59363 (17122608)     48.12850 (17122608)
 3603597.5 |     26.59117 (15011603)     29.63177 (17122908)     33.63707
(17122908)     39.34777 (17122908)     48.52477 (16010308)
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 3603347.5 |     25.27489 (17011719)     28.42538 (15012720)     32.29458
(16021602)     37.47938 (16012803)     45.38021 (16011702)
 3603097.5 |     23.85265 (16011702)     28.15140 (17120906)     31.29199
(15011506)     37.58502 (16021406)     44.55501 (17121720)
 3602847.5 |     26.84967 (15092907)     31.21008 (15092907)     30.43117
(17122824)     36.95418 (17010708)     44.55737 (17121308)
 3602597.5 |     22.93859 (17010704)     29.77803 (17092807)     33.59464
(17092807)     45.40634 (15092707)     47.46207 (15092707)
 3602347.5 |     28.71786 (17092807)     36.26441 (15092707)     40.32156
(15092707)     31.71345 (15092707)     22.70976 (15022607)
 3602097.5 |     34.04668 (15092707)     30.74378 (15092707)     20.13413
(15092707)     18.78055 (15012201)     20.66932 (17021905)
 3601847.5 |     21.91412 (15092707)     14.73945 (17122302)     15.99939
(15121422)     17.48919 (17021905)     18.64600 (17121505)
 3601597.5 |     12.54618 (15022607)     13.72504 (15121422)     14.74933
(16121224)     15.97796 (17121505)     17.04379 (15120324)
 3601347.5 |     11.99454 (17012504)     12.85325 (16121224)     13.72543
(17121505)     14.56742 (15120324)     15.43358 (17010801)
 3601097.5 |     11.52833 (16121224)     12.12762 (17121505)     12.92115
(15013101)     13.75647 (17010801)     14.47356 (16122704)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 512
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA3     ***
                                 INCLUDING SOURCE(S):     HMA3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     46.83821 (16120208)     37.75279 (16010908)     66.96696
(17021308)     66.01003 (15021508)     77.47003 (16012808)
 3605847.5 |     50.19079 (16120208)     50.31744 (16120208)     49.44026
(15122808)     86.75259 (15021508)     82.13155 (17010724)
 3605597.5 |     40.00846 (16121408)     56.84721 (16120208)     53.92420
(15121708)     92.92875 (15120107)     86.84483 (15011120)
 3605347.5 |     47.36087 (17020108)     49.10972 (16121408)     63.18229
(16120208)     65.38240 (16120708)     71.79656 (15021508)
 3605097.5 |     54.39602 (17020308)     60.52922 (16011607)     70.28941
(17020108)     87.23878 (16120208)     88.53132 (16010908)
 3604847.5 |     53.06023 (16020408)     73.35225 (16012908)     85.09002
(15021008)    112.41763 (17020108)    140.26567 (16120208)
 3604597.5 |     54.45790 (15011608)     67.70378 (15121608)     85.32686
(16020408)    128.48947 (17020308)    181.74741 (17020108)
 3604347.5 |     53.88253 (16011108)     65.17007 (16122808)     85.06991
(17012508)    114.98541 (17012703)    169.86409 (16012908)
 3604097.5 |     53.29444 (16120722)     67.47327 (16011421)     88.46716
(16011421)    109.80564 (16020401)    162.67102 (16122808)
 3603847.5 |     54.23671 (17122608)     66.24581 (17122608)     82.16736
(17122608)    108.94824 (17122608)    153.20388 (17122608)
 3603597.5 |     54.55950 (16010308)     64.83806 (15012720)     82.68999
(16021602)    101.79520 (17120906)    142.55472 (16021406)
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 3603347.5 |     54.86459 (15011506)     62.01611 (16021406)     79.39671
(17122824)    111.15035 (17121308)    104.89231 (16021107)
 3603097.5 |     53.10756 (17010708)     63.09649 (17121308)     70.49858
(15092707)     56.60293 (16011206)     66.71387 (16020405)
 3602847.5 |     58.62215 (15092707)     47.83630 (15092707)     42.00959
(15121422)     47.01580 (16020405)     51.06698 (17022221)
 3602597.5 |     28.52000 (17122302)     32.74026 (15121422)     36.69671
(17121505)     38.94736 (17010801)     42.90146 (17011624)
 3602347.5 |     25.60823 (17012504)     27.98384 (17121505)     30.54748
(17010801)     33.32188 (17012722)     38.33717 (16011119)
 3602097.5 |     22.00093 (17121505)     24.42878 (15120324)     26.05279
(16122704)     29.55417 (17040807)     32.88906 (15021805)
 3601847.5 |     20.10257 (15120324)     21.65238 (16122704)     22.86690
(17011624)     26.27937 (16011119)     42.81554 (17020408)
 3601597.5 |     17.91658 (16021923)     19.36565 (17012722)     25.55852
(17040807)     24.86139 (15041007)     47.56873 (17020408)
 3601347.5 |     16.35649 (17012722)     19.91354 (17040807)     19.92023
(16011119)     30.28018 (17020408)     44.49507 (17020408)
 3601097.5 |     15.22543 (17011624)     22.23635 (17040807)     21.27011
(15041007)     37.09982 (17020408)     37.32098 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 513
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA3     ***
                                 INCLUDING SOURCE(S):     HMA3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.30037 (16120206)     54.11961 (17022408)     15.29386
(16112208)     19.76594 (17032607)     37.72257 (17032607)
 3605847.5 |     68.57194 (17070706)     77.88682 (15022305)     42.50038
(16060301)     37.12323 (16091507)     69.11249 (17032607)
 3605597.5 |     90.64850 (17021508)     62.60657 (16121101)     62.14553
(15122121)     72.38216 (17032607)     90.64460 (17011124)
 3605347.5 |     73.47830 (17021508)     62.78399 (16121101)     57.18130
(16060301)     47.77687 (16091507)    114.63038 (16121520)
 3605097.5 |     92.95243 (15021508)    118.26188 (15010104)     33.07681
(17022408)     62.56940 (17032607)     25.00103 (15121322)
 3604847.5 |    184.95785 (15011121)    183.30961 (16012808)     45.32969
(17022408)     81.85428 (17032607)     26.50535 (16111708)
 3604597.5 |    218.32908 (15123008)    166.53728 (15021508)     65.18562
(15092607)     97.18009 (17032607)     27.86196 (16111708)
 3604347.5 |    258.30651 (17020108)    403.44636 (16120708)    234.65636
(15081703)    110.45452 (15121322)     55.38139 (15022118)
 3604097.5 |    290.25060 (17012508)    570.94684 (17020308)    968.84700
(17010208)   1106.67434 (17020508)    294.89151 (17060424)
 3603847.5 |    259.15641 (17022301)    511.04615 (17122908)   2129.44936
(17121308)   1877.75821 (16121123)    275.27774 (15012717)
 3603597.5 |    241.98511 (17121308)    237.30202 (17021905)    424.66086
(17122823)    266.19513 (17012108)    151.30343 (16013009)
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 3603347.5 |    112.63553 (16020405)    143.04082 (17022103)    210.88487
(16010118)    271.07109 (17011319)     80.91944 (17020419)
 3603097.5 |     79.45341 (16122704)    102.41114 (16012324)    120.02936
(16022802)    168.65858 (16121418)    166.47636 (17120621)
 3602847.5 |     65.50871 (17022103)     95.37503 (17020408)     79.19250
(16012923)     91.98103 (15021622)     88.16953 (15011507)
 3602597.5 |     52.56734 (16021904)     60.64102 (17020408)     60.10973
(17010402)     68.66919 (17122218)     66.21630 (15021419)
 3602347.5 |     63.92349 (17020408)     44.40404 (17122619)     46.45814
(17121803)     54.61167 (15021621)     52.62715 (15011921)
 3602097.5 |     59.38594 (17020408)     35.87364 (16011319)     37.89848
(15120902)     43.41503 (15021621)     42.92005 (17123106)
 3601847.5 |     46.07407 (17020408)     30.43956 (16010118)     32.54499
(15120902)     36.68044 (16022219)     36.03441 (16121418)
 3601597.5 |     32.01842 (17020408)     26.35626 (17122005)     28.20480
(15120902)     31.49943 (16022219)     31.37421 (17121306)
 3601347.5 |     23.75403 (17111908)     22.92202 (16122020)     25.00946
(15120902)     27.22968 (16022219)     27.47613 (15021622)
 3601097.5 |     19.93864 (17122619)     20.56653 (16122020)     22.52605
(15120902)     24.08984 (17122205)     26.29373 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 514
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA3     ***
                                 INCLUDING SOURCE(S):     HMA3        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      6.34511 (16032803)     18.17356 (16111708)      8.38152
(16111708)      7.10486 (17020109)      7.32523 (16092207)
 3605847.5 |     11.29304 (15121322)     63.11668 (15052306)     11.98352
(17091007)      6.81563 (16092207)      9.17607 (17121809)
 3605597.5 |     63.46410 (15122821)     59.51354 (15092321)     40.08724
(16100201)     19.50022 (17121809)     10.43826 (17121809)
 3605347.5 |     81.33150 (15080402)     81.75006 (16101307)     77.95399
(16021524)     13.90588 (17012509)      8.34742 (17032908)
 3605097.5 |     22.34507 (16083007)     12.63271 (16092207)     17.26412
(17011903)     44.39802 (17032121)     13.24103 (15110508)
 3604847.5 |     13.30746 (16092207)     16.45339 (17121809)     11.22077
(17032908)      9.27648 (16042804)     13.73018 (16082307)
 3604597.5 |     20.77493 (17121809)     13.89085 (15082707)     13.35060
(17032608)     23.57286 (17032608)     34.27081 (16040707)
 3604347.5 |     31.69830 (15082707)     35.60314 (17032608)     55.17597
(16040707)     44.57809 (16040707)     24.13758 (16040707)
 3604097.5 |    152.33808 (16040707)     46.56276 (17082707)     24.17476
(16020417)     20.48712 (16090707)     18.70808 (16090707)
 3603847.5 |    114.04549 (16021806)     59.86909 (15062407)     29.00262
(15012317)     22.72571 (15062407)     23.50768 (17042907)
 3603597.5 |     85.16734 (15022408)     41.31976 (15122117)     36.71643
(17122709)     26.12023 (16121017)     19.85998 (15020117)
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 3603347.5 |     83.36175 (16013009)     64.96310 (16040807)    119.19233
(16100807)     39.73253 (15022408)     69.54839 (15012119)
 3603097.5 |     53.14640 (16040518)    188.75697 (17040307)    110.58722
(17022804)    124.31612 (17011308)    124.99147 (16121122)
 3602847.5 |    187.46199 (15020908)     88.86886 (16010601)     77.39113
(17122124)     84.09689 (16121203)     69.83835 (17121101)
 3602597.5 |     67.23078 (16121008)     81.29389 (17021408)     68.48914
(16010601)     61.76916 (17122124)     64.05202 (16122817)
 3602347.5 |     49.99432 (16121220)     62.78047 (17120621)     59.79885
(17021408)     51.34284 (17011224)     46.62882 (16012022)
 3602097.5 |     44.44412 (15022808)     40.50574 (16121008)     53.78026
(15020908)     45.74448 (16121022)     79.16699 (15011201)
 3601847.5 |     36.01745 (15022808)     33.60108 (16121220)     41.55318
(17120621)     43.49773 (17021408)     37.99108 (16121022)
 3601597.5 |     30.75638 (17011319)     34.00210 (15022808)     27.99592
(16121008)     35.63967 (15020908)     35.89834 (17021408)
 3601347.5 |     26.82015 (15011921)     34.73067 (15022808)     23.43813
(17010406)     28.56535 (17120621)     32.59906 (15020908)
 3601097.5 |     25.96277 (17031208)     27.85515 (15022808)     23.59295
(15022808)     21.30349 (16121008)     27.79859 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 515
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA3     ***
                                INCLUDING SOURCE(S):     HMA3        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.59495 (17121809)      8.48484 (17121809)      5.95442
(17121809)      6.05820 (17032908)
 3605847.5 |      9.35334 (17121809)      6.47283 (17032908)      6.59306
(15082707)      6.00295 (15082707)
 3605597.5 |      7.31298 (17032908)      7.35964 (15082707)      5.91327
(15082707)      3.44152 (15082707)
 3605347.5 |      8.05259 (15082707)      5.46434 (15082707)      5.69349
(17122309)      8.64782 (17122309)
 3605097.5 |      6.75872 (16042804)      9.70903 (17122309)     11.98199
(17122309)     15.05530 (16040707)
 3604847.5 |     19.17794 (17032608)     22.17486 (16040707)     30.70090
(16040707)     31.25614 (16040707)
 3604597.5 |     39.97756 (16040707)     32.40379 (16040707)     20.97993
(16040707)     11.81284 (16040707)
 3604347.5 |     12.04073 (17082707)     12.48475 (17082707)     12.15220
(17082707)     11.36819 (17082707)
 3604097.5 |     16.56226 (16090707)     14.46742 (16090707)     12.57661
(16090707)     11.03042 (17030408)
 3603847.5 |     18.44211 (15062407)     16.89337 (15062407)     15.60409
(15062407)     14.51253 (15062407)
 3603597.5 |     18.57184 (15061907)     14.80600 (15061907)     12.60434
(15061907)     10.58626 (15061907)
 3603347.5 |     32.60074 (15091922)     12.88539 (17082908)      8.84406
(17122709)      6.81832 (17122709)
 3603097.5 |     37.28796 (15022408)     21.69700 (15022408)     10.99025
(17122709)     10.51273 (17122709)
 3602847.5 |     94.33164 (15121020)     36.70060 (16040807)     33.00316
(15022408)     23.89656 (15022408)
 3602597.5 |     58.85024 (17062906)     30.35122 (16040807)     39.07080
(16040807)     31.40486 (16040807)
 3602347.5 |     52.86571 (15013018)     62.69790 (16010101)     33.36467
(16071324)     59.31035 (16040807)
 3602097.5 |     90.81543 (17040307)     37.62533 (15013018)     37.47065
(16121203)     33.93122 (17022804)
 3601847.5 |     65.80334 (17011224)     31.82142 (16121120)     29.93566
(16013009)     28.85920 (16122817)
 3601597.5 |     32.96447 (16010421)     29.63108 (17011224)     28.55167
(16121120)     25.77910 (16013009)
 3601347.5 |     28.18802 (17021408)     25.02950 (16010421)     24.78774
(17011224)     23.58427 (16121120)
 3601097.5 |     27.36856 (17021408)     24.53506 (16121022)     22.05074
(16010421)     22.54922 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 516
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA3     ***
                                INCLUDING SOURCE(S):     HMA3        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      900.39229  (16122808)
507708.67   3603932.32      202.37109  (17011708)
        506203.59   3603369.23       39.59836  (16021602)
507919.87   3604794.52      161.85175  (16021523)
        507037.89   3604916.08       77.18132  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 517
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA4     ***
                                INCLUDING SOURCE(S):     HMA4        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

Y-COORD (METERS)	X-COORD (METERS) 504118.86	504368.86	504618.86	504868.86	505118.86
3606097.5	2.63222 (15071922)	2.66088 (17090106)	2.73264 (16042007)	3.40978 (17040507)	3.93235 (17040507)
3605847.5	2.62004 (17120303)	2.57076 (16112503)	2.63372 (17102220)	3.04587 (16042007)	3.47397 (17040507)
3605597.5	2.64059 (15101122)	2.72550 (17120303)	2.92859 (17122409)	2.96829 (17122409)	3.13906 (17111308)
3605347.5	2.83843 (15040307)	2.73311 (17090707)	2.79095 (17122409)	2.95616 (17122409)	3.37069 (17122409)
3605097.5	3.67907 (15040307)	3.64551 (15040307)	3.50966 (15040307)	3.07829 (15040307)	3.04058 (17122409)
3604847.5	3.88151 (15040307)	4.04150 (15040307)	4.06625 (15040307)	4.10081 (15040307)	4.31326 (15040307)
3604597.5	3.63830 (16040507)	3.72451 (17092707)	3.89931 (15040307)	4.30187 (15040307)	4.78011 (15040307)
3604347.5	3.96381 (16040507)	4.09282 (16040507)	4.27319 (16040507)	4.48369 (16040507)	4.73512 (16040507)
3604097.5	3.49439 (16040507)	3.76634 (16040507)	3.92878 (16040507)	4.15308 (16040507)	4.42672 (16040507)
3603847.5	3.34081 (17021608)	3.49263 (17021608)	3.72994 (17021608)	3.81563 (17021608)	4.03288 (17021608)
3603597.5	3.10577 (15021808)	3.22940 (15021808)	3.42259 (15021808)	3.55944 (15021808)	3.63307 (15021808)
3603347.5	2.85517 (15021808)	2.88263 (15021808)	2.89034 (15021808)	2.83357 (15021808)	2.74956 (15021808)
3603097.5	2.55830 (15111907)	2.57823 (16093005)	2.64518 (16093005)	2.63790 (16093005)	2.88059 (15092907)
3602847.5	2.53271 (15102923)	2.70889 (15092907)	3.10305 (15092907)	3.42044 (15092907)	3.72664 (15092907)
3602597.5	3.06602 (15092907)	3.32724 (15092907)	3.59979 (15092907)	3.76053 (15092907)	3.82404 (15092907)
3602347.5	3.32682 (15092907)	3.41309 (15092907)	3.41217 (15092907)	3.63025 (17092807)	3.98716 (17092807)
3602097.5	3.09261 (17092807)	3.40998 (17092807)	3.66479 (17092807)	3.78168 (17092807)	4.08178 (15092707)
3601847.5	3.39443 (17092807)	3.49383 (17092807)	3.68800 (15092707)	3.91377 (15092707)	3.99662 (15092707)
3601597.5	3.40145 (15092707)	3.62292 (15092707)	3.69978 (15092707)	3.61755 (15092707)	3.32402 (15092707)
3601347.5	3.47338 (15092707)	3.44892 (15092707)	3.26994 (15092707)	2.92721 (15092707)	2.71177 (17102519)
3601097.5	3.18034 (15092707)	2.94277 (15092707)	2.59034 (17102519)	2.60975 (16092705)	2.63071 (16092705)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 518
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HMA4 ***
INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 505368.86	505618.86	505868.86	506118.86	506368.86
3606097.5	4.67321 (17040507)	4.83657 (17040507)	4.35647 (17040507)	3.34188 (15041807)	4.06239 (16022608)
3605847.5	4.27958 (17040507)	4.93518 (17040507)	5.29848 (17040507)	4.63964 (17040507)	3.69881 (17040507)
3605597.5	3.57763 (16042007)	4.26149 (17040507)	5.22421 (17040507)	5.83395 (17040507)	5.22348 (17040507)
3605347.5	3.42002 (17122409)	3.56720 (16042007)	4.12396 (16042007)	5.22118 (17040507)	6.16064 (17040507)
3605097.5	3.43124 (17122409)	3.94827 (17122409)	4.00827 (17122409)	4.11788 (17111308)	4.89073 (17040507)
3604847.5	3.80598 (15040307)	3.53988 (15040307)	4.07478 (17122409)	4.50389 (17122409)	4.73660 (17122409)
3604597.5	4.56630 (15040307)	4.76898 (15040307)	4.51972 (15040307)	4.55044 (15040307)	4.41894 (17122409)
3604347.5	4.94488 (16040507)	5.07966 (16040507)	4.94817 (16040507)	4.60881 (15040307)	4.84135 (15040307)
3604097.5	4.73730 (16040507)	5.26750 (16040507)	5.48092 (16040507)	5.04695 (16040507)	4.67025 (16040507)
3603847.5	4.25539 (17021608)	4.30591 (17021608)	4.38280 (15090707)	4.67796 (15090707)	4.91451 (15090707)
3603597.5	3.77799 (15021808)	3.79115 (15021808)	3.76360 (15021808)	3.74663 (15021808)	3.73376 (15021808)
3603347.5	2.79705 (17120403)	2.94751 (17120403)	3.07243 (17120403)	3.55150 (15092907)	3.93736 (15092907)
3603097.5	3.27935 (15092907)	3.81811 (15092907)	4.19269 (15092907)	4.67414 (15092907)	4.73438 (15092907)
3602847.5	3.98225 (15092907)	4.26391 (15092907)	4.23428 (15092907)	4.87418 (17092807)	5.23376 (17092807)
3602597.5	3.94178 (17092807)	4.42558 (17092807)	4.60156 (17092807)	5.06004 (15092707)	5.22473 (15092707)
3602347.5	4.22056 (17092807)	4.57272 (15092707)	4.75347 (15092707)	4.52597 (15092707)	3.67994 (15092707)
3602097.5	4.29284 (15092707)	4.25713 (15092707)	3.92023 (15092707)	3.11504 (15092707)	2.76457 (17120405)
3601847.5	3.78374 (15092707)	3.33157 (15092707)	2.70873 (16092705)	2.63966 (15021219)	2.61317 (17110223)
3601597.5	2.84718 (15092707)	2.76955 (16092705)	2.63954 (16090906)	2.64966 (15090503)	2.96508 (16022508)
3601347.5	2.72046 (16092705)	2.60507 (16090906)	2.62644 (15090503)	2.78825 (16022508)	3.22912 (16022508)
3601097.5	2.59174 (17091905)	2.57899 (15090503)	2.75086 (17102503)	3.08722 (16022508)	3.16893 (16022508)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** 16:35:25

PAGE 519
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HMA4 ***
INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
- -
- -

3606097.5 | 4.04670 (16022608) 4.33333 (17041607) 4.91785
(17021308) 5.73487 (17021508) 6.88409 (17021508)
3605847.5 | 4.17158 (16022608) 4.30943 (17041607) 5.11692
(17041607) 5.04370 (17041607) 6.45045 (17021508)
3605597.5 | 4.18713 (17040507) 4.54856 (15041807) 4.92098
(17041607) 6.05235 (17041607) 5.67249 (17031608)
3605347.5 | 6.29556 (17040507) 4.77580 (17040507) 4.91365
(15041807) 5.10309 (17041607) 5.32407 (17041607)
3605097.5 | 6.29566 (17040507) 7.07271 (17040507) 6.09620
(17040507) 6.33131 (15041807) 6.37310 (17041607)
3604847.5 | 4.82992 (17111308) 6.11470 (17040507) 7.19975
(17040507) 7.43916 (15042907) 8.14857 (15041807)
3604597.5 | 5.29033 (17122409) 5.76144 (17122409) 5.96143
(15042907) 8.07035 (15042907) 9.51003 (15042907)
3604347.5 | 4.50426 (15040307) 4.48423 (17122009) 5.76256
(17122409) 6.90203 (17122409) 8.39355 (15042907)
3604097.5 | 4.76330 (15090707) 5.06379 (15090707) 5.35386
(17120517) 5.84838 (17120517) 7.36688 (15021403)
3603847.5 | 4.94635 (15090707) 5.29691 (15090707) 5.30941
(15090707) 5.69438 (15010809) 7.03372 (15012603)
3603597.5 | 3.48692 (15090707) 3.33575 (17112808) 4.03941
(15031518) 4.84062 (15031419) 6.25263 (15031419)
3603347.5 | 4.08471 (15092907) 3.59747 (16022808) 3.86786
(16022808) 4.66384 (16122120) 5.07023 (17041707)
3603097.5 | 4.80294 (17092807) 4.85018 (15092707) 4.07730
(15092707) 4.29809 (17041707) 4.21496 (16010309)
3602847.5 | 5.52539 (15092707) 4.93077 (15092707) 3.63076
(17041707) 4.04459 (16010309) 4.59997 (16010309)
3602597.5 | 4.27945 (15092707) 3.11014 (15092707) 3.72982
(16010309) 4.31826 (16010309) 4.69811 (16091807)
3602347.5 | 2.95103 (17120405) 3.26223 (16010309) 3.92144
(16010309) 4.19129 (16091807) 6.16003 (16091807)
3602097.5 | 2.85007 (16010309) 3.46208 (16010309) 3.56345
(16010309) 5.43772 (16091807) 6.66857 (16091807)
3601847.5 | 3.07972 (16010309) 3.37394 (16022508) 4.39530
(16091807) 6.01135 (16091807) 6.44684 (16091807)
3601597.5 | 3.35320 (16022508) 3.51492 (16091807) 5.07226
(16091807) 6.09097 (16091807) 5.83105 (16091807)
3601347.5 | 3.19238 (16022508) 4.20207 (16091807) 5.46954
(16091807) 5.90873 (16091807) 5.11474 (16091807)
3601097.5 | 3.43703 (16091807) 4.70318 (16091807) 5.54820
(16091807) 5.47995 (16091807) 4.42932 (16091807)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 520
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA4 ***
INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
**

Y-COORD | X-COORD (METERS)
(METERS) | 507868.86 508118.86 508368.86
508618.86 508868.86
- -
- -

3606097.5 | 24.13073 (17020920) 21.49832 (17011402) 25.90682
(16060301) 7.54342 (15010103) 18.48237 (16031023)
3605847.5 | 5.95870 (16021807) 5.23399 (16083107) 23.15562
(15121702) 30.13421 (15010907) 12.62410 (17120924)
3605597.5 | 8.73534 (15010807) 6.01431 (17021508) 5.69207
(16083107) 4.59732 (15011409) 5.50851 (15122306)
3605347.5 | 7.06430 (17021508) 5.97698 (17021508) 18.83162
(16020207) 36.17552 (17020819) 4.73742 (16083007)
3605097.5 | 6.21371 (16012809) 5.74279 (17022721) 23.05090
(15121906) 15.19871 (15112808) 49.19327 (15021924)
3604847.5 | 7.50625 (17041607) 6.96112 (17022719) 61.16553
(16120106) 18.24095 (15112808) 5.30958 (16111708)
3604597.5 | 8.97673 (17012220) 10.39238 (15011105) 92.92195
(15022305) 23.01978 (15112808) 7.65609 (16111708)
3604347.5 | 10.78353 (15042907) 15.02694 (15010602) 18.01479
(16122324) 68.82292 (16120120) 96.48653 (15101307)
3604097.5 | 11.79801 (17011824) 15.90721 (15010601) 30.53704
(16122323) 15.58150 (17012016) 14.66189 (17012017)
3603847.5 | 11.21586 (15031421) 19.70710 (15012602) 16.54509
(16110907) 36.71462 (16020104) 22.69763 (16013119)
3603597.5 | 9.83646 (16122120) 9.82472 (15110323) 9.02728
(15122610) 22.58295 (16041618) 131.20880 (17010220)
3603347.5 | 4.89813 (17041707) 6.19733 (15092119) 6.67299
(17112705) 9.52397 (15041720) 51.59565 (15013001)
3603097.5 | 4.54099 (16010309) 4.57288 (15092119) 5.79198
(15123109) 6.44984 (15083007) 7.06001 (15120809)
3602847.5 | 4.09719 (16091807) 3.98941 (16012209) 5.19253
(15123109) 5.24563 (15083007) 5.47401 (17122509)
3602597.5 | 5.91382 (16091807) 3.95399 (17052207) 4.87212
(16121509) 4.56004 (15083007) 5.08734 (17122509)
3602347.5 | 6.24649 (16091807) 3.87896 (15091307) 4.52271
(16121509) 4.33000 (15091207) 4.94407 (17031208)
3602097.5 | 5.81341 (16091807) 4.01951 (15091307) 4.16583
(16121509) 3.97925 (15091207) 5.68356 (17031208)
3601847.5 | 5.08521 (16091807) 3.97400 (15091307) 3.89636
(16121509) 3.69459 (16082907) 5.81908 (17031208)
3601597.5 | 4.26280 (16091807) 3.87516 (15091307) 3.62661
(16121509) 3.68564 (16082907) 5.76744 (17031208)
3601347.5 | 3.55334 (17111908) 3.66746 (15091307) 3.44029
(16121509) 3.61529 (16082907) 5.44634 (17031208)
3601097.5 | 3.29932 (17111908) 3.47248 (15091307) 3.28047
(16121509) 3.54275 (16082907) 4.91189 (17031208)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 521
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA4 ***
INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
**

```
  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |      509118.86              509368.86              509618.86
509868.86            510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     3.51636 (15112808)    32.67334 (15122821)      3.56788
(16083007)      2.17975 (16083007)      1.44420 (17091007)
 3605847.5 |    11.86774 (15021924)     5.66313 (16083007)      4.92722
(16083007)      2.64128 (16081907)      2.12356 (17121809)
 3605597.5 |     9.09138 (15033023)     9.73429 (16120518)     29.53945
(17021903)     39.80611 (16021524)      2.95195 (15082707)
 3605347.5 |     6.22768 (15121319)     6.47472 (17021903)      7.20915
(16121519)     23.60369 (17040402)      3.69182 (15082707)
 3605097.5 |     8.03659 (15122821)     4.28571 (16092207)     29.76809
(17040402)     24.08518 (16120221)      9.45731 (15121624)
 3604847.5 |     4.58420 (17091007)     2.75685 (17012509)      4.98960
(15082707)      4.13885 (15082707)     21.86857 (17110207)
 3604597.5 |     5.31035 (16092207)     5.52095 (15082707)      3.07435
(16082307)      2.82918 (16082307)      6.51874 (16040707)
 3604347.5 |    54.33144 (15121624)    46.94528 (15083124)      7.59264
(16040707)      2.61034 (16041207)      2.37690 (16041207)
 3604097.5 |    38.55909 (17122021)    65.84612 (15120702)     10.82240
(17062901)      2.48327 (16042722)      2.03756 (16042722)
 3603847.5 |    20.40744 (16121119)    50.17082 (16020418)     25.80319
(15082523)      6.32794 (15062407)      3.79528 (17030408)
 3603597.5 |    36.27134 (15011301)    66.94875 (15012119)     54.85497
(17040401)     44.19373 (15013107)     22.11164 (15013107)
 3603347.5 |    42.30264 (17010921)    74.02253 (16120121)      7.03201
(16021819)     58.97946 (17022805)     11.14840 (17021020)
 3603097.5 |    58.70932 (15021604)     8.76324 (17061807)      6.58983
(17061807)      5.20479 (15022609)      4.99647 (17122709)
 3602847.5 |     7.54351 (16122809)     6.93515 (17061807)      7.37950
(17061807)      6.43525 (17061807)      5.59182 (15022609)
 3602597.5 |     5.95887 (16122809)     5.62451 (16122809)      6.47799
(17122909)      6.87331 (17061807)      5.96241 (17061807)
 3602347.5 |     4.44448 (16122809)     5.59342 (16122809)      5.90310
(17122909)      5.81796 (17122909)      6.09232 (17061807)
 3602097.5 |     4.20005 (17031208)     4.84540 (16122809)      5.13660
(17082907)      5.58601 (17122909)      6.05238 (17122909)
 3601847.5 |     5.30350 (17031208)     3.88900 (16122809)      5.28380
(17082907)      5.00083 (17082907)      5.32262 (17122909)
 3601597.5 |     5.87057 (17031208)     3.69600 (17031208)      4.62842
(17082907)      5.45414 (17082907)      4.69436 (17082907)
 3601347.5 |     6.05017 (17031208)     4.45138 (17031208)      3.66993
(17082907)      5.21438 (17082907)      5.31654 (17082907)
 3601097.5 |     5.90153 (17031208)     4.87811 (17031208)      3.10294
(17082607)      4.49680 (17082907)      5.30178 (17082907)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***         05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 522
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA4      ***
                                  INCLUDING SOURCE(S):      HMA4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |      510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     1.49981 (16081907)     1.20842 (16081907)      1.38425
(15082707)      1.52883 (15082707)
 3605847.5 |     2.10095 (17121809)     1.47913 (15082707)      1.59233
(15082707)      1.53415 (15082707)
 3605597.5 |     1.59407 (15082707)     1.68160 (15082707)      1.54255
(15082707)      1.44648 (16082307)
 3605347.5 |     2.60941 (17032908)     2.46562 (17122309)      2.50193
(16082307)      1.93064 (16082307)
 3605097.5 |     3.23958 (15082707)     2.87685 (16082307)      2.16090
(16082307)      1.94909 (16082307)
 3604847.5 |    11.04042 (17110207)     5.52244 (16040707)      3.29152
(16040707)      5.35664 (16040707)
 3604597.5 |     6.56907 (16040707)    17.84430 (16030702)      8.62650
(16030702)      3.28097 (17082707)
 3604347.5 |     2.45782 (17082707)     3.77671 (17082707)      2.48968
(17082707)      2.21712 (17082707)
 3604097.5 |     2.03596 (17082707)     1.94632 (17082707)      1.92003
(17082707)      1.89204 (17082707)
 3603847.5 |     3.90569 (17030408)     1.79912 (17010309)      1.71509
(15062207)      1.78987 (15062407)
 3603597.5 |    22.27752 (15013107)     4.38990 (15062407)      3.04148
(17122709)      2.09539 (17082908)
 3603347.5 |    41.33372 (16121123)     8.25882 (15091922)      2.60342
(17082908)      2.40851 (17082908)
 3603097.5 |    39.02572 (15042106)     4.24089 (17122709)      3.19370
(15022408)      2.35667 (15022408)
 3602847.5 |     4.47566 (15022609)     3.91212 (16020517)      3.58467
(15022408)      3.49048 (17122709)
 3602597.5 |     8.48314 (17011718)     3.16639 (15022609)      3.24965
(17062207)     11.86897 (15011301)
 3602347.5 |     5.75845 (17061807)     4.79069 (15022609)     23.13265
(16120121)      6.62117 (15022021)
 3602097.5 |     6.01939 (17061807)     4.92918 (17061807)      4.11173
(17061807)      4.43899 (15022609)
 3601847.5 |     5.48450 (17061807)     4.99239 (17061807)      4.45255
(17061807)      3.75291 (17061807)
 3601597.5 |     5.01166 (17122909)     4.42593 (17061807)      4.68824
(17061807)      4.05068 (17061807)
 3601347.5 |     4.34896 (17102808)     4.15469 (17102808)      4.01599
(17061807)      4.22922 (17061807)
 3601097.5 |     4.45244 (17082907)     4.23199 (17102808)      3.87520
(17102808)      3.85977 (17061807)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***         05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 523
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HMA4      ***
                                  INCLUDING SOURCE(S):      HMA4         ,

                                              *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63       28.04363  (16111020)
507708.67   3603932.32        8.37761  (15012603)
        506203.59   3603369.23        3.53549  (15092907)
507919.87   3604794.52        7.42761  (17041607)
        507037.89   3604916.08        7.37288  (17040507)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 524
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HSI1     ***
                                 INCLUDING SOURCE(S):     HSI1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.39435 (16020408)     14.21513 (15011008)     17.08015
(16012908)     19.45427 (16012908)     19.96490 (17020308)
 3605847.5 |     16.47889 (15040607)     15.46334 (15040607)     16.03580
(16020408)     17.82551 (15011008)     22.25935 (16012908)
 3605597.5 |     16.34433 (15040607)     18.47518 (15040607)     20.11538
(15040607)     19.60049 (15040607)     20.97070 (16020408)
 3605347.5 |     15.42022 (17012508)     15.78963 (15011608)     17.52145
(15040607)     20.02019 (15040607)     23.66785 (15040607)
 3605097.5 |     15.99069 (16122808)     16.85302 (17010407)     18.90612
(17012508)     18.95703 (17012508)     20.61505 (15011608)
 3604847.5 |     21.92474 (15040307)     22.65228 (15040307)     21.51918
(15040307)     20.36804 (16122808)     22.65213 (16122808)
 3604597.5 |     18.91385 (17092707)     19.78926 (17092707)     20.21546
(17092707)     24.19186 (15040307)     28.78938 (15040307)
 3604347.5 |     19.77448 (16040507)     20.06518 (16040507)     20.34961
(16040507)     21.08333 (16011421)     23.93127 (16011421)
 3604097.5 |     16.52332 (17011708)     18.60083 (17011708)     20.09327
(17011708)     22.11512 (17011708)     24.63767 (17011708)
 3603847.5 |     19.12296 (17021608)     20.39523 (17021608)     22.30741
(17021608)     23.39554 (17021608)     26.15111 (17122608)
 3603597.5 |     16.07737 (17021608)     16.30779 (17021608)     18.14319
(15021102)     20.20354 (15021102)     21.96741 (15021102)
 3603347.5 |     15.01305 (17122908)     16.69043 (17122908)     18.52034
(17122908)     20.04881 (17122908)     21.82113 (16010308)
 3603097.5 |     14.49459 (17021402)     15.88738 (17011719)     17.17736
(15012720)     19.69645 (15012720)     21.07530 (16021602)
 3602847.5 |     14.28682 (16021602)     15.11343 (16012803)     17.14492
(16012803)     18.59712 (16011702)     20.44492 (17120906)
 3602597.5 |     14.07516 (17120906)     15.21937 (17120906)     17.78070
(15092907)     22.41974 (15092907)     25.72744 (15092907)
 3602347.5 |     18.58807 (15092907)     21.22575 (15092907)     22.08897
(15092907)     20.43713 (15092907)     19.99391 (17092807)
 3602097.5 |     18.64778 (15092907)     16.27334 (15092907)     18.68534
(17092807)     23.45179 (17092807)     25.16069 (17092807)
 3601847.5 |     17.49095 (17092807)     21.10034 (17092807)     21.91861
(17092807)     25.76926 (15092707)     30.55159 (15092707)
 3601597.5 |     19.79512 (17092807)     22.27085 (15092707)     26.52313
(15092707)     26.70429 (15092707)     21.65680 (15092707)
 3601347.5 |     23.65314 (15092707)     24.79073 (15092707)     21.88584
(15092707)     15.70069 (15092707)     10.84576 (17122105)
 3601097.5 |     21.55692 (15092707)     17.06170 (15092707)     11.11811
(15092707)      9.78918 (17122105)     10.46913 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 525
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HSI1     ***
                                 INCLUDING SOURCE(S):     HSI1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.01520 (17040507)     28.04760 (17040507)     27.09960
(17020108)     26.65403 (16121408)     39.38118 (16120208)
 3605847.5 |     24.87062 (17020308)     27.91562 (17040507)     32.93940
(17040507)     30.63122 (17020108)     30.95196 (16121408)
 3605597.5 |     23.33666 (16011506)     28.99172 (16012908)     31.20205
(17020308)     37.53571 (17040507)     34.79412 (17020108)
 3605347.5 |     24.02154 (15121608)     26.49954 (16020408)     31.19070
(16011506)     38.06443 (17020308)     39.49294 (15021008)
 3605097.5 |     23.04002 (15040607)     28.47818 (15040607)     31.24796
(15121608)     34.80269 (16020408)     43.02749 (16012908)
 3604847.5 |     23.88451 (17012508)     26.07765 (17012508)     30.56420
(15011608)     33.78078 (17012703)     41.68109 (15121608)
 3604597.5 |     27.76480 (15040307)     28.36936 (16122808)     30.64162
(16122808)     34.99212 (17012508)     40.86880 (17012508)
 3604347.5 |     27.39920 (15122708)     31.18131 (17122422)     33.66900
(16020401)     34.30976 (15020702)     41.32480 (16011108)
 3604097.5 |     27.66561 (17011708)     33.05471 (17011708)     35.74843
(17011708)     36.24255 (16120722)     40.17275 (16120722)
 3603847.5 |     30.14658 (17122608)     33.12821 (17122608)     35.21189
(17122608)     40.48636 (17122608)     45.79295 (17122608)
 3603597.5 |     24.96427 (15021102)     27.25220 (16012807)     30.28357
(16012807)     35.11485 (15011603)     44.80389 (17122908)
 3603347.5 |     23.96446 (16010308)     26.54720 (17011719)     30.26791
(17011719)     35.93271 (15012720)     42.14208 (16021602)
 3603097.5 |     22.41945 (16021602)     26.25242 (16012803)     29.18021
(16011702)     35.13340 (15011506)     41.24749 (16021406)
 3602847.5 |     22.44344 (15011506)     28.10727 (15092907)     32.19958
(15092907)     33.94050 (17122824)     40.92982 (17010708)
 3602597.5 |     26.15132 (15092907)     24.87118 (17010704)     30.95278
(17092807)     35.61548 (17092807)     49.18034 (15092707)
 3602347.5 |     27.14862 (17092807)     29.73683 (17092807)     38.41708
(15092707)     40.95453 (15092707)     28.62927 (15092707)
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 3602097.5 |     30.91078 (15092707)     35.08989 (15092707)     30.40274
(15092707)     18.39296 (17122302)     19.74620 (15121422)
 3601847.5 |     28.69098 (15092707)     20.67035 (15092707)     15.32965
(17122105)     16.93259 (15121422)     18.18388 (16121224)
 3601597.5 |     13.59954 (15092707)     13.05667 (15022607)     14.33209
(17012504)     15.55904 (16121224)     16.52421 (17121505)
 3601347.5 |     11.56483 (15012201)     12.50980 (17012504)     13.40386
(16020405)     14.23679 (17121505)     15.14253 (15120324)
 3601097.5 |     11.18231 (17021905)     11.88632 (16020405)     12.69756
(17121505)     13.44682 (15120324)     13.98665 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 526
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HSI1     ***
                                 INCLUDING SOURCE(S):     HSI1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     48.84683 (16120208)     35.71214 (15121708)     54.27004
(17021308)     71.93083 (15021508)     65.63838 (17010724)
 3605847.5 |     44.52626 (16120208)     54.25348 (16120208)     46.88035
(16010908)     76.18156 (15021508)     71.03407 (15121303)
 3605597.5 |     36.49148 (17020202)     50.42228 (16120208)     56.60279
(16120208)     66.36384 (15122808)     94.86119 (15021508)
 3605347.5 |     42.58337 (15121803)     46.48938 (17020108)     56.23327
(16120208)     61.50841 (15121708)     61.37332 (17021308)
 3605097.5 |     50.45554 (17020308)     54.85463 (15120308)     67.05358
(17020108)     77.37080 (16120208)     82.89813 (15121708)
 3604847.5 |     48.04628 (16020408)     65.44671 (16012908)     75.29448
(15021008)    100.24335 (17020108)    123.39370 (16120208)
 3604597.5 |     48.54985 (17121424)     60.66259 (15121608)     74.65474
(16020408)    110.93345 (17020308)    148.22032 (17020108)
 3604347.5 |     50.13996 (16122808)     57.61245 (17012508)     73.00235
(15011608)     97.62818 (15012401)    135.57327 (16011506)
 3604097.5 |     48.59982 (16011421)     60.60399 (15122708)     77.81100
(17020524)     94.43963 (17013020)    137.35468 (16122808)
 3603847.5 |     51.87794 (17122608)     63.10595 (17122608)     78.13258
(17122608)    102.97146 (17122608)    144.17624 (17122608)
 3603597.5 |     52.05749 (17122908)     60.14627 (17122908)     73.42702
(17011719)     90.55019 (15012720)    121.43305 (16012803)
 3603347.5 |     49.70031 (16012803)     56.71562 (17120906)     71.55378
(16021406)     94.37324 (17122824)    112.70096 (17121308)
 3603097.5 |     48.24256 (17121720)     56.61451 (17010708)     67.09195
(17121308)     73.28061 (16021107)     61.21005 (15121422)
 3602847.5 |     48.25851 (17121308)     58.77359 (15092707)     43.69009
(15092707)     44.73447 (15121422)     49.05466 (17121505)
 3602597.5 |     43.53700 (15092707)     30.64992 (16011206)     35.27546
(17012504)     36.98588 (17121505)     41.56872 (16122704)
 3602347.5 |     24.08407 (15022607)     27.10400 (17021905)     29.51839
(17121505)     31.81299 (16021923)     34.84061 (17011624)
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 3602097.5 |     21.38067 (16121224)     23.58766 (17121505)     25.39394
(17010801)     27.61190 (17012722)     32.22640 (17022103)
 3601847.5 |     19.40255 (17121505)     21.19911 (17010801)     22.12294
(16122704)     26.69591 (17040807)     27.91611 (15021805)
 3601597.5 |     17.53276 (16121724)     18.98197 (16122704)     20.01875
(17011624)     23.09227 (17040807)     34.31562 (17020408)
 3601347.5 |     16.01342 (16022007)     17.15540 (16120304)     23.98266
(17040807)     22.59482 (15041007)     41.32547 (17020408)
 3601097.5 |     14.90913 (17012722)     18.88744 (17040807)     18.86850
(17040807)     24.59120 (17020408)     42.19647 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 527
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HSI1     ***
                                 INCLUDING SOURCE(S):     HSI1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     39.82677 (17070706)     42.38511 (15022002)     21.75987
(17022408)     13.59710 (16112208)     37.52249 (17032607)
 3605847.5 |     82.06420 (16012808)     97.16082 (16120908)     52.14041
(17022408)     36.65391 (15111919)     86.99694 (17032607)
 3605597.5 |     81.94393 (17021508)     55.21500 (16021807)     57.46684
(16120106)     64.73617 (15010907)     98.49132 (17020819)
 3605347.5 |     59.29464 (15021508)     64.18750 (17021508)     72.24850
(17022408)     34.80516 (16112208)    123.63902 (17120924)
 3605097.5 |     97.56780 (15021508)    144.98087 (16012808)     40.34930
(17022408)     28.12850 (16112208)     40.29483 (17032607)
 3604847.5 |    185.36183 (17021107)    171.24414 (15121303)     80.29808
(17022408)     38.97411 (16112208)     24.26344 (17032607)
 3604597.5 |    182.89554 (15120408)    168.33252 (15021508)     64.93680
(15013009)     69.80334 (17032607)     34.20985 (16111708)
 3604347.5 |    200.75483 (15021008)    283.85723 (15120408)    259.30127
(17102907)    204.79966 (17032607)     59.97908 (17022620)
 3604097.5 |    215.01361 (15011608)    382.11333 (16012908)    723.83013
(15121708)    952.85079 (15122908)    409.20281 (16021003)
 3603847.5 |    223.93629 (17122608)    375.58527 (17122608)   1043.49906
(17011708)   5053.92701 (17122021)    395.95850 (15061006)
 3603597.5 |    190.15973 (16021406)    295.02244 (17121308)    375.34627
(17010801)    431.60056 (16021308)    198.91027 (16013009)
 3603347.5 |    108.18335 (16021107)    131.00154 (15120324)    213.78441
(16012324)    308.68936 (15021621)    108.61602 (16022919)
 3603097.5 |     74.61688 (16020219)     94.78155 (17022103)    122.61036
(16010204)    183.69342 (16022219)    167.32121 (15011507)
 3602847.5 |     58.87376 (17012722)     74.92739 (15021805)     82.44901
(17122619)    101.08519 (17122205)     97.06947 (16022321)
 3602597.5 |     51.34797 (17022103)     79.18329 (17020408)     61.99889
(16010118)     73.49016 (17122205)     70.96242 (17123106)
 3602347.5 |     41.99000 (15021805)     65.05865 (17020408)     47.90826
(17122005)     57.45771 (17121519)     56.18032 (16121418)
```

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 3602097.5 |     51.03222 (17020408)     43.94673 (17020408)     38.49461
(16122020)     46.15390 (15121123)     45.30407 (17121306)
 3601847.5 |     54.37901 (17020408)     30.67493 (17020905)     32.03574
(16022802)     38.34232 (15121123)     37.54584 (15021622)
 3601597.5 |     47.44914 (17020408)     26.62214 (17122619)     27.10634
(16012923)     32.60555 (15121123)     32.67007 (16112308)
 3601347.5 |     37.01135 (17020408)     22.96508 (15022601)     23.63737
(16012923)     28.16411 (15121123)     30.35029 (16112308)
 3601097.5 |     26.31992 (17020408)     20.62917 (16010118)     21.08483
(17010402)     24.75845 (15121123)     27.42128 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 528
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HSI1     ***
                                INCLUDING SOURCE(S):     HSI1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     19.70808 (17032607)     13.55301 (15121322)     10.30933
(16111708)      7.76218 (17020109)      5.88281 (17020109)
 3605847.5 |     13.00380 (17032607)     66.51995 (15033023)     16.51825
(16083007)      7.55379 (17020109)      8.31031 (16092207)
 3605597.5 |     69.34435 (15021924)     64.50203 (17060105)     37.36329
(15092321)     18.22530 (15022123)     10.39377 (17121809)
 3605347.5 |     98.70586 (15033023)     86.43193 (16120518)     86.42292
(17022521)     19.75121 (16092207)     10.46709 (17121809)
 3605097.5 |     25.66321 (16083007)     11.24996 (17020109)     24.21020
(16092207)     50.78926 (17090523)     12.76261 (15110508)
 3604847.5 |     19.31278 (16111708)     16.38036 (16092207)     14.04440
(17121809)     11.51208 (15022724)     14.35724 (15022818)
 3604597.5 |     21.33153 (16092207)     17.16998 (17121809)     12.11903
(15082707)     13.22530 (17032608)     20.58075 (17032608)
 3604347.5 |     40.08637 (17012305)     33.93965 (15022818)     41.08873
(17032608)     50.02192 (16040707)     43.52089 (16040707)
 3604097.5 |    123.99643 (16040707)     76.09678 (16040707)     29.94840
(16040707)     18.88556 (17082707)     17.16806 (16090707)
 3603847.5 |    169.92867 (15061006)     83.13214 (15021202)     36.27693
(17030408)     25.32857 (17030408)     20.76844 (15062407)
 3603597.5 |     97.83619 (15022408)     51.27599 (17122709)     38.70856
(17010520)     29.93714 (15020117)     22.29899 (15061907)
 3603347.5 |    101.53877 (16013009)     67.16336 (16040807)    145.98462
(16100807)     39.22390 (15022408)     84.20672 (17040401)
 3603097.5 |     55.22195 (17020419)    148.91007 (17122124)    123.43337
(17022804)    144.56828 (17011308)    140.34588 (16121122)
 3602847.5 |    144.54005 (17120621)     96.84200 (16121022)     81.76141
(16121120)     93.87702 (16121203)     74.45905 (17121101)
 3602597.5 |     69.87338 (16121220)     86.34356 (15020908)     71.11193
(16010421)     66.81481 (16121120)     67.15345 (16122817)
 3602347.5 |     53.52917 (17010624)     57.08590 (17120621)     68.83555
(17021408)     54.00734 (16010421)     50.49407 (17122518)
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 3602097.5 |     43.61316 (15021419)     41.34645 (17010406)     53.74950
(17120621)     50.15557 (17021408)     84.46427 (15011201)
 3601847.5 |     37.18583 (15011921)     37.45126 (15022808)     35.36208
(16121008)     44.88502 (15020908)     40.87111 (16121022)
 3601597.5 |     31.77047 (16122021)     38.00056 (15022808)     28.56989
(17010406)     36.76531 (17120621)     38.35626 (17021408)
 3601347.5 |     28.11986 (17031208)     29.39283 (15022808)     25.21554
(16121220)     25.49819 (16121008)     32.56249 (15020908)
 3601097.5 |     24.47401 (16121418)     23.98595 (17011319)     30.21518
(15022808)     21.61517 (16092807)     26.81986 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 529
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HSI1     ***
                                INCLUDING SOURCE(S):     HSI1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.97753 (16092207)      8.75970 (17121809)      7.69953
(17121809)      5.89235 (17032908)
 3605847.5 |      9.51561 (17121809)      8.43012 (17121809)      6.52306
(17032908)      6.50902 (15082707)
 3605597.5 |      9.32890 (17121809)      7.25791 (17032908)      7.05571
(15082707)      5.25624 (15082707)
 3605347.5 |      8.10941 (17032908)      7.43096 (15082707)      4.67999
(15082707)      5.89943 (17122309)
 3605097.5 |      7.42312 (15082707)      5.99493 (17122309)      9.68185
(17122309)     11.61665 (17122309)
 3604847.5 |     13.36784 (16082307)     13.76762 (17122309)     21.01252
(16040707)     29.07168 (16040707)
 3604597.5 |     31.85318 (16040707)     37.83202 (16040707)     32.02280
(16040707)     21.82778 (16040707)
 3604347.5 |     25.92166 (16040707)     12.68444 (16040707)     11.22385
(17082707)     11.32747 (17082707)
 3604097.5 |     17.02205 (16090707)     16.01764 (16090707)     14.65085
(16090707)     13.19417 (16090707)
 3603847.5 |     18.61259 (15062407)     16.91004 (15062407)     15.52579
(15062407)     14.37448 (15062407)
 3603597.5 |     21.26310 (15061907)     16.59632 (15061907)     13.78454
(17042907)     12.05166 (17042907)
 3603347.5 |     37.98863 (15091922)     13.67157 (17082908)      8.38790
(17122709)      6.88556 (15061907)
 3603097.5 |     38.08901 (15022408)     20.61365 (15022408)     11.59186
(17122709)     10.79556 (17122709)
 3602847.5 |    107.19227 (15121020)     38.12158 (16040807)     33.97996
(15022408)     23.57018 (15022408)
 3602597.5 |     69.55508 (15031607)     30.37832 (16040807)     40.44386
(16040807)     32.41423 (16040807)
 3602347.5 |     55.88291 (15013018)     69.77406 (17010220)     36.90323
(16071324)     60.02546 (16040807)
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 3602097.5 |     91.95002 (17040307)     38.42694 (17122124)     38.91125
(16121203)     36.04788 (17022804)
 3601847.5 |     68.03329 (16010601)     33.74168 (17122518)     30.97737
(17122124)     29.92892 (16122817)
 3601597.5 |     35.07835 (16121022)     30.55287 (17011224)     30.01669
(17122518)     25.60055 (17122124)
 3601347.5 |     31.97515 (17021408)     24.77045 (16121022)     25.89571
(17011224)     24.75508 (17122518)
 3601097.5 |     28.12387 (15020908)     25.51698 (17021408)     22.17983
(16010421)     23.48039 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 530
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HSI1     ***
                                INCLUDING SOURCE(S):     HSI1        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      520.39090  (17012508)
507708.67   3603932.32      156.29842  (16120722)
        506203.59   3603369.23       37.84539  (15012720)
507919.87   3604794.52      175.40270  (15122808)
        507037.89   3604916.08       69.32181  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 531
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFRD    ***
                                INCLUDING SOURCE(S):     OFFRD       ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     20.45167 (17020308)     20.59087 (17010508)     24.05508
(17040507)     25.20870 (17040507)     25.00513 (17020108)
 3605847.5 |     18.56234 (16012908)     21.93345 (17020308)     22.86665
(17020308)     25.90000 (17040507)     29.04381 (17040507)
 3605597.5 |     21.27733 (16020408)     20.47343 (16020408)     22.27855
(17020308)     26.36180 (17020308)     27.12420 (17010508)
 3605347.5 |     30.66902 (15120108)     26.08573 (15120108)     24.49257
(16020408)     23.25915 (16020408)     27.56670 (17020308)
 3605097.5 |     39.11596 (15120108)     39.56945 (15120108)     37.23430
(15120108)     31.95717 (15120108)     28.62237 (16020408)
 3604847.5 |     34.93303 (15120108)     40.77868 (15120108)     44.85404
(15120108)     46.77567 (15120108)     46.29202 (15120108)
 3604597.5 |     24.12780 (17032907)     28.46668 (15120108)     36.66038
(15120108)     45.79669 (15120108)     55.38477 (15120108)
 3604347.5 |     28.54035 (15012708)     29.25804 (15012708)     29.72644
(15012708)     29.81420 (17032907)     38.02820 (15120108)
 3604097.5 |     27.24234 (16020508)     30.33317 (15012708)     33.16176
(15012708)     36.21095 (15012708)     39.14742 (15012708)
 3603847.5 |     21.16912 (16020508)     24.62587 (16020508)     29.02894
(16020508)     32.71014 (16020508)     37.58960 (16020508)
 3603597.5 |     24.01142 (15013008)     25.57050 (15013008)     27.88918
(15013008)     29.89519 (15013008)     31.45199 (15013008)
 3603347.5 |     27.06938 (17121208)     28.95893 (17121208)     31.11944
(17121208)     33.28440 (17121208)     35.79832 (17121208)
 3603097.5 |     26.86109 (17121208)     28.64318 (17121208)     30.62318
(17121208)     33.45038 (17121208)     35.56861 (17121208)
 3602847.5 |     18.30246 (16121222)     20.41002 (17121708)     23.26708
(17121708)     25.99521 (17121708)     29.09679 (17121708)
 3602597.5 |     23.21429 (17121708)     24.75987 (17121708)     26.45017
(17121708)     27.72907 (17121708)     28.76309 (17121708)
 3602347.5 |     18.54207 (17121708)     19.75279 (15021021)     21.19652
(15021021)     22.31762 (15021021)     24.04434 (15121719)
 3602097.5 |     17.59129 (15121719)     19.07066 (17122621)     20.49319
(16010301)     22.08181 (17021924)     23.96459 (17021924)
 3601847.5 |     17.79771 (17021924)     19.44123 (15092907)     22.29783
(15092907)     24.10138 (15092907)     24.35817 (15092907)
 3601597.5 |     21.63279 (15092907)     22.01337 (15092907)     20.87428
(15011108)     23.63862 (15011108)     25.37637 (15011108)
 3601347.5 |     18.56726 (15011108)     20.39443 (15011108)     22.94244
(17092807)     24.44777 (17092807)     31.80499 (15092707)
 3601097.5 |     21.70673 (17092807)     22.83464 (17092807)     28.49871
(15092707)     33.72424 (15092707)     34.23052 (15092707)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 532
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFRD    ***
                                INCLUDING SOURCE(S):     OFFRD       ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.97878 (17020108)     33.58633 (15032407)     51.89053
(16120208)     55.84499 (16120208)     45.65134 (16120208)
 3605847.5 |     27.06713 (17020108)     30.59056 (17020108)     37.61718
(15032407)     53.81111 (16120208)     58.71142 (16120208)
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 3605597.5 |     31.36050 (17040507)     29.30816 (17040507)     35.22557
(17020108)     43.10812 (15032407)     59.27920 (16120208)
 3605347.5 |     30.65737 (17020308)     32.76576 (15021008)     33.87140
(15120308)     39.72135 (17020108)     48.59981 (15032407)
 3605097.5 |     27.05305 (16012908)     34.41773 (17020308)     36.34167
(17010508)     39.11455 (15120308)     44.16922 (17020108)
 3604847.5 |     40.05730 (15120108)     34.07860 (16020408)     35.11072
(17020308)     41.54528 (17020308)     45.14427 (15021008)
 3604597.5 |     56.84414 (15120108)     57.19328 (15120108)     51.63383
(15120108)     41.67068 (16020408)     45.87867 (17020308)
 3604347.5 |     50.67455 (15120108)     63.45774 (15120108)     71.41690
(15120108)     73.36198 (15120108)     69.08112 (15120108)
 3604097.5 |     41.56935 (15012708)     44.93051 (15012708)     53.76141
(15120108)     69.28226 (15120108)     86.14197 (15120108)
 3603847.5 |     43.11984 (15012708)     48.68911 (15012708)     52.52180
(15012708)     58.14543 (15012708)     61.28138 (15012708)
 3603597.5 |     34.08805 (15013008)     35.65665 (15013008)     40.53046
(16020508)     48.79058 (16020508)     59.37161 (16020508)
 3603347.5 |     38.67246 (17121208)     41.97159 (17121208)     45.76944
(17121208)     50.89507 (17121208)     56.52790 (17121208)
 3603097.5 |     38.34094 (17121208)     42.19153 (17121208)     45.86482
(17121208)     51.44266 (17121208)     57.76255 (17121208)
 3602847.5 |     32.56083 (17121708)     37.04310 (17121708)     41.03709
(17121708)     46.44712 (17121708)     52.06953 (17121708)
 3602597.5 |     29.48573 (17121708)     30.58030 (15021021)     33.37503
(15021021)     37.21680 (15121719)     43.11695 (16010301)
 3602347.5 |     26.72508 (17122621)     29.95240 (16010301)     32.88069
(17010103)     36.51538 (17011921)     41.56325 (15011108)
 3602097.5 |     26.12397 (17012206)     28.64335 (16122906)     34.76068
(15011108)     38.95816 (15011108)     44.55695 (16031707)
 3601847.5 |     28.17399 (15011108)     31.28762 (15011108)     35.26136
(16031707)     41.82024 (16031707)     43.78735 (16031707)
 3601597.5 |     28.47187 (16031707)     35.65638 (15092707)     39.88585
(15092707)     36.73536 (15092707)     35.96226 (15032207)
 3601347.5 |     36.46148 (15092707)     35.44238 (15092707)     30.69619
(15032207)     28.91558 (15032207)     24.95121 (17122924)
 3601097.5 |     29.54337 (15092707)     26.33593 (15032207)     23.47664
(15032207)     22.24084 (15010718)     23.81877 (16032607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 533
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFRD    ***
                                 INCLUDING SOURCE(S):     OFFRD       ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     34.87513 (16120708)     49.98719 (15021508)     78.68445
(15021508)     51.46143 (15021508)     76.82642 (17021508)
 3605847.5 |     44.57524 (16120208)     35.90560 (17021401)     68.36187
(15021508)     81.07656 (15021508)     72.64117 (17021508)
```

```
 3605597.5 |     62.26997 (16120208)     49.32928 (16120708)     49.79667
(15021508)     95.09636 (15021508)     62.04499 (15021508)
 3605347.5 |     70.17882 (16120208)     66.70055 (16120208)     54.61905
(16120708)     62.73359 (15021508)     68.96992 (15021508)
 3605097.5 |     55.42896 (15032407)     79.14136 (16120208)     81.26103
(16120208)     58.58313 (16120708)     87.06635 (15021508)
 3604847.5 |     49.10082 (17020108)     65.29630 (15032407)     90.14972
(16120208)     88.88747 (16120208)     85.08401 (15021508)
 3604597.5 |     51.68478 (17010508)     55.84864 (15120308)     77.04425
(15032407)    102.72580 (17013108)    108.68741 (16120708)
 3604347.5 |     55.84088 (15120108)     60.08079 (17020308)     66.02320
(15021008)     91.98702 (15032407)    125.14766 (17013108)
 3604097.5 |     97.14191 (15120108)     96.71592 (15120108)     81.49757
(15120108)     80.51345 (17010508)    106.43012 (15032407)
 3603847.5 |     77.18496 (15120108)    107.11825 (15120108)    132.38031
(15120108)    142.34266 (15120108)    129.83677 (15120108)
 3603597.5 |     71.18340 (15012708)     84.28023 (15012708)     99.01815
(15012708)    134.11621 (15120108)    189.14018 (15120108)
 3603347.5 |     64.65574 (15013008)     71.48245 (15013008)     84.12800
(15013008)    100.30490 (15013008)    129.23946 (15012708)
 3603097.5 |     64.66745 (17121208)     72.32569 (17121208)     82.51615
(17121208)     96.83644 (17121208)    117.91930 (17121208)
 3602847.5 |     56.96271 (17121708)     58.78593 (17121708)     61.26358
(17121708)     69.69429 (16122802)     90.59629 (15011108)
 3602597.5 |     45.51583 (16122802)     51.68104 (15011108)     67.34095
(15011108)     83.29691 (16031707)    104.69440 (16031707)
 3602347.5 |     49.89861 (15011108)     59.44506 (16031707)     71.78024
(16031707)     72.39187 (15032207)     67.07128 (15032207)
 3602097.5 |     52.82976 (16031707)     54.78010 (16031707)     54.58070
(15032207)     45.77851 (17011023)     56.61190 (15010508)
 3601847.5 |     43.86360 (15032207)     41.13664 (15032207)     37.24743
(17020101)     45.16369 (15010508)     52.59428 (16052806)
 3601597.5 |     30.50498 (15032207)     31.57288 (17020101)     37.29403
(15010508)     38.73226 (16052806)     48.93242 (16052806)
 3601347.5 |     27.03796 (17020101)     31.71747 (15010508)     31.11263
(15012007)     41.14351 (16052806)     38.65634 (15123108)
 3601097.5 |     27.49210 (15010508)     27.05988 (17012624)     34.01334
(16052806)     34.95436 (16052806)     34.40817 (15011308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 534
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFRD    ***
                                 INCLUDING SOURCE(S):     OFFRD       ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     54.56035 (16120908)     50.31878 (17020823)     23.53580
(17022408)     17.23038 (15123009)     19.56535 (17032607)
 3605847.5 |     72.08435 (16120908)     69.85353 (16120908)     53.27827
(17022408)     49.20937 (15100707)     60.34458 (15010103)
```

```
 3605597.5 |     86.19457 (16012808)     77.45243 (16120908)     51.93329
(17022408)     55.42865 (15010907)     66.23564 (15010103)
 3605347.5 |     67.37318 (17021508)     78.72654 (16120908)     69.18388
(15121906)     53.09216 (16060301)     75.33024 (17032607)
 3605097.5 |     64.56991 (17021508)    120.93335 (16120908)     32.97970
(17022408)     23.23647 (15123009)     42.07406 (17032607)
 3604847.5 |    117.98863 (15021508)    113.27191 (16012808)     67.02095
(17022408)     25.50722 (15123009)     48.06490 (17032607)
 3604597.5 |    118.59831 (15021508)    127.17463 (16012808)     62.76294
(17022408)     28.28277 (15123009)     52.32177 (17032607)
 3604347.5 |    121.86813 (16120708)    121.65777 (15021508)    228.83417
(16120908)    102.19986 (16060301)     54.34375 (17032607)
 3604097.5 |    160.60302 (17013108)    142.29290 (16120708)    193.71597
(16120908)    172.46825 (16021204)    191.05432 (16121520)
 3603847.5 |    135.95877 (15032407)    216.39746 (17013108)    206.24019
(16100607)    269.18899 (16120908)    247.25963 (15122821)
 3603597.5 |    225.95527 (15120108)    245.51860 (15120108)    339.39170
(17013108)    498.56669 (16120908)     58.10260 (17032607)
 3603347.5 |    176.50724 (15012708)    313.10882 (15120108)    441.41168
(15120108)    386.10177 (16120908)     76.68215 (16040707)
 3603097.5 |    151.17589 (17121208)    209.39163 (17121208)    328.14759
(17121208)    397.45112 (15120608)    456.90533 (17040307)
 3602847.5 |    134.11467 (16031707)    187.58000 (16031707)    219.10085
(16052806)    354.75703 (15120608)    373.45230 (15121508)
 3602597.5 |    106.63025 (15032207)    109.06444 (16052806)    172.14260
(17122108)    227.68749 (15120608)    208.61686 (17010608)
 3602347.5 |     74.22080 (15010508)     98.79570 (16052806)    132.54038
(17122108)    165.05702 (15120608)    145.63522 (17010608)
 3602097.5 |     72.32652 (16052806)     80.79399 (17012608)     89.91516
(17122108)    126.53061 (15120608)    107.81987 (17062106)
 3601847.5 |     56.41258 (16052806)     80.82934 (17020408)     66.73503
(16012208)    100.59028 (15120608)     87.67602 (17062106)
 3601597.5 |     49.35538 (15011308)     79.11195 (17020408)     60.52270
(15011408)     82.21945 (15120608)     71.96378 (17062106)
 3601347.5 |     60.66291 (17020408)     66.36022 (17020408)     54.77657
(15011408)     68.69599 (15120608)     62.50062 (17010308)
 3601097.5 |     67.19199 (17020408)     50.74743 (17020408)     49.39583
(15011408)     58.47235 (15120608)     55.18156 (17010308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 535
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFRD    ***
                                 INCLUDING SOURCE(S):     OFFRD       ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     37.34843 (17032607)     22.70630 (16031023)      6.00793
(16092808)      8.31864 (16111708)     10.24990 (17020109)
 3605847.5 |     37.89594 (17032607)     65.11480 (16121520)     13.27436
(16083007)      9.48098 (16111708)     11.84039 (17020109)
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```
 3605597.5 |     75.21665 (17032607)     68.26032 (16121520)     56.55051
(15122821)     23.70128 (17020109)     12.02486 (17020109)
 3605347.5 |     85.10373 (17120924)     71.03306 (15021924)     60.54395
(15122821)     26.93076 (17020109)     10.93278 (16092207)
 3605097.5 |     28.49140 (17032607)      9.32255 (16083007)     27.71862
(17020109)     58.13771 (17022521)     15.92148 (16092207)
 3604847.5 |     22.13871 (17032607)     12.31075 (17020109)     15.39535
(17020109)     16.16252 (16092207)     17.58119 (17012509)
 3604597.5 |     15.46135 (17032607)     16.74661 (17020109)     13.44154
(17020109)     17.06288 (17121809)     14.35993 (17121809)
 3604347.5 |     30.57990 (17020109)     35.00877 (17020109)     18.51097
(17121809)     15.65182 (17121809)     11.80339 (17032908)
 3604097.5 |     88.28177 (15092321)     40.47308 (17121809)     27.46668
(17012609)     12.09651 (17032908)     13.50895 (17122309)
 3603847.5 |    153.41222 (16072606)     74.23337 (17032121)     28.97976
(17100708)     25.31404 (16040707)     29.83400 (16040707)
 3603597.5 |     39.23523 (16040707)     38.24466 (17122309)     38.12786
(17122309)     34.30148 (16040707)     29.19369 (16040707)
 3603347.5 |     57.16914 (16040707)     71.52516 (16040707)    121.95314
(15120702)     37.10455 (16121409)     85.07778 (16020303)
 3603097.5 |     81.17311 (16040807)    182.16197 (15013107)    126.14039
(15013107)    120.61825 (16020418)    101.42765 (16020418)
 3602847.5 |    326.75974 (17040307)    153.68949 (16123020)    117.10824
(15012119)    113.59899 (16012801)     89.38968 (16012801)
 3602597.5 |    215.09197 (17021408)    192.71379 (17040307)    118.76091
(17011308)     95.74927 (16012023)     84.04900 (17022805)
 3602347.5 |    155.45673 (15121508)    134.82071 (17021408)    141.27638
(17040307)     86.19202 (15031607)     80.56045 (17011308)
 3602097.5 |    117.79850 (15121508)    114.49126 (17021408)     84.54067
(17040307)    109.22242 (17040307)     92.12398 (17040307)
 3601847.5 |     87.21043 (17010608)     91.73949 (15121508)     98.05801
(17021408)     67.54639 (17040307)     88.59648 (17040307)
 3601597.5 |     75.68170 (17010608)     78.72582 (15121508)     64.30910
(16010602)     76.48689 (17021408)     55.85546 (17040307)
 3601347.5 |     60.43154 (17010608)     56.22718 (15121508)     62.34744
(15121508)     64.54180 (17021408)     57.00304 (17021408)
 3601097.5 |     45.85617 (17010608)     50.28702 (17010608)     56.94493
(15121508)     45.74578 (16010602)     59.34502 (17021408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 536
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFRD    ***
                                 INCLUDING SOURCE(S):     OFFRD       ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     11.04648 (17020109)      8.41936 (17020109)      7.79237
(17121809)     10.76582 (17121809)
 3605847.5 |     10.21795 (17020109)      7.54946 (17121809)     11.11818
(17121809)     12.06162 (17121809)
```

```
 3605597.5 |      8.08429 (17020109)     11.44990 (17121809)     12.82289
(17121809)     10.79118 (17121809)
 3605347.5 |     11.73758 (17121809)     13.68579 (17121809)     11.49830
(17121809)      9.28043 (17032908)
 3605097.5 |     14.66688 (17121809)     12.31264 (17121809)      9.95074
(17032908)      8.68206 (17032908)
 3604847.5 |     19.92835 (17012609)     10.94241 (15110508)      8.68841
(17032908)      8.39579 (17100708)
 3604597.5 |     12.30482 (15110508)     17.78357 (17100708)     19.28971
(17100708)     11.16888 (17122309)
 3604347.5 |     10.65367 (17100708)     12.22441 (17122309)     14.34439
(17122309)     20.15691 (16040707)
 3604097.5 |     19.18725 (16040707)     25.20609 (16040707)     28.84818
(16040707)     29.38930 (16040707)
 3603847.5 |     32.00492 (16040707)     30.28631 (16040707)     24.65098
(16040707)     17.38063 (16040707)
 3603597.5 |     27.26460 (17082707)     13.51944 (17082707)     13.08835
(17082707)     12.53817 (16121409)
 3603347.5 |     51.24760 (16020303)     24.97293 (16090707)     13.40404
(16121409)     12.73985 (17030408)
 3603097.5 |     30.58153 (15062407)     14.49997 (15062407)     13.97988
(15062407)     13.50210 (15062407)
 3602847.5 |     89.17272 (16121201)     14.91145 (17082908)     10.72087
(15061907)      9.67388 (15061907)
 3602597.5 |     89.20065 (15012119)     17.59780 (15022408)     16.03218
(17122709)     19.58283 (17062607)
 3602347.5 |     82.54408 (16040807)     79.65815 (15022202)     54.97422
(15022408)     65.56755 (15012119)
 3602097.5 |     80.83551 (15031607)     65.34766 (16040807)     66.83176
(16040807)     54.59432 (16040807)
 3601847.5 |     82.14939 (17040307)     52.65247 (15031607)     49.12191
(17011308)     58.50101 (16040807)
 3601597.5 |     74.95623 (17040307)     55.88073 (17040307)     43.37570
(15031607)     40.24362 (15031607)
 3601347.5 |     47.32510 (17040307)     60.44325 (17040307)     49.91527
(17040307)     35.70244 (17010220)
 3601097.5 |     41.53019 (17021408)     40.85141 (17040307)     51.73242
(17040307)     45.56035 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 537
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFRD    ***
                                INCLUDING SOURCE(S):     OFFRD       ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      170.65179  (16120708)
507708.67   3603932.32      102.24106  (17010508)
        506203.59   3603369.23       51.65731  (15013008)
507919.87   3604794.52      111.38441  (15021508)
        507037.89   3604916.08       85.96162  (16120208)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 538
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  PLO      ***
                                INCLUDING SOURCE(S):     PLO         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.30784 (16020408)     15.31428 (16120805)     18.31666
(16012908)     19.85120 (17020308)     22.49814 (17040507)
 3605847.5 |     15.60096 (15040607)     15.23229 (15010408)     15.90346
(16020408)     19.47919 (16120805)     23.52203 (16012908)
 3605597.5 |     17.35142 (15040607)     18.71009 (15040607)     19.34061
(15040607)     20.09240 (15010408)     21.58825 (15011008)
 3605347.5 |     16.01362 (15011608)     17.34961 (15040607)     19.19275
(15040607)     20.71520 (15040607)     23.12812 (15040607)
 3605097.5 |     16.22611 (17010407)     18.34085 (17012508)     19.62964
(17012508)     19.34292 (15011608)     20.90200 (15040607)
 3604847.5 |     22.36111 (15040307)     21.80991 (15040307)     19.58204
(16122808)     20.28327 (16122808)     24.80319 (17012508)
 3604597.5 |     19.43686 (17092707)     19.65568 (15040307)     23.25245
(15040307)     27.08163 (15040307)     30.36170 (15040307)
 3604347.5 |     19.28330 (16040507)     19.02150 (16040507)     19.82766
(16011421)     22.13742 (15122708)     25.43169 (15122708)
 3604097.5 |     17.46585 (17011708)     19.64824 (17011708)     20.96821
(17011708)     22.99924 (16040507)     25.49958 (16040507)
 3603847.5 |     17.93614 (17021608)     19.10120 (17021608)     21.99618
(15010808)     23.87440 (15010808)     27.51138 (15010808)
 3603597.5 |     18.55507 (17021608)     19.09078 (17021608)     20.18793
(17021608)     20.92594 (15011703)     22.91343 (15021102)
 3603347.5 |     15.42841 (15011603)     17.15081 (17122908)     19.36934
(17122908)     21.30741 (17122908)     23.41452 (17122908)
 3603097.5 |     15.22607 (17021402)     16.49018 (17011719)     18.08466
(17011719)     20.89996 (15012720)     22.17019 (16021602)
 3602847.5 |     15.04150 (16021602)     15.97306 (16021602)     18.00008
(16012803)     19.48540 (16011702)     21.46396 (17120906)
 3602597.5 |     14.63544 (16011702)     16.01396 (17120906)     17.76896
(15011506)     22.36398 (15092907)     26.48630 (15092907)
 3602347.5 |     18.49330 (15092907)     21.63162 (15092907)     23.08813
(15092907)     21.92641 (15092907)     20.34954 (17010708)
 3602097.5 |     19.68597 (15092907)     17.55087 (15092907)     18.65664
(17092807)     23.97805 (17092807)     26.35159 (17092807)
 3601847.5 |     17.53652 (17092807)     21.57268 (17092807)     22.81886
(17092807)     26.33188 (15092707)     31.72896 (15092707)
 3601597.5 |     20.55159 (17092807)     22.66801 (15092707)     27.32811
(15092707)     27.78953 (15092707)     22.64997 (15092707)
 3601347.5 |     24.27585 (15092707)     25.66884 (15092707)     22.79306
(15092707)     16.37199 (15092707)     11.37868 (17122105)
 3601097.5 |     22.37766 (15092707)     17.76091 (15092707)     11.56210
(15092707)     10.23045 (17122105)     10.99608 (15121422)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 539
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.41131 (17040507)     24.95607 (17020108)     26.51704
(17020108)     26.44732 (16120208)     45.13912 (16120208)
 3605847.5 |     24.46235 (17020308)     31.97652 (17040507)     30.12693
(17040507)     30.88929 (17020108)     30.81993 (16120624)
 3605597.5 |     26.62853 (16012908)     30.60212 (17020308)     33.47487
(17040507)     37.56067 (17040507)     37.22335 (17020108)
 3605347.5 |     25.29695 (15010408)     27.84261 (15011008)     36.24506
(16012908)     39.17571 (17020308)     43.44549 (17040507)
 3605097.5 |     24.75260 (15040607)     28.94290 (15121608)     33.18306
(15010408)     37.50162 (16011506)     47.76623 (17020308)
 3604847.5 |     24.37755 (17012508)     26.62409 (15011608)     31.46603
(17012703)     36.67926 (15121608)     44.83291 (15010408)
 3604597.5 |     26.64194 (15040307)     29.70535 (16122808)     30.99218
(17012508)     36.46148 (17012508)     43.01117 (15011608)
 3604347.5 |     29.32885 (17122422)     33.46839 (16020401)     36.20750
(15020702)     36.06458 (16011108)     45.37981 (16122808)
 3604097.5 |     28.23894 (16040507)     34.62953 (16120722)     38.36116
(16120722)     37.93935 (16011421)     42.36998 (16011421)
 3603847.5 |     31.80384 (15010808)     35.09162 (15010808)     37.14179
(15010808)     42.88190 (15010808)     48.18068 (15010808)
 3603597.5 |     26.55472 (15021102)     29.19048 (15021102)     32.27354
(15021102)     37.62941 (16012807)     47.55735 (16012807)
 3603347.5 |     25.74566 (16010308)     28.61963 (16010308)     32.36076
(17011719)     38.94522 (15012720)     46.48353 (16021602)
 3603097.5 |     24.23875 (16021602)     27.94316 (16012803)     31.32954
(16011702)     38.23119 (17120906)     45.16320 (17122623)
 3602847.5 |     23.71710 (15011506)     28.14618 (15092907)     33.67945
(15092907)     36.75432 (17122824)     44.84774 (17010708)
 3602597.5 |     27.85350 (15092907)     26.76254 (17122824)     31.68968
(17092807)     38.01314 (17092807)     52.33990 (15092707)
 3602347.5 |     27.83817 (17092807)     31.42399 (17092807)     40.09875
(15092707)     43.60232 (15092707)     30.51127 (15092707)
 3602097.5 |     31.83996 (15092707)     36.78503 (15092707)     32.25589
(15092707)     19.61467 (17122302)     21.19224 (15121422)
 3601847.5 |     30.08844 (15092707)     21.75537 (15092707)     16.23631
(17122105)     17.99636 (15121422)     19.34412 (16121224)
 3601597.5 |     14.20617 (15092707)     13.76654 (15022607)     15.17652
(17012504)     16.49648 (16020405)     17.40834 (17121505)
 3601347.5 |     12.15437 (15012201)     13.15376 (17012504)     14.16926
(16020405)     14.94212 (17121505)     15.86560 (16121724)
 3601097.5 |     11.76735 (17021905)     12.50112 (16020405)     13.29960
(17121505)     14.11616 (15120324)     14.71148 (16022007)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 540
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     42.94116 (16120208)     35.82541 (16010908)     65.94213
(15021508)     64.07201 (15021508)     70.60998 (17021508)
 3605847.5 |     50.65301 (16120208)     45.11262 (16120208)     48.30930
(15122808)     84.36931 (15021508)     74.34971 (17010724)
 3605597.5 |     37.16706 (16121408)     56.57157 (16120208)     50.95403
(15121708)     94.43013 (15120107)     79.61980 (15021508)
 3605347.5 |     49.16755 (17020108)     45.95965 (16121408)     61.48302
(16120208)     59.62936 (16010908)     69.89836 (15021508)
 3605097.5 |     51.56011 (15021008)     61.42264 (17020108)     69.04039
(16121408)     83.35602 (16120208)     83.18042 (15122808)
 3604847.5 |     54.79719 (16012908)     70.95188 (17020308)     80.05297
(16011607)    101.29433 (16121408)    128.18818 (16120208)
 3604597.5 |     52.60078 (15012401)     67.52175 (15010408)     93.79778
(16012908)    115.20612 (15021008)    147.06513 (17020108)
 3604347.5 |     50.95710 (16122808)     62.08853 (17012508)     77.95317
(17012703)    117.00022 (15010408)    180.51289 (17020308)
 3604097.5 |     51.38935 (15122708)     66.46159 (16020401)     87.10908
(17013020)    110.65913 (16122808)    153.59613 (17012508)
 3603847.5 |     52.76372 (15010808)     64.61244 (15010808)     79.87777
(17011708)    112.31822 (17011708)    168.29614 (17011708)
 3603597.5 |     56.19493 (17122908)     67.99041 (17122908)     86.05419
(17122908)    102.72456 (17011719)    144.63994 (16021602)
 3603347.5 |     54.46023 (16012803)     62.54380 (16011702)     80.92362
(17122623)    109.67243 (17121720)    132.52643 (17121308)
 3603097.5 |     52.81098 (16121801)     62.37008 (17010708)     76.69965
(17121308)     84.22060 (16021107)     70.32673 (15121422)
 3602847.5 |     53.79598 (17121308)     63.13235 (15092707)     47.52944
(15092707)     50.01077 (17012504)     54.72598 (15013101)
 3602597.5 |     46.72505 (15092707)     33.44957 (16011206)     38.84497
(17021905)     40.47352 (15013101)     45.64042 (16122704)
 3602347.5 |     25.97244 (15022607)     29.32124 (17021905)     31.72893
(15013101)     34.65810 (17022221)     37.53080 (17010503)
 3602097.5 |     22.94861 (16121224)     25.11240 (17121505)     27.06441
(17010801)     29.71071 (16120304)     34.40504 (16011119)
 3601847.5 |     20.52237 (17121505)     22.81702 (17010801)     23.79948
(17012722)     29.17617 (17040807)     30.29839 (17020408)
 3601597.5 |     18.70793 (17010801)     20.17754 (16122704)     21.22645
(17040807)     24.11575 (17022603)     31.73910 (17020408)
 3601347.5 |     17.03532 (16122704)     18.20417 (16120304)     24.79830
(17040807)     24.61052 (15041007)     45.74515 (17020408)
 3601097.5 |     15.82333 (17012722)     21.31736 (17040807)     18.94871
(17022603)     30.29617 (17020408)     43.19131 (17020408)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 541
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.77577 (16120206)     49.68246 (17022408)     15.25037
(17022408)     12.63940 (16091507)     39.74429 (17032607)
 3605847.5 |     64.43297 (17021508)     76.25347 (16121101)     37.77747
(17022408)     29.87516 (16091507)     83.74028 (17032607)
 3605597.5 |     88.19268 (17021508)     56.50544 (16121101)     54.18516
(17012203)     92.25874 (15010907)     80.89314 (17032607)
 3605347.5 |     69.40178 (17021508)     59.46269 (16021807)     59.48599
(17022408)     42.19473 (16091507)     94.13013 (17011124)
 3605097.5 |     90.16746 (15021508)    101.10954 (17070706)     37.60765
(17022408)     41.23712 (17032607)     22.33988 (15021124)
 3604847.5 |    145.55139 (16021523)    130.72960 (17021508)     46.94643
(17022408)     62.05028 (17032607)     14.36607 (15022208)
 3604597.5 |    279.94630 (16120708)    149.49646 (15021508)     72.52672
(15092607)    102.63214 (17032607)     35.73077 (16111708)
 3604347.5 |    247.44021 (17020108)    326.03124 (16010908)    163.98829
(15081703)    172.01634 (17032607)     52.77768 (15022723)
 3604097.5 |    266.86751 (15121608)    477.43385 (17020108)    610.59463
(17010208)    866.04571 (16120120)    251.29162 (17120708)
 3603847.5 |    280.44913 (17011708)    453.37924 (16011421)   1580.10645
(15011608)   1528.65693 (17021703)    219.75343 (15022201)
 3603597.5 |    242.04641 (15011506)    388.58906 (17121308)    570.90449
(17012722)    350.74868 (17012108)    157.44110 (16040807)
 3603347.5 |    130.65225 (16021107)    157.51028 (15120324)    277.13203
(17122823)    378.94157 (15011921)     97.34341 (16040518)
 3603097.5 |     86.54888 (15120324)    114.98047 (17022103)    144.31955
(17122619)    211.23269 (15021622)    215.96585 (17120621)
 3602847.5 |     65.87343 (16120304)     90.91207 (17020408)     90.99220
(17122005)    106.97070 (17122218)    103.39697 (15011507)
 3602597.5 |     56.54915 (16011119)     84.46569 (17020408)     67.73406
(16122020)     76.89260 (15021621)     74.61238 (16022321)
 3602347.5 |     48.65325 (17020408)     57.42066 (17020408)     51.12228
(16012923)     60.66312 (16022219)     58.00059 (16122021)
 3602097.5 |     60.12327 (17020408)     38.83337 (17020905)     40.45266
(16012923)     48.24057 (16022219)     47.17855 (15020321)
 3601847.5 |     56.28005 (17020408)     32.37443 (17122619)     33.68086
(17010402)     39.74947 (17122205)     38.91940 (16121418)
 3601597.5 |     44.35619 (17020408)     27.85239 (15022601)     28.26649
(17010402)     33.74745 (17122205)     33.66544 (15021622)
 3601347.5 |     31.99927 (17020408)     24.38321 (16010118)     24.75740
(17121803)     28.99275 (17122205)     29.92307 (16112308)
 3601097.5 |     23.09549 (17111908)     21.66903 (17122005)     22.09386
(17121803)     25.35742 (17122205)     28.37651 (16112308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 542
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.26471 (17032607)     12.40963 (16083007)      9.96006
(16111708)      7.57663 (17020109)      5.36309 (17020109)
 3605847.5 |     10.85540 (16010705)     58.21333 (15122821)     14.81578
(16083007)      6.99393 (17020109)      8.45363 (16092207)
 3605597.5 |     53.58994 (15021924)     48.54764 (17060105)     23.49319
(16101307)     17.37215 (16092207)     10.32804 (17121809)
 3605347.5 |     75.07484 (15122821)     67.27192 (15092321)     65.91587
(16072606)     18.06066 (16092207)      9.91529 (17121809)
 3605097.5 |     25.45861 (16083007)     11.39493 (15022224)     22.52757
(16092207)     38.15511 (17090523)     12.54473 (15110508)
 3604847.5 |     13.66138 (17020109)     15.41580 (16092207)     13.03768
(17121809)     10.37302 (15082707)     12.99843 (15082707)
 3604597.5 |     21.67372 (16092207)     15.63396 (17121809)     11.52788
(15082707)     11.75924 (17122309)     18.57116 (17032608)
 3604347.5 |     29.51742 (15082707)     27.86667 (15022818)     35.64405
(17032608)     45.05462 (16040707)     44.38700 (16040707)
 3604097.5 |     73.69451 (17012417)     73.73977 (16040707)     37.89735
(16040707)     16.94350 (17082707)     16.39086 (17082707)
 3603847.5 |     91.98842 (17060406)     55.46024 (17030408)     35.97404
(17091507)     24.32153 (17030408)     19.47436 (17030408)
 3603597.5 |     54.49247 (15020317)     42.56248 (15020117)     34.83916
(15020117)     26.16208 (15061907)     23.54406 (15061907)
 3603347.5 |    131.22700 (16111408)     83.02816 (16040807)    105.09628
(15022408)     33.96624 (17122709)     60.46907 (15091922)
 3603097.5 |     67.19793 (15021708)    213.85845 (16011523)    124.57558
(16121121)    124.38686 (16012023)    115.96371 (15022202)
 3602847.5 |    228.64811 (17021408)    102.69852 (17011224)     88.70229
(17122124)    118.81017 (17022804)     87.03645 (16040807)
 3602597.5 |     77.10286 (16121008)     89.18547 (17021408)     77.15908
(17011224)     73.56960 (17122124)     69.37675 (16121203)
 3602347.5 |     55.51372 (16121220)     69.54700 (17120621)     64.04661
(16121022)     56.38641 (17011224)     53.75611 (17122124)
 3602097.5 |     47.07043 (15022808)     44.60873 (16121008)     58.71544
(15020908)     48.94048 (16121022)     83.25576 (17021919)
 3601847.5 |     38.63470 (15021419)     36.67922 (16121220)     45.60826
(17120621)     46.87131 (17021408)     40.42469 (16010421)
 3601597.5 |     33.02008 (17011319)     36.55090 (15022808)     30.18111
(16121008)     38.88459 (15020908)     37.42214 (17021408)
 3601347.5 |     28.68767 (16122021)     35.98349 (15022808)     24.92497
(17010406)     30.94387 (17120621)     34.57457 (15020908)
 3601097.5 |     27.08281 (17031208)     27.66067 (15022808)     25.30605
(15022808)     22.72503 (16121008)     29.54668 (17120621)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 543
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.89711 (16092207)      8.65656 (17121809)      7.39747
(17121809)      5.83588 (17032908)
 3605847.5 |      9.42322 (17121809)      8.07029 (17121809)      6.43578
(17032908)      6.40086 (15082707)
 3605597.5 |      8.89009 (17121809)      7.12606 (17032908)      6.90248
(15082707)      5.13459 (15082707)
 3605347.5 |      7.91253 (17032908)      7.23074 (15082707)      4.57474
(15082707)      5.58925 (17122309)
 3605097.5 |      7.19128 (15082707)      5.63489 (17122309)      9.18892
(17122309)     11.22800 (17122309)
 3604847.5 |     12.84623 (16082307)     13.23276 (17122309)     18.62173
(16040707)     27.09529 (16040707)
 3604597.5 |     28.24190 (16040707)     36.15000 (16040707)     32.82391
(16040707)     23.81649 (16040707)
 3604347.5 |     29.37425 (16040707)     15.63960 (16040707)     10.15601
(17082707)     10.61206 (17082707)
 3604097.5 |     15.19116 (16090707)     15.09138 (16090707)     14.38049
(16090707)     13.36552 (16090707)
 3603847.5 |     16.73366 (17030408)     14.98065 (17030408)     13.73373
(15062407)     12.84506 (15062407)
 3603597.5 |     24.69870 (16052106)     14.51689 (15061907)     14.40614
(17042907)     12.22080 (17042907)
 3603347.5 |     25.94969 (15120117)     13.67926 (15020117)      8.39980
(15061907)      8.61371 (15061907)
 3603097.5 |     26.70227 (15022408)     12.97046 (15080207)     11.47095
(17122709)     10.03393 (17122709)
 3602847.5 |     91.94530 (16040807)     36.69077 (15022408)     28.21663
(15022408)     15.77164 (15022408)
 3602597.5 |     51.31463 (16060106)     39.64848 (16040807)     38.18605
(16040807)     30.82034 (15022408)
 3602347.5 |     56.49748 (16122817)     65.73465 (15031607)     31.22988
(15062224)     70.86430 (16040807)
 3602097.5 |     87.10222 (17040307)     41.24022 (15013018)     38.79647
(17022804)     35.79342 (17121101)
 3601847.5 |     72.52429 (17021919)     33.19282 (16012022)     32.21197
(15013018)     30.76795 (16121203)
 3601597.5 |     36.91527 (16010421)     31.25271 (17021621)     29.39989
(16012022)     27.56216 (16013009)
 3601347.5 |     29.56675 (16121022)     26.71205 (16010421)     25.97887
(17021621)     24.25506 (16121120)
 3601097.5 |     29.00056 (17021408)     26.03441 (16121022)     23.04566
(16010421)     23.84816 (17021621)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 544
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  PLO      ***
                                 INCLUDING SOURCE(S):     PLO         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      797.89248  (16012908)
507708.67   3603932.32      185.03762  (17020524)
        506203.59   3603369.23       41.11588  (17011719)
507919.87   3604794.52      139.96252  (15021508)
        507037.89   3604916.08       73.24242  (16011607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 545
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.50439 (16020408)     14.81712 (16011506)     18.01899
(16012908)     19.97911 (17020308)     20.92821 (17040507)
 3605847.5 |     16.20583 (15040607)     15.33435 (15010408)     16.19830
(16020408)     18.98762 (16011506)     23.52205 (16012908)
 3605597.5 |     17.04743 (15040607)     18.83888 (15040607)     20.02459
(15040607)     20.15771 (15010408)     21.68174 (16020408)
 3605347.5 |     15.69485 (15012821)     16.40238 (15040607)     18.60078
(15040607)     20.66166 (15040607)     23.83669 (15040607)
 3605097.5 |     16.27393 (15011519)     17.91897 (17012508)     19.75410
(17012508)     18.99707 (15011608)     20.77476 (15011608)
 3604847.5 |     22.59260 (15040307)     22.76031 (15040307)     20.91765
(15040307)     20.78745 (16122808)     23.98815 (17012508)
 3604597.5 |     19.52983 (17092707)     20.09671 (17092707)     21.72691
(15040307)     26.10773 (15040307)     30.39151 (15040307)
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 3604347.5 |     19.98386 (16040507)     20.05950 (16040507)     20.10803
(16040507)     22.08884 (16011421)     25.32273 (15122708)
 3604097.5 |     17.27582 (17011708)     19.53736 (17011708)     20.99997
(17011708)     23.06421 (17011708)     25.68644 (17011708)
 3603847.5 |     19.12768 (17021608)     20.42737 (17021608)     22.42569
(17021608)     23.94774 (17122608)     27.60533 (17122608)
 3603597.5 |     17.13227 (17021608)     17.46354 (17021608)     18.87046
(15021102)     21.13955 (15021102)     23.06176 (15021102)
 3603347.5 |     15.46653 (17122908)     17.30664 (17122908)     19.34701
(17122908)     21.03420 (17122908)     22.87893 (16010308)
 3603097.5 |     15.05183 (17021402)     16.48662 (17011719)     17.82342
(15012720)     20.70142 (15012720)     22.07659 (16021602)
 3602847.5 |     14.81973 (16021602)     15.67447 (16012803)     17.91189
(16012803)     19.42653 (16011702)     21.37013 (17120906)
 3602597.5 |     14.58333 (17120906)     15.78548 (17120906)     18.46317
(15092907)     23.25899 (15092907)     26.59923 (15092907)
 3602347.5 |     19.18265 (15092907)     21.85052 (15092907)     22.62883
(15092907)     20.76466 (15092907)     21.17125 (17092807)
 3602097.5 |     18.98270 (15092907)     16.43424 (15092907)     19.62424
(17092807)     24.34253 (17092807)     25.69932 (17092807)
 3601847.5 |     18.25996 (17092807)     21.80055 (17092807)     22.30728
(17092807)     27.06547 (15092707)     31.50388 (15092707)
 3601597.5 |     20.12481 (17092807)     23.36579 (15092707)     27.37795
(15092707)     26.98418 (15092707)     21.26251 (15092707)
 3601347.5 |     24.47037 (15092707)     25.20520 (15092707)     21.75765
(15092707)     15.16524 (15092707)     11.26922 (17122105)
 3601097.5 |     21.62827 (15092707)     16.73221 (15092707)     10.60514
(15092707)     10.11930 (15022607)     10.92805 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 546
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.48367 (17040507)     26.24919 (17040507)     27.38661
(17020108)     26.86519 (16121408)     43.82557 (16120208)
 3605847.5 |     25.28433 (17020308)     30.97349 (17040507)     32.14425
(17040507)     31.50119 (17020108)     31.69129 (16121408)
 3605597.5 |     25.34239 (16011506)     30.28970 (17020308)     31.38076
(17010508)     38.78277 (17040507)     37.21235 (17020108)
 3605347.5 |     25.32447 (15010408)     27.46098 (16020408)     35.09116
(16012908)     40.25767 (17020308)     42.85234 (17040507)
 3605097.5 |     24.33048 (15040607)     29.20025 (15040607)     33.10918
(15010408)     36.30547 (15011008)     47.66383 (16012908)
 3604847.5 |     24.58704 (17012508)     26.38208 (15011608)     31.34370
(17121424)     35.79292 (15012401)     44.49928 (15010408)
 3604597.5 |     27.97349 (15040307)     29.85102 (16122808)     30.48152
(16122808)     36.72691 (17012508)     43.28229 (15011608)
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 3604347.5 |     28.88359 (17020524)     33.17118 (17122422)     35.96906
(16020401)     35.27247 (15020702)     44.39042 (16011108)
 3604097.5 |     28.83780 (17011708)     34.47238 (17011708)     38.40830
(16120722)     37.86200 (16120722)     41.68189 (16011421)
 3603847.5 |     31.95249 (17122608)     35.22504 (17122608)     37.25329
(17122608)     43.04391 (17122608)     48.47721 (17122608)
 3603597.5 |     26.47327 (15021102)     28.77663 (15021102)     32.00328
(16012807)     37.20273 (16012807)     48.15123 (17122908)
 3603347.5 |     25.29535 (16010308)     28.04591 (17021402)     32.12748
(17011719)     38.58922 (15012720)     45.64480 (16021602)
 3603097.5 |     23.53854 (16021602)     27.79333 (16012803)     30.92495
(16011702)     37.69611 (15011506)     44.62140 (16021406)
 3602847.5 |     23.48635 (15011506)     29.37695 (15092907)     33.46018
(15092907)     36.34728 (17122824)     43.94923 (17010708)
 3602597.5 |     26.85096 (15092907)     26.34369 (17010704)     32.70644
(17092807)     37.30794 (15092707)     52.43242 (15092707)
 3602347.5 |     28.44065 (17092807)     30.54586 (17092807)     40.70436
(15092707)     41.88484 (15092707)     27.55612 (15092707)
 3602097.5 |     32.57324 (15092707)     36.05450 (15092707)     30.13626
(15092707)     19.18418 (17122302)     20.97618 (15121422)
 3601847.5 |     28.76175 (15092707)     19.95250 (15092707)     16.01320
(15022607)     17.67274 (15121422)     19.02018 (16020405)
 3601597.5 |     12.92090 (17122302)     13.58493 (15012201)     14.99997
(17012504)     16.31824 (16020405)     17.00414 (17121505)
 3601347.5 |     12.01340 (15012201)     12.94545 (17012504)     13.99955
(16020405)     14.63291 (17121505)     15.65156 (16121724)
 3601097.5 |     11.66619 (17021905)     12.34032 (16020405)     13.04947
(17121505)     13.86939 (15120324)     14.54824 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 547
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     46.11840 (16120208)     36.46452 (16010908)     64.82000
(17021308)     68.81916 (15021508)     68.42471 (17021320)
 3605847.5 |     49.47835 (16120208)     49.67150 (16120208)     47.90580
(15122808)     84.12803 (15021508)     75.67690 (15121303)
 3605597.5 |     38.02475 (16121408)     55.76152 (16120208)     51.49081
(15121708)     93.44828 (17013021)     86.97946 (15021508)
 3605347.5 |     47.57684 (17020108)     46.58160 (16121408)     61.46015
(16120208)     61.35514 (15121708)     68.05557 (15021508)
 3605097.5 |     50.63351 (17010508)     58.71761 (15121803)     68.49784
(16121408)     84.99557 (16120208)     84.90308 (16010908)
 3604847.5 |     51.60377 (15011008)     71.84015 (17020308)     80.60235
(15120308)    103.44996 (17020108)    136.32185 (16120208)
 3604597.5 |     52.43797 (17012703)     67.18417 (15121608)     86.89554
(16012908)    114.66813 (17020308)    160.63762 (17020108)
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 3604347.5 |     52.55567 (16122808)     62.38092 (17012508)     79.40702
(15011608)    116.17079 (15121608)    176.77198 (16012908)
 3604097.5 |     51.25251 (16011421)     65.66763 (17020524)     86.16635
(16020401)    106.71754 (16011108)    152.12294 (17012508)
 3603847.5 |     53.63938 (17122608)     65.86848 (17122608)     81.35938
(17122608)    110.23329 (17122608)    159.91990 (15010808)
 3603597.5 |     56.60562 (17122908)     66.23685 (17122908)     82.28597
(16010308)    100.46858 (15012720)    138.31441 (16012803)
 3603347.5 |     54.15712 (16012803)     61.93307 (17120906)     79.66983
(16021406)    106.35247 (17122824)    122.75766 (17121308)
 3603097.5 |     52.52622 (17121720)     62.30122 (17010708)     72.73394
(17121308)     77.69507 (16021107)     68.64124 (15121422)
 3602847.5 |     51.61621 (17121308)     61.83555 (15092707)     43.19950
(17122302)     48.62899 (17012504)     53.19996 (15120324)
 3602597.5 |     43.47926 (15092707)     32.68151 (15022607)     37.96091
(17021905)     39.62397 (15013101)     44.12418 (16122704)
 3602347.5 |     25.53654 (15012201)     28.80439 (16121224)     31.27028
(15013101)     33.88234 (16122704)     36.66577 (17010503)
 3602097.5 |     22.53716 (16121224)     24.61744 (15013101)     26.32841
(17010801)     29.02532 (16120304)     33.56252 (16011119)
 3601847.5 |     19.98315 (15013101)     22.40880 (17010801)     23.41999
(17012722)     28.90226 (17040807)     30.04944 (17020408)
 3601597.5 |     18.50670 (17010801)     19.79062 (16122704)     21.48837
(17040807)     23.70214 (17022603)     41.22513 (17020408)
 3601347.5 |     16.84865 (16122704)     17.89156 (16120304)     24.45969
(17040807)     24.38560 (15041007)     45.20052 (17020408)
 3601097.5 |     15.59050 (17012722)     21.35459 (17040807)     18.66361
(17022603)     30.00876 (17020408)     42.79108 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 548
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.58395 (15082706)     48.26286 (17022408)     16.73224
(17022408)     12.16629 (16091507)     40.07478 (17032607)
 3605847.5 |     70.68983 (17021508)     82.04720 (16120908)     41.32554
(17022408)     28.92073 (16091507)     85.53775 (17032607)
 3605597.5 |     89.75517 (17021508)     55.84458 (16121101)     55.71630
(17012203)     94.63276 (15010907)     83.90671 (17032607)
 3605347.5 |     64.04338 (17021508)     63.04842 (16021807)     64.09221
(17022408)     41.46290 (16091507)     98.10529 (17011124)
 3605097.5 |     97.76625 (15021508)    104.78788 (17070706)     39.84592
(17022408)     38.99094 (17032607)     23.21971 (17032607)
 3604847.5 |    151.06630 (15011121)    133.81617 (16020419)     53.73137
(15092607)     60.51182 (17032607)     15.05989 (15022208)
 3604597.5 |    259.88111 (16120708)    170.98588 (15021508)     76.80061
(15092607)    106.17360 (17032607)     38.07857 (16111708)
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 3604347.5 |    249.36803 (17020108)    352.51642 (16120708)    175.51725
(17021508)    196.04634 (17032607)     57.43609 (15022723)
 3604097.5 |    254.39398 (15121608)    466.86559 (15021008)    755.56902
(15120107)    841.73894 (16120120)    275.76631 (17120708)
 3603847.5 |    265.85610 (17011708)    462.16890 (17011708)   1500.87315
(15122708)   1865.27433 (17032007)    206.33261 (16051406)
 3603597.5 |    230.59954 (16021406)    340.99309 (16021107)    486.05251
(16120304)    290.86954 (15012817)    119.51227 (16040807)
 3603347.5 |    114.71457 (16011206)    148.12674 (17010801)    252.15442
(17122823)    350.73330 (15020321)     91.21559 (17020419)
 3603097.5 |     83.14522 (15120324)    109.03280 (17022103)    136.49901
(17122619)    197.56272 (17122218)    173.65309 (16121008)
 3602847.5 |     63.38196 (16120304)     88.60254 (17020408)     87.07344
(16010118)    102.75193 (15021621)     99.93036 (17010624)
 3602597.5 |     54.74132 (16011119)     82.88429 (17020408)     65.51690
(16122020)     74.91396 (16022219)     72.61242 (17011319)
 3602347.5 |     47.98052 (17020408)     57.15605 (17020408)     49.78020
(16022802)     59.17668 (16022219)     56.50664 (17123106)
 3602097.5 |     59.14794 (17020408)     37.86501 (17020905)     39.52394
(16012923)     47.08794 (17122205)     45.96021 (16121418)
 3601847.5 |     55.59597 (17020408)     31.77166 (17122619)     32.88542
(17010402)     38.98531 (17122205)     38.12786 (17121306)
 3601597.5 |     44.10346 (17020408)     27.28351 (15022601)     27.78893
(17010402)     33.00465 (17122205)     33.16950 (15021622)
 3601347.5 |     32.03559 (17020408)     23.93081 (16010118)     24.24218
(17121803)     28.34221 (17121519)     30.22699 (16112308)
 3601097.5 |     22.97158 (17111908)     21.27231 (17122005)     21.72331
(17121803)     25.03430 (17121519)     28.32518 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 549
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RAP1     ***
                                 INCLUDING SOURCE(S):     RAP1        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.93473 (17032607)     12.54560 (16083007)     10.03017
(16111708)      7.63204 (17020109)      5.31430 (17020109)
 3605847.5 |     11.15054 (16010705)     59.48576 (15122821)     14.83302
(16083007)      6.98182 (15022224)      8.61745 (16092207)
 3605597.5 |     55.50870 (15021924)     50.21711 (15052306)     25.06338
(16101307)     17.97351 (16092207)     10.51078 (17121809)
 3605347.5 |     77.52713 (15122821)     69.27574 (15092321)     68.22883
(16072606)     17.57614 (16092207)      9.73801 (17121809)
 3605097.5 |     25.87408 (16083007)     11.82794 (15022224)     22.21376
(16092207)     40.03742 (17090523)     13.01016 (15110508)
 3604847.5 |     13.91730 (17020109)     15.74572 (16092207)     12.72188
(17121809)     10.84954 (15022724)     13.68055 (15022818)
 3604597.5 |     23.34129 (16092207)     15.14916 (17121809)     11.13512
(15082707)     14.06409 (17032608)     19.87112 (17032608)
```

```
 3604347.5 |     32.79543 (15082707)     29.67012 (15022818)     38.54932
(17032608)     49.36608 (16040707)     42.00302 (16040707)
 3604097.5 |     95.30456 (16091707)     70.01825 (16040707)     28.61202
(16040707)     18.20445 (17082707)     16.63181 (17082707)
 3603847.5 |    107.88886 (15061006)     60.14613 (15062407)     34.04941
(17030408)     24.36423 (17030408)     19.54785 (15062407)
 3603597.5 |     75.19261 (15022408)     44.63445 (16011417)     37.03263
(15020117)     24.46804 (16120817)     23.03981 (15061907)
 3603347.5 |    123.23216 (16111408)     81.41219 (16040807)    117.28434
(15022408)     32.44260 (17122709)     61.61531 (15091922)
 3603097.5 |     54.65337 (16040518)    210.90537 (17040307)    117.93374
(17121101)    124.51445 (15121020)    120.65873 (15022202)
 3602847.5 |    206.57366 (15020908)     99.34418 (16010601)     87.65573
(17122124)    115.94756 (16121203)     77.34698 (16121121)
 3602597.5 |     71.96207 (16121008)     88.64729 (17021408)     75.32293
(16010601)     69.97493 (17122124)     68.83782 (16122817)
 3602347.5 |     53.69078 (16121220)     66.82122 (17120621)     66.10287
(17021408)     55.46511 (17011224)     50.38875 (16012022)
 3602097.5 |     45.66717 (15022808)     42.17173 (16121008)     57.62647
(15020908)     49.18575 (16121022)     81.24784 (15011201)
 3601847.5 |     37.92386 (16022321)     36.62880 (16121220)     42.72170
(17120621)     45.87568 (17021408)     40.86495 (16121022)
 3601597.5 |     32.58247 (15011921)     37.80809 (15022808)     28.75288
(17122806)     37.77376 (17120621)     38.17912 (17021408)
 3601347.5 |     28.60714 (17031208)     34.70154 (15022808)     24.80946
(16121220)     28.70385 (17120621)     34.36969 (15020908)
 3601097.5 |     26.57502 (17031208)     25.34309 (15022808)     27.07353
(15022808)     22.18335 (16092807)     28.95484 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 550
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RAP1     ***
                            INCLUDING SOURCE(S):     RAP1        ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                  ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                            X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.95540 (16092207)      8.74379 (17121809)      7.29503
(17121809)      5.93482 (17032908)
 3605847.5 |      9.54857 (17121809)      7.95046 (17121809)      6.52939
(17032908)      6.44536 (15082707)
 3605597.5 |      8.74660 (17121809)      7.20439 (17032908)      6.87489
(15082707)      4.91137 (15082707)
 3605347.5 |      7.95681 (17032908)      7.08856 (15082707)      4.27455
(15082707)      6.17256 (17122309)
 3605097.5 |      6.88264 (15082707)      6.37355 (17122309)      9.89146
(17122309)     11.57345 (17122309)
 3604847.5 |     13.38758 (16082307)     13.67379 (17122309)     21.53140
(16040707)     29.03279 (16040707)
 3604597.5 |     32.22438 (16040707)     37.23691 (16040707)     31.19969
(16040707)     21.24384 (16040707)
 3604347.5 |     25.05054 (16040707)     12.38331 (16040707)     10.94553
(17082707)     11.09460 (17082707)
 3604097.5 |     16.43338 (16090707)     15.65267 (16090707)     14.46195
(16090707)     13.13256 (16090707)
 3603847.5 |     17.64374 (15062407)     16.11629 (15062407)     14.85957
(15062407)     13.80454 (15062407)
 3603597.5 |     21.10495 (16052106)     15.59448 (15061907)     13.82049
(17042907)     11.98592 (17042907)
 3603347.5 |     26.92972 (15120117)     13.47557 (17082908)      7.49755
(17122709)      7.54136 (15061907)
 3603097.5 |     32.46158 (15022408)     15.32487 (15022408)     11.54075
(17122709)     10.42534 (17122709)
 3602847.5 |     95.21674 (16040807)     35.61282 (15022408)     31.35644
(15022408)     19.45084 (15022408)
 3602597.5 |     53.00197 (17062906)     35.86333 (16040807)     39.80920
(16040807)     29.33742 (15022408)
 3602347.5 |     55.82529 (16122817)     63.30584 (15031607)     30.69029
(16071324)     66.60467 (16040807)
 3602097.5 |     90.25064 (17040307)     40.75195 (15013018)     39.28424
(16121203)     34.76856 (17123017)
 3601847.5 |     69.52672 (17011224)     33.52030 (16121120)     31.16234
(16013009)     30.61397 (16121203)
 3601597.5 |     35.15499 (16010421)     31.18445 (17011224)     30.05597
(16121120)     27.04397 (16013009)
 3601347.5 |     30.03190 (17021408)     26.11112 (16010421)     25.84363
(17011224)     24.70327 (16121120)
 3601097.5 |     28.30582 (17021408)     25.68114 (16121022)     22.91138
(16010421)     23.58260 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 551
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RAP1     ***
                            INCLUDING SOURCE(S):     RAP1        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                  ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      707.07337  (15121608)
507708.67   3603932.32      181.28747  (16011421)
        506203.59   3603369.23       40.70951  (15012720)
507919.87   3604794.52      130.20954  (15021508)
        507037.89   3604916.08       73.64531  (15120308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 552
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RMP      ***
```

```
                                   INCLUDING SOURCE(S):     RMP         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     22.09249 (16020408)     23.94218 (17020308)     28.03612
(17020308)     28.17394 (17010508)     30.77304 (15021008)
 3605847.5 |     33.12289 (15120108)     26.97223 (15020808)     25.13131
(16020408)     30.01983 (17020308)     33.07140 (17020308)
 3605597.5 |     50.63030 (15120108)     46.42018 (15120108)     39.19924
(15120108)     32.42354 (15020808)     30.48162 (16012908)
 3605347.5 |     53.57840 (15120108)     58.93254 (15120108)     60.89936
(15120108)     58.04351 (15120108)     49.38022 (15120108)
 3605097.5 |     39.15814 (15120108)     49.07709 (15120108)     60.29380
(15120108)     69.47618 (15120108)     74.92913 (15120108)
 3604847.5 |     33.08931 (15012708)     32.73630 (15012708)     36.96373
(15120108)     50.39282 (15120108)     66.48724 (15120108)
 3604597.5 |     34.91302 (15012708)     38.38280 (15012708)     41.64292
(15012708)     45.14370 (15012708)     49.72867 (15012708)
 3604347.5 |     29.02402 (16020508)     33.29725 (16020508)     37.90044
(16020508)     42.64916 (16020508)     49.63118 (15012708)
 3604097.5 |     26.86687 (15013008)     29.12391 (15013008)     30.37195
(15013008)     32.41495 (15013008)     34.47734 (15013008)
 3603847.5 |     30.91763 (17121208)     33.26996 (17121208)     36.66500
(17121208)     38.82263 (17121208)     42.66200 (17121208)
 3603597.5 |     34.52412 (17121208)     37.30553 (17121208)     40.89542
(17121208)     44.65382 (17121208)     48.44358 (17121208)
 3603347.5 |     21.72311 (17121208)     23.37274 (17010904)     25.85647
(17122908)     29.62490 (17121708)     34.52682 (17121708)
 3603097.5 |     27.82470 (17121708)     30.20484 (17121708)     32.59618
(17121708)     35.41434 (17121708)     36.90472 (17121708)
 3602847.5 |     22.39400 (17121708)     23.02693 (15021021)     25.61114
(15021021)     27.27631 (15021021)     29.31287 (15122019)
 3602597.5 |     20.51786 (15122019)     22.40681 (17122621)     24.42362
(17122621)     26.65802 (17021924)     28.95711 (17021924)
 3602347.5 |     20.50601 (17021924)     21.78677 (15011806)     23.71380
(17012206)     25.51241 (16122906)     28.89912 (15011108)
 3602097.5 |     21.95501 (15092907)     22.33356 (15092907)     24.65395
(15011108)     28.00098 (15011108)     30.57994 (15011108)
 3601847.5 |     21.32492 (15011108)     23.48568 (15011108)     24.74395
(17121308)     28.85722 (16031707)     35.10084 (15092707)
 3601597.5 |     22.04101 (17092807)     23.94298 (16031707)     30.04935
(15092707)     34.18971 (15092707)     33.69640 (15092707)
 3601347.5 |     27.04204 (15092707)     30.74332 (15092707)     31.29790
(15092707)     27.99557 (15092707)     25.78547 (15032207)
 3601097.5 |     29.34915 (15092707)     27.56962 (15092707)     22.50385
(15032207)     22.49079 (15032207)     19.62525 (15032207)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 553
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RMP      ***
```

```
                                   INCLUDING SOURCE(S):     RMP         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.90793 (15120308)     37.44853 (17020108)     45.26671
(15032407)     56.24454 (17013108)     60.81523 (16120208)
 3605847.5 |     35.48062 (15021008)     36.30778 (15120308)     42.60962
(17020108)     50.90252 (15032407)     64.96444 (17013108)
 3605597.5 |     38.08330 (17020308)     39.27352 (17010508)     44.11617
(15120308)     48.74982 (17020108)     58.61527 (15032407)
 3605347.5 |     39.30205 (15020808)     39.55666 (17020308)     48.08255
(17020308)     52.35104 (15021008)     53.84541 (17020108)
 3605097.5 |     73.06891 (15120108)     62.91124 (15120108)     48.81974
(16020408)     54.10669 (17020308)     59.09514 (15021008)
 3604847.5 |     81.70941 (15120108)     93.17526 (15120108)     95.70688
(15120108)     84.12658 (15120108)     62.53913 (16020408)
 3604597.5 |     48.04107 (15120108)     69.07305 (15120108)     94.32849
(15120108)    118.31956 (15120108)    129.97432 (15120108)
 3604347.5 |     58.57401 (15012708)     66.71117 (15012708)     69.53732
(15012708)     68.82051 (15012708)    103.36156 (15120108)
 3604097.5 |     41.75799 (16020508)     54.96651 (16020508)     65.45040
(16020508)     72.40373 (16020508)     86.71488 (15012708)
 3603847.5 |     48.31155 (15013008)     52.87544 (15013008)     56.18820
(15013008)     64.19166 (15013008)     72.34978 (15013008)
 3603597.5 |     53.85212 (17121208)     59.08647 (17121208)     65.76904
(17121208)     74.28481 (17121208)     87.43246 (17121208)
 3603347.5 |     40.19623 (17121708)     46.93615 (17121708)     54.57928
(17121708)     64.52669 (17121708)     75.03059 (17121708)
 3603097.5 |     37.63743 (17121708)     38.35024 (15021021)     42.66398
(15021021)     49.48592 (15122019)     58.72974 (17122621)
 3602847.5 |     32.46513 (17122621)     36.95785 (16031807)     41.27390
(17021924)     48.74719 (17012206)     60.43072 (15011108)
 3602597.5 |     32.10478 (17012206)     36.58954 (16122906)     44.15394
(15011108)     53.28464 (15011108)     67.87462 (16031707)
 3602347.5 |     35.43934 (15011108)     39.64493 (15011108)     47.84298
(16031707)     56.59427 (16031707)     54.83344 (16031707)
 3602097.5 |     36.23814 (16031707)     42.25542 (16031707)     45.25272
(15092707)     43.83756 (15032207)     41.75747 (15032207)
 3601847.5 |     38.86275 (15092707)     36.30478 (15092707)     36.09098
(15032207)     32.59703 (15032207)     31.10214 (17011023)
 3601597.5 |     29.78230 (15032207)     28.92442 (15032207)     24.50156
(15032207)     26.76018 (17011023)     29.60185 (16032607)
 3601347.5 |     24.09790 (15032207)     21.51968 (17122924)     23.06266
(17020101)     25.52947 (16032607)     29.02361 (15010508)
 3601097.5 |     19.38438 (17122924)     20.51663 (17020101)     22.82244
(16032607)     25.71274 (15010508)     24.11786 (15012007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 554
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RMP      ***
```

```
                                    INCLUDING SOURCE(S):     RMP         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     54.76875 (16120708)     42.35666 (15021508)     91.48116
(15021508)     72.95046 (15021508)     87.17936 (16012808)
 3605847.5 |     65.53358 (16120208)     62.53111 (16120708)     65.43984
(15021508)     96.61066 (15021508)     74.24688 (17021508)
 3605597.5 |     76.26535 (17013108)     70.09084 (16120208)     68.01631
(16120708)    104.34589 (15021508)     86.70541 (16100607)
 3605347.5 |     69.56538 (15032407)     91.38201 (17013108)     81.72053
(16120708)     68.43405 (16120708)     86.88477 (15021508)
 3605097.5 |     65.64440 (15120308)     84.36978 (15032407)    115.50687
(17013108)    107.03303 (16120708)     96.30989 (15021508)
 3604847.5 |     75.06204 (17020308)     86.06713 (15021008)    105.38201
(15032407)    163.99439 (17013108)    182.31721 (16120708)
 3604597.5 |    118.40693 (15120108)     85.34984 (16020408)    109.12183
(15021008)    140.49841 (17020108)    251.47992 (17013108)
 3604347.5 |    149.29687 (15120108)    186.47146 (15120108)    181.14795
(15120108)    146.75392 (17020308)    183.56378 (15120308)
 3604097.5 |    105.19703 (15012708)    123.92099 (15012708)    175.81296
(15120108)    281.83565 (15120108)    318.92284 (15120108)
 3603847.5 |     82.16143 (15013008)     96.40148 (15013008)    121.35155
(16020508)    177.09467 (16020508)    269.50192 (15012708)
 3603597.5 |     99.26815 (17121208)    114.47475 (17121208)    138.24684
(17121208)    166.25794 (17121208)    205.29398 (17121208)
 3603347.5 |     84.78666 (17121708)     85.58403 (17121708)    101.27129
(15021021)    136.05962 (17021924)    169.68896 (15011108)
 3603097.5 |     69.25840 (17021924)     79.67923 (17012206)    105.32364
(15011108)    140.90305 (16031707)    157.61796 (16031707)
 3602847.5 |     76.24012 (15011108)     91.65752 (16031707)    105.58779
(16031707)    100.94451 (15032207)     93.01772 (16032607)
 3602597.5 |     73.23037 (16031707)     74.17012 (15032207)     69.45873
(15032207)     67.89782 (16032607)     74.42034 (15012007)
 3602347.5 |     55.65469 (15032207)     46.39144 (17122924)     53.33319
(16032607)     58.12518 (15010508)     70.00521 (16052806)
 3602097.5 |     36.68096 (15010718)     42.37390 (16032607)     47.19602
(15010508)     53.86140 (16052806)     57.26588 (15123108)
 3601847.5 |     34.78146 (16032607)     39.77005 (15010508)     41.28421
(16052806)     47.26827 (15123108)     49.28837 (15011308)
 3601597.5 |     33.75483 (15010508)     32.82856 (15021520)     39.38502
(16052806)     39.68203 (16021102)     55.98985 (17020408)
 3601347.5 |     27.76523 (15021520)     33.54758 (16052806)     35.37999
(15123108)     34.81154 (15123001)     62.13623 (17020408)
 3601097.5 |     28.33194 (16052806)     30.23609 (16052806)     30.63477
(16021102)     42.26164 (17020408)     60.98860 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 555
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RMP      ***
```

```
                                    INCLUDING SOURCE(S):     RMP         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     33.45515 (16120206)     53.68935 (17022408)     17.95172
(15123009)     16.55259 (17032607)     40.10960 (17032607)
 3605847.5 |     61.55319 (15010104)     80.60034 (16120908)     40.59883
(17022408)     30.14600 (16091507)     86.09119 (17032607)
 3605597.5 |     83.03670 (17021508)    113.88324 (16120908)     73.10483
(15121702)     96.03413 (15010907)     88.09092 (17032607)
 3605347.5 |     92.48148 (16012808)    120.94154 (16120908)     58.97557
(17022408)     40.03184 (16091507)     99.90380 (17011124)
 3605097.5 |     96.08485 (16012808)    115.16747 (16120908)     35.55051
(17022408)     43.65689 (17032607)     33.22706 (17032607)
 3604847.5 |    152.09047 (15021508)    155.16600 (16012808)     87.88551
(17022408)     59.46565 (17032607)     20.98705 (17032607)
 3604597.5 |    214.21939 (16120708)    136.65335 (17021508)     62.37448
(15123009)     87.78600 (17032607)     26.66185 (16111708)
 3604347.5 |    305.08743 (17013108)    276.58343 (16021523)    207.97239
(15022002)    141.83405 (17032607)     55.68843 (17020109)
 3604097.5 |    292.26545 (15021008)    450.51054 (17013108)    613.67514
(16120908)    569.49139 (16121520)    286.45017 (16123006)
 3603847.5 |    394.97709 (15012708)    677.54733 (15120108)    911.32898
(17022107)   1149.99807 (16072606)    277.65634 (15083124)
 3603597.5 |    326.62029 (17121708)    484.38067 (17121708)   1258.68446
(15032207)    717.88568 (16040807)    108.80238 (15020117)
 3603347.5 |    288.47438 (16031707)    305.34420 (15032207)    570.69869
(15032307)    622.68749 (15121508)    128.95651 (16013009)
 3603097.5 |    145.27177 (16032607)    206.45892 (16052806)    243.83760
(15011408)    337.71720 (17062106)    354.50725 (17021408)
 3602847.5 |    116.91567 (16052806)    160.23882 (17012608)    187.86277
(15011408)    186.62776 (17062106)    219.74612 (15121508)
 3602597.5 |     96.95035 (15123108)    137.60955 (15032307)    150.73356
(15120608)    146.66541 (17010308)    133.35577 (17010608)
 3602347.5 |     78.86912 (15011308)     93.78517 (15032307)    123.05143
(15120608)    116.78168 (17010308)    113.32898 (17010608)
 3602097.5 |     79.87793 (15032307)     64.45235 (17021124)    101.99605
(15120608)     94.81324 (17010308)     84.17961 (17010608)
 3601847.5 |     78.67494 (17020408)     53.37406 (15021703)     85.99879
(15120608)     78.43240 (17010308)     60.31939 (15020520)
 3601597.5 |     67.70641 (17020408)     49.89583 (16012208)     73.35879
(15120608)     66.02926 (17010308)     54.37570 (17062106)
 3601347.5 |     53.76807 (17020408)     45.57588 (16012208)     63.44957
(15120608)     56.35244 (17010308)     48.64386 (17062106)
 3601097.5 |     39.84977 (17020408)     42.32379 (15011408)     55.60652
(15120608)     48.60788 (17010308)     42.73863 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 556
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RMP      ***
```

```
                                   INCLUDING SOURCE(S):     RMP         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     19.74193 (17032607)     13.17219 (16083007)      9.63975
(16111708)     11.22485 (17020109)      9.45697 (17020109)
 3605847.5 |     14.19447 (17032607)     68.36119 (15122821)     17.44606
(16083007)     11.39403 (17020109)      8.76153 (17121809)
 3605597.5 |     62.22341 (15021924)     55.10529 (15122821)     29.13201
(15092321)     19.70244 (17020109)     12.89691 (17121809)
 3605347.5 |     83.08062 (15122821)     65.89753 (15092321)     69.75004
(17022521)     18.63261 (16092207)     14.66955 (17121809)
 3605097.5 |     25.11766 (16083007)     15.93751 (17020109)     21.02842
(16092207)     39.86063 (17040402)     19.42306 (17012609)
 3604847.5 |     18.46659 (17020109)     15.33945 (17121809)     19.03378
(17121809)     12.96572 (17032908)     18.38918 (15082707)
 3604597.5 |     19.82945 (17020109)     22.70132 (17121809)     15.11966
(17032908)     11.58233 (17100708)     14.85724 (17122309)
 3604347.5 |     32.85808 (17012609)     29.69171 (15082707)     18.82300
(17032608)     25.51733 (16040707)     40.28745 (16040707)
 3604097.5 |     56.83186 (15022124)     44.47585 (16040707)     59.58261
(16040707)     45.64190 (16040707)     27.04998 (16040707)
 3603847.5 |    151.26859 (16040707)     55.23305 (17032307)     45.05194
(17082707)     21.08184 (16090707)     18.52208 (16090707)
 3603597.5 |     61.46391 (15061907)     42.19056 (16052106)     48.96668
(15062407)     30.94922 (17030408)     20.88072 (16052106)
 3603347.5 |    108.17113 (16040807)     58.57687 (15022408)    112.03439
(15091922)     41.34226 (17122709)     71.52270 (17050123)
 3603097.5 |     75.39774 (16013009)    251.65463 (15031607)    174.94180
(16012023)    137.27195 (17022805)    126.62164 (15012119)
 3602847.5 |    276.38980 (17021408)    208.79270 (17040307)    117.52350
(15031607)    152.51311 (17011308)    109.46912 (16121122)
 3602597.5 |    125.34337 (16010602)    117.43760 (17021408)    152.22489
(17040307)    102.47432 (17040307)     98.56656 (15031607)
 3602347.5 |    120.49572 (15121508)    120.85715 (17021408)     81.08233
(17022803)    116.36953 (17040307)     88.02197 (17040307)
 3602097.5 |     87.10140 (15121508)     77.93377 (15121508)     99.16161
(17021408)     65.32242 (15011201)    129.14038 (17040307)
 3601847.5 |     66.43329 (17010608)     79.42360 (15121508)     67.68953
(17021408)     74.63336 (17021408)     55.88431 (15011201)
 3601597.5 |     62.75574 (17010608)     64.88716 (15121508)     56.01794
(15121508)     68.09514 (17021408)     54.39249 (17021408)
 3601347.5 |     54.03398 (17010608)     46.02027 (15121508)     57.18799
(15121508)     45.70113 (16010602)     60.81557 (17021408)
 3601097.5 |     43.87423 (17010608)     41.86477 (17010608)     49.88658
(15121508)     42.76574 (15121508)     44.98238 (17021408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 557
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RMP      ***
```

```
                                   INCLUDING SOURCE(S):     RMP         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.89024 (17121809)     11.39121 (17121809)     11.06895
(17121809)      8.85630 (17121809)
 3605847.5 |     12.08342 (17121809)     12.05823 (17121809)      9.40332
(17121809)      8.29338 (17032908)
 3605597.5 |     13.24171 (17121809)      9.92208 (17121809)      8.88877
(17032908)      7.39181 (17032908)
 3605347.5 |     10.66903 (17121809)      9.46988 (17032908)      7.30143
(17032908)      7.59613 (17100708)
 3605097.5 |     10.11345 (17032908)      8.27096 (17100708)      8.59572
(17122309)     11.33498 (17122309)
 3604847.5 |     12.37711 (16082307)     12.82268 (17122309)     14.46971
(17122309)     20.76791 (16040707)
 3604597.5 |     17.34322 (16040707)     28.30231 (16040707)     33.79733
(16040707)     32.78120 (16040707)
 3604347.5 |     41.74734 (16040707)     33.92683 (16040707)     23.76175
(16040707)     15.13585 (16040707)
 3604097.5 |     14.41926 (17082707)     14.12906 (17082707)     13.33606
(17082707)     12.35589 (17082707)
 3603847.5 |     16.18402 (16090707)     14.15007 (16090707)     13.37975
(17030408)     12.72256 (17030408)
 3603597.5 |     18.31585 (15062407)     16.92408 (15062407)     15.76120
(15062407)     14.76428 (15062407)
 3603347.5 |     29.52546 (17050123)     16.43668 (15061907)     12.19019
(15061907)     10.50441 (15061907)
 3603097.5 |     35.87835 (17122709)     16.02945 (17122709)     13.75868
(17122709)     11.46712 (17122709)
 3602847.5 |     95.06615 (15022202)     30.79204 (15022408)     18.69452
(15022408)     14.09274 (17122709)
 3602597.5 |     90.26699 (16040807)     44.55862 (16040807)     33.53112
(15022408)     29.35071 (15022408)
 3602347.5 |     82.47739 (15031607)     71.67081 (17011308)     40.03043
(16040807)     76.45826 (16040807)
 3602097.5 |     84.89031 (17040307)     52.09031 (15031607)     57.57877
(15031607)     59.11121 (16040807)
 3601847.5 |    113.08000 (17040307)     67.46385 (17040307)     41.51761
(17010220)     43.78557 (15031607)
 3601597.5 |     49.16198 (15011201)     64.89881 (17040307)     62.10567
(17040307)     36.95649 (17040307)
 3601347.5 |     40.43967 (17022803)     39.86790 (17040307)     55.41240
(17040307)     53.13859 (17040307)
 3601097.5 |     50.89820 (17021408)     34.90972 (17022803)     35.28817
(17040307)     48.72245 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 558
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  RMP      ***
```

```
                                  INCLUDING SOURCE(S):     RMP         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      632.78694  (15032407)
507708.67   3603932.32      370.58556  (15120108)
        506203.59   3603369.23       67.58778  (17121708)
507919.87   3604794.52      153.09577  (15021508)
        507037.89   3604916.08       96.93338  (15032407)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 559
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ROAD     ***
                                  INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     14.17943 (15010408)     14.74516 (15011008)     17.44002
(16011506)     20.29319 (16012908)     20.84718 (17020308)
 3605847.5 |     18.74001 (15040607)     17.68292 (15040607)     16.81713
(15010408)     18.68419 (15011008)     22.81866 (16012908)
 3605597.5 |     17.17015 (15040607)     20.17329 (15040607)     22.61786
(15040607)     22.43291 (15040607)     22.19531 (15010408)
 3605347.5 |     16.70738 (17012508)     16.07642 (15012821)     17.68449
(15040607)     21.12036 (15040607)     26.00328 (15040607)
 3605097.5 |     17.71843 (15040307)     17.98856 (16122808)     19.24927
(17012508)     19.60870 (17012508)     20.19821 (15011608)
 3604847.5 |     21.18380 (15040307)     22.69172 (15040307)     22.57279
(15040307)     21.72438 (15040307)     24.27512 (16122808)
 3604597.5 |     17.99460 (17092707)     19.32032 (17092707)     20.40552
(17092707)     21.80793 (16020401)     25.46274 (15040307)
 3604347.5 |     19.80750 (16040507)     20.46047 (16040507)     21.26807
(16040507)     22.08618 (16040507)     23.73012 (16011421)
 3604097.5 |     16.13249 (17121406)     18.03378 (17121406)     19.33735
(17011708)     21.35513 (17011708)     23.93434 (17011708)
 3603847.5 |     19.55706 (17021608)     20.47496 (17021608)     21.96538
(17021608)     22.42637 (17021608)     24.90924 (17122608)
 3603597.5 |     15.30744 (15021102)     16.49131 (17022301)     18.58711
(17022301)     20.30938 (17022301)     21.80279 (15011603)
 3603347.5 |     15.63424 (17122908)     16.90388 (16010308)     18.41294
(16010308)     19.41196 (15120303)     21.27253 (17011719)
 3603097.5 |     15.10720 (15012720)     16.18943 (15012720)     17.48878
(16021602)     19.38998 (16021602)     20.61527 (16012803)
 3602847.5 |     14.72987 (16012803)     15.88750 (16011702)     17.71239
(17120906)     18.87298 (15011506)     21.97118 (15092907)
 3602597.5 |     14.72461 (15011506)     18.68365 (15092907)     22.53109
(15092907)     24.08736 (15092907)     22.99925 (15092907)
 3602347.5 |     21.05689 (15092907)     20.89152 (15092907)     18.64683
(15092907)     20.09669 (17092807)     25.41010 (17092807)
 3602097.5 |     15.05711 (15092907)     19.04297 (17092807)     23.08624
(17092807)     23.45906 (17092807)     30.29869 (15092707)
 3601847.5 |     21.23047 (17092807)     21.49352 (17092807)     25.78508
(15092707)     29.83679 (15092707)     28.31576 (15092707)
 3601597.5 |     22.61949 (15092707)     27.05701 (15092707)     26.85300
(15092707)     21.87286 (15092707)     14.13351 (15092707)
 3601347.5 |     25.60664 (15092707)     22.38442 (15092707)     16.06463
(15092707)     10.94015 (17122302)     11.56325 (15022607)
 3601097.5 |     17.52386 (15092707)     11.27242 (15092707)      9.91567
(17122105)     10.65244 (15012201)     11.42419 (17012504)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 560
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ROAD     ***
                                  INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.51206 (17040507)     29.50920 (17040507)     28.51081
(17020108)     27.63770 (16121408)     44.47639 (16120208)
 3605847.5 |     25.93586 (17020308)     28.82535 (17040507)     33.99193
(17040507)     31.38573 (17020108)     31.66353 (16121408)
 3605597.5 |     24.24732 (15011008)     29.64425 (16012908)     32.56889
(17020308)     37.84831 (17040507)     35.26230 (17020108)
 3605347.5 |     26.33134 (15040607)     27.40003 (15010408)     31.47173
(16011506)     38.12243 (17020308)     40.25054 (17010508)
 3605097.5 |     23.28841 (15040607)     30.19301 (15040607)     31.56152
(15121608)     34.97594 (16020408)     41.27334 (16012908)
```

```
 3604847.5 |     22.60544 (17012508)     25.77067 (17012508)     29.58585
(15011608)     32.96379 (15040607)     39.91196 (15121608)
 3604597.5 |     25.09620 (15040307)     26.61280 (16011108)     28.92769
(16122808)     32.25536 (16122808)     38.65257 (17012508)
 3604347.5 |     27.06087 (16011421)     30.09517 (16011421)     31.70482
(17020524)     30.45102 (17020524)     35.79234 (16020401)
 3604097.5 |     27.08572 (17011708)     32.58174 (17011708)     35.71488
(17011708)     34.54005 (17011708)     36.64311 (17011708)
 3603847.5 |     28.10877 (17122608)     30.23695 (17122608)     31.15339
(17122608)     34.68748 (17122608)     37.40157 (17122608)
 3603597.5 |     25.12365 (17122908)     27.35308 (17122908)     29.54367
(17122908)     32.99268 (16010308)     39.22296 (16010308)
 3603347.5 |     23.18196 (15012720)     25.48965 (16021602)     28.02382
(16021602)     32.56281 (17021301)     37.75297 (17120906)
 3603097.5 |     22.29307 (16021621)     25.61995 (17120906)     27.41024
(17122121)     32.30826 (16021406)     37.51877 (17122824)
 3602847.5 |     25.78922 (15092907)     27.60556 (15092907)     27.25297
(17010704)     32.78212 (17092807)     41.89837 (15092707)
 3602597.5 |     21.91925 (17010708)     28.80417 (17092807)     32.25281
(15092707)     42.75948 (15092707)     40.99411 (15092707)
 3602347.5 |     26.69549 (15092707)     36.23600 (15092707)     37.37294
(15092707)     29.05661 (15092707)     22.05066 (15022607)
 3602097.5 |     33.36159 (15092707)     28.90184 (15092707)     19.32799
(15092707)     18.49444 (15012201)     20.34747 (17021905)
 3601847.5 |     20.87869 (15092707)     14.98325 (16011206)     16.25284
(15121422)     17.53316 (17021905)     18.79814 (17121505)
 3601597.5 |     13.02736 (15022607)     14.10102 (15121422)     15.16064
(16121224)     16.39590 (17121505)     17.45651 (15120324)
 3601347.5 |     12.54003 (17012504)     13.37284 (16121224)     14.28773
(17121505)     15.15913 (15120324)     15.96938 (17010801)
 3601097.5 |     12.10806 (16121224)     12.76890 (17121505)     13.58100
(15013101)     14.45800 (17010801)     15.23770 (16122704)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 561
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ROAD     ***
                                INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     51.28726 (16120208)     38.50092 (16010908)     63.79903
(17021308)     72.83232 (15021508)     76.40028 (17021508)
 3605847.5 |     49.90029 (16120208)     55.07565 (16120208)     49.74710
(16010908)     89.63369 (15021508)     71.06353 (17010724)
 3605597.5 |     36.81921 (17020202)     55.64420 (16120208)     54.79906
(16120208)     82.02734 (15120107)     91.24798 (15021508)
 3605347.5 |     43.31976 (15121803)     44.32058 (17020108)     60.27564
(16120208)     61.39789 (16120708)     71.14393 (15021508)
 3605097.5 |     49.03139 (17020308)     53.55666 (16011607)     64.54005
(17020108)     80.45788 (16120208)     81.33156 (16010908)
 3604847.5 |     46.16051 (16020408)     59.38913 (16012908)     69.14782
(17010508)     90.60580 (17020108)    118.65879 (16120208)
 3604597.5 |     44.28768 (17012508)     54.06592 (15121608)     66.38748
(16020408)     91.21900 (17020308)    132.93921 (17020108)
 3604347.5 |     41.27186 (16122808)     48.42222 (16122808)     60.22431
(17012508)     79.76184 (15121608)    115.00987 (17020308)
 3604097.5 |     42.32936 (17011708)     51.07050 (17011708)     61.68023
(17011708)     68.12668 (17011708)     87.56143 (17011708)
 3603847.5 |     38.91998 (17122608)     44.76791 (17122608)     51.73370
(17122908)     67.31201 (17122908)     87.88268 (17121708)
 3603597.5 |     42.39038 (15012720)     47.05359 (16021602)     57.38362
(16021621)     65.56560 (16011901)     91.81335 (17121308)
 3603347.5 |     43.13240 (16021406)     47.03582 (17121720)     60.10051
(17121308)     73.25278 (16021107)     60.72035 (16021420)
 3603097.5 |     43.79502 (17121308)     50.37861 (15092707)     49.83654
(15092707)     45.39317 (16021922)     52.19606 (17121505)
 3602847.5 |     49.84129 (15092707)     38.74195 (15092707)     36.62241
(15121422)     40.55741 (17121505)     44.33526 (17011608)
 3602597.5 |     26.19828 (16011206)     29.87677 (17012504)     33.62004
(17121505)     35.13068 (17010801)     39.16539 (17120918)
 3602347.5 |     24.28894 (17021905)     26.75063 (17121505)     29.23152
(17010801)     31.76338 (17012722)     36.94777 (16011119)
 3602097.5 |     21.68145 (17121505)     23.85092 (16011601)     25.50027
(16122704)     27.90913 (17010503)     32.70786 (15021805)
 3601847.5 |     20.14414 (15120324)     21.86370 (16122704)     23.11343
(17011624)     26.73647 (16011119)     42.67603 (17020408)
 3601597.5 |     18.33442 (17022221)     19.88247 (17012722)     24.52917
(17040807)     26.16734 (15041007)     50.07420 (17020408)
 3601347.5 |     17.04523 (17012722)     20.06456 (17040807)     20.97346
(16011119)     29.37606 (17020408)     48.36977 (17020408)
 3601097.5 |     16.09348 (17011624)     22.17936 (17040807)     22.76272
(15041007)     38.69404 (17020408)     40.78382 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 562
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ROAD     ***
                                INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.19113 (16120206)     53.59835 (17022408)     20.78450
(16112208)    16.89302 (17032607)     40.96088 (17032607)
 3605847.5 |     71.01318 (17021508)     73.12708 (16121101)     42.51998
(16060301)    38.70931 (16091507)     62.10298 (17032607)
 3605597.5 |     91.14122 (17021508)     66.88904 (16121101)     65.70234
(15122121)    78.82060 (16010501)     82.22684 (17011124)
 3605347.5 |     70.62635 (17021508)     66.11986 (16021807)     58.15971
(17022408)    49.50988 (16091507)     95.90766 (16121520)
 3605097.5 |     97.60276 (15021508)     98.42256 (15010104)     37.72198
(17022408)    59.91212 (17032607)     19.61162 (16083007)
 3604847.5 |    116.62834 (16021523)    126.28042 (17021508)     69.07374
(17022408)    76.83235 (17032607)     25.98603 (16111708)
 3604597.5 |    195.79989 (16120708)    126.19042 (15021508)     61.42832
(15092607)    94.24036 (17032607)     20.78226 (16092207)
 3604347.5 |    173.26144 (17020108)    265.92538 (16010908)    129.74447
(15081703)    91.28121 (17032607)     32.07869 (15022724)
 3604097.5 |    144.74027 (15121608)    290.58261 (17020108)    716.89302
(15121006)   573.20420 (15011021)    125.48183 (16020303)
 3603847.5 |    132.12842 (16021119)    221.26732 (17121308)    626.53307
(16011119)   211.52444 (15012220)     88.26012 (17020924)
 3603597.5 |    115.13290 (16021420)    137.63857 (15011602)    251.35070
(15011724)   372.39666 (15021819)     56.20462 (16040807)
 3603347.5 |     79.06084 (16020219)    104.75604 (17022103)    165.74822
(17121323)   260.49471 (17011319)     76.16743 (15021708)
 3603097.5 |     62.84454 (17122820)     87.81787 (17020408)    109.44330
(15011007)   165.00872 (16121418)    164.27395 (17120621)
 3602847.5 |     56.87550 (17022103)     86.49926 (17020408)     77.80886
(15010823)    93.96899 (15121602)     92.65831 (15011507)
 3602597.5 |     48.87579 (16021904)     61.90064 (17020408)     61.69868
(16012923)    71.77220 (15021621)     70.18882 (16022321)
 3602347.5 |     63.09500 (17020408)     44.82712 (17020905)     49.08584
(17010402)    57.66534 (15021621)     56.25106 (15011921)
 3602097.5 |     61.39791 (17020408)     37.38935 (17122619)     39.89195
(17121803)    47.53605 (16022219)     46.88582 (15020321)
 3601847.5 |     49.05938 (17020408)     32.07000 (16010118)     33.96851
(17121803)    40.15594 (16022219)     39.60834 (16121418)
 3601597.5 |     33.89136 (17020408)     28.57016 (16010118)     28.98186
(17121803)    34.39244 (16022219)     34.68119 (17121306)
 3601347.5 |     26.52145 (17111908)     25.14419 (17122005)     25.63803
(16022921)    30.15303 (17122205)     30.93411 (16112308)
 3601097.5 |     21.79010 (17122619)     22.67680 (16122020)     23.23051
(15120902)    26.83726 (17122205)     30.36841 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 563
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ROAD     ***
                                  INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
              L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
              L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
              L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

 Y-COORD  |                                                   X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      6.30958 (15042507)     19.08856 (16111708)      8.42145
(16111708)     7.63362 (17020109)     7.60574 (16092207)
 3605847.5 |     10.81739 (16083007)     58.66149 (15052306)     11.71158
(17091007)     7.28698 (16092207)     9.89325 (17121809)
 3605597.5 |     59.40806 (15122821)     53.34853 (15092321)     35.50971
(16100201)    19.26681 (17121809)    10.64775 (17121809)
 3605347.5 |     70.05010 (15052306)     65.65864 (16101307)     60.18214
(16123006)    13.10559 (17012509)     8.59386 (17032908)
 3605097.5 |     21.31073 (16083007)     12.10875 (16081907)     15.01362
(17012509)    29.86558 (17032121)    11.80237 (15110508)
 3604847.5 |     15.39254 (16092207)     14.56904 (17121809)     10.01391
(17032908)     7.46922 (17122309)    14.59366 (17032608)
 3604597.5 |     16.45628 (17121809)     10.01311 (17032908)     20.96575
(17032608)    27.83371 (16040707)    31.00227 (16040707)
 3604347.5 |     33.68740 (16040707)     39.59392 (16040707)     29.32409
(16040707)    24.50791 (16040707)    20.85269 (16040707)
 3604097.5 |     34.53666 (16090707)     29.41356 (16090707)     18.39320
(16040707)    14.34952 (17030408)    12.60984 (17030408)
 3603847.5 |     48.95038 (15111922)     26.81646 (15062407)     17.23343
(15061907)    17.39837 (15061907)    15.98661 (17042907)
 3603597.5 |     47.81273 (16111408)     34.27233 (16040807)     23.33699
(15022408)    15.75486 (17062607)    13.34836 (17082908)
 3603347.5 |     66.57385 (16111408)     45.57100 (16040807)     71.83283
(16040807)    28.70384 (16040807)    45.60499 (15022408)
 3603097.5 |     44.77781 (15021708)    122.11362 (16011523)     78.42615
(16120121)    81.24011 (16040807)    71.03912 (16040807)
 3602847.5 |    154.28085 (17021408)     81.43231 (16010601)     66.94826
(17122124)    77.02467 (16020318)    57.12159 (16121121)
 3602597.5 |     68.81296 (16121008)     77.16610 (17021408)     64.52865
(16010601)    57.33074 (16012022)    56.80277 (16122817)
 3602347.5 |     53.36561 (16121220)     63.58997 (17120621)     59.62155
(17021408)    49.64441 (16010601)    45.59728 (16012022)
 3602097.5 |     46.76509 (15022808)     42.14402 (16121008)     54.76622
(15020908)    46.26117 (15021604)    65.00463 (15011201)
 3601847.5 |     39.01965 (15021419)     37.04694 (16121220)     42.40265
(17120621)    43.89904 (17021408)    39.61386 (15021604)
 3601597.5 |     33.97161 (17011319)     37.80638 (15022808)     29.69398
(17122806)    37.82457 (17120621)    37.35717 (17021408)
 3601347.5 |     29.82862 (16122021)     37.45733 (15022808)     25.41782
(16121220)    28.62044 (17120621)    34.48635 (15020908)
 3601097.5 |     29.14565 (17031208)     27.70472 (15022808)     26.54536
(15022808)    23.45656 (16092807)    29.80881 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 564
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ROAD     ***
                                  INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
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                 L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                 L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                 L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      9.34369 (17121809)      8.98173 (17121809)      6.29390
(17032908)      6.52726 (17032908)
 3605847.5 |      9.74731 (17121809)      6.98618 (17032908)      6.84217
(15082707)      5.95426 (15082707)
 3605597.5 |      7.76047 (17032908)      7.32568 (15082707)      5.63517
(15082707)      3.38054 (17122309)
 3605347.5 |      7.53758 (15082707)      5.05363 (15082707)      6.43889
(17122309)      9.30345 (17122309)
 3605097.5 |      6.91850 (17122309)     10.50521 (17122309)     11.90027
(17122309)     18.53114 (16040707)
 3604847.5 |     17.38119 (16040707)     25.29941 (16040707)     27.17315
(16040707)     25.11834 (16040707)
 3604597.5 |     27.54213 (16040707)     23.31471 (16040707)     18.36433
(16040707)     12.70870 (16040707)
 3604347.5 |     14.71950 (16040707)     11.49794 (17082707)     11.07751
(17082707)     10.66060 (16090707)
 3604097.5 |     11.76357 (17030408)     11.29840 (17030408)     10.96768
(17030408)     10.67663 (17030408)
 3603847.5 |     13.82682 (17042907)     12.79358 (15062407)     12.51236
(15062407)     12.19705 (15062407)
 3603597.5 |     13.19225 (15061907)     10.54264 (15061907)      9.49159
(15061907)      8.54677 (15061907)
 3603347.5 |     24.58925 (17122709)     12.05885 (17082908)      9.27319
(17122709)      7.39704 (17122709)
 3603097.5 |     27.53202 (15022408)     22.79047 (15022408)     14.68730
(15022408)     10.56269 (17122709)
 3602847.5 |     74.04662 (16040807)     32.39712 (16040807)     26.84165
(15022408)     22.98423 (15022408)
 3602597.5 |     45.17419 (15011223)     28.16868 (16040807)     33.87130
(16040807)     29.85479 (16040807)
 3602347.5 |     52.63222 (15013018)     48.87965 (16010101)     28.90843
(16071324)     44.99270 (16040807)
 3602097.5 |     67.74518 (17040307)     36.38257 (15013018)     36.11850
(16121203)     32.60469 (17022804)
 3601847.5 |     55.85691 (15011201)     31.77989 (17011021)     29.51188
(17122124)     29.30086 (16122817)
 3601597.5 |     33.30525 (15021604)     30.51087 (17011224)     28.97860
(16121120)     25.08179 (17122124)
 3601347.5 |     29.76928 (17021408)     25.42931 (16010421)     25.86510
(17011224)     24.37580 (16121120)
 3601097.5 |     27.84532 (17021408)     25.83631 (17021822)     22.85989
(16010421)     23.98704 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 565
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ROAD     ***
                                     INCLUDING SOURCE(S):     L0001431    , L0001432
, L0001433    , L0001434    , L0001435    ,
                 L0001436    , L0001437    , L0001438    , L0001439    , L0001440
, L0001441    , L0001442    , L0001443    ,
                 L0001444    , L0001445    , L0001446    , L0001447    , L0001448
, L0001449    , L0001450    , L0001451    ,
                 L0001452    , L0001453    , L0001454    , L0001455    , L0001456
, L0001457    , L0001458    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      381.42691  (17020308)
507708.67   3603932.32      102.53766  (17122908)
        506203.59   3603369.23       33.92837  (17021301)
507919.87   3604794.52      128.26981  (15021508)
        507037.89   3604916.08       64.18519  (17010508)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 566
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC1      ***
                                     INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.94727 (15011008)     15.21889 (16120805)     17.80456
(16012908)     18.75109 (17020308)     22.25336 (17040507)
 3605847.5 |     13.95327 (15040607)     14.57346 (16020408)     15.57481
(15011008)     19.11280 (16012908)     21.69195 (17020308)
 3605597.5 |     16.77436 (15040607)     17.32588 (15040607)     16.92580
(15040607)     17.95676 (16020408)     19.66407 (15011008)
 3605347.5 |     15.28341 (15040607)     17.40802 (15040607)     18.74209
(15040607)     19.38794 (15040607)     20.13903 (15121608)
 3605097.5 |     15.12010 (17012508)     16.59526 (17012508)     17.27309
(15011608)     18.38631 (15011608)     20.78119 (15040607)
 3604847.5 |     19.24206 (15040307)     17.84187 (16021108)     17.55345
(16122808)     19.07982 (17012508)     22.10941 (17012508)
```

```
 3604597.5 |     17.96733 (15040307)     20.66384 (15040307)     22.97586
(15040307)     24.71704 (15040307)     25.13636 (15040307)
 3604347.5 |     15.47715 (16040507)     17.28119 (17092707)     19.34911
(17092707)     21.29228 (17092707)     22.88707 (17092707)
 3604097.5 |     18.12394 (16040507)     19.91508 (16040507)     21.13508
(16040507)     22.51592 (16040507)     23.90546 (16040507)
 3603847.5 |     15.60903 (15010808)     16.97071 (15010808)     18.85404
(15010808)     20.32652 (15010808)     22.64155 (15010808)
 3603597.5 |     19.57900 (17021608)     20.46381 (17021608)     21.87693
(17021608)     23.04197 (17021608)     23.93120 (17021608)
 3603347.5 |     14.24979 (16012807)     15.59942 (16012807)     17.07319
(16012807)     18.69028 (15011603)     20.88480 (17122908)
 3603097.5 |     14.38127 (16010308)     15.57585 (16010308)     16.69651
(17021402)     18.60503 (17021402)     20.35038 (17011719)
 3602847.5 |     14.05060 (15012720)     15.14768 (16021602)     16.70092
(16021602)     17.46303 (16021602)     19.54117 (16012803)
 3602597.5 |     13.59519 (16012803)     14.77213 (16011702)     16.30237
(17120906)     17.74201 (15011506)     21.02952 (15092907)
 3602347.5 |     13.60536 (15092907)     17.51759 (15092907)     20.95031
(15092907)     22.78771 (15092907)     22.31676 (15092907)
 3602097.5 |     19.55279 (15092907)     19.63279 (15092907)     17.70331
(15092907)     18.35706 (17092807)     23.95626 (17092807)
 3601847.5 |     14.07253 (15092907)     17.29490 (17092807)     21.22743
(17092807)     22.40576 (17092807)     26.95103 (15092707)
 3601597.5 |     19.34303 (17092807)     20.11875 (17092807)     22.86285
(15092707)     27.15938 (15092707)     26.55292 (15092707)
 3601347.5 |     20.00577 (15092707)     24.09851 (15092707)     24.83481
(15092707)     21.14946 (15092707)     14.39347 (15092707)
 3601097.5 |     23.08458 (15092707)     21.10029 (15092707)     16.07054
(15092707)      9.90596 (15092707)     10.07754 (15022607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 567
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.68448 (17040507)     23.16922 (17020108)     24.27580
(17020108)     25.75506 (16120208)     42.34074 (16120208)
 3605847.5 |     22.48566 (17040507)     29.46374 (17040507)     25.82150
(17040507)     28.98099 (17020108)     29.32726 (16120624)
 3605597.5 |     24.50472 (16012908)     26.88709 (17020308)     31.33751
(17040507)     32.24474 (17040507)     34.91670 (17020108)
 3605347.5 |     22.20992 (16020408)     25.23095 (16011506)     31.43930
(16012908)     32.10082 (17020308)     38.07853 (17040507)
 3605097.5 |     23.13825 (15040607)     25.67751 (15121608)     28.40726
(16020408)     33.90492 (16012908)     41.24768 (17020308)
 3604847.5 |     22.78902 (15011608)     24.64085 (15011608)     28.67849
(15040607)     33.14668 (15121608)     37.67887 (16020408)
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 3604597.5 |     24.38574 (16122808)     25.98799 (17012508)     30.30701
(17012508)     33.41627 (15011608)     37.21912 (17012703)
 3604347.5 |     25.22491 (15040307)     30.08748 (15040307)     32.41193
(15040307)     35.56131 (16122808)     40.32699 (16122808)
 3604097.5 |     25.10361 (16040507)     28.85126 (16011421)     32.35367
(16011421)     34.63541 (15122708)     40.06313 (17122422)
 3603847.5 |     25.88056 (17121406)     28.88777 (17011708)     32.21113
(17011708)     37.46072 (17011708)     43.61501 (17011708)
 3603597.5 |     25.52322 (17021608)     26.48312 (17021608)     29.07898
(17121523)     33.18808 (17121523)     39.20558 (17121523)
 3603347.5 |     23.66058 (17122908)     26.69682 (17122908)     29.87210
(17122908)     34.16655 (16010308)     38.91628 (17011719)
 3603097.5 |     22.40628 (15012720)     25.36937 (16021602)     27.93046
(16021602)     32.46016 (16012803)     38.20924 (17120906)
 3602847.5 |     21.66936 (16011702)     24.71366 (17120906)     27.37750
(17122623)     33.60552 (15092907)     36.96530 (17121720)
 3602597.5 |     25.74686 (15092907)     28.12163 (15092907)     26.58696
(17122824)     31.90670 (17092807)     37.27428 (17092807)
 3602347.5 |     20.77664 (17010708)     27.58730 (17092807)     30.51422
(17092807)     39.77444 (15092707)     39.46928 (15092707)
 3602097.5 |     25.74236 (17092807)     32.16179 (15092707)     35.90543
(15092707)     28.12096 (15092707)     19.09541 (17122105)
 3601847.5 |     31.03007 (15092707)     28.16000 (15092707)     18.56215
(15092707)     16.18838 (15022607)     17.81360 (17012504)
 3601597.5 |     20.52145 (15092707)     12.88786 (17122302)     13.83489
(15012201)     15.23083 (17021905)     16.17053 (16020405)
 3601347.5 |     11.24033 (17122105)     12.19318 (15121422)     13.15018
(17021905)     13.85572 (17011920)     14.89595 (15013101)
 3601097.5 |     10.95728 (15121422)     11.55662 (17021905)     12.30070
(17011920)     13.06501 (15013101)     13.98675 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 568
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     39.45035 (16120208)     33.08454 (16010908)     53.29101
(17021308)     54.29794 (15021508)     59.96173 (17021508)
 3605847.5 |     47.18370 (16120208)     40.75140 (16120208)     39.60248
(15122808)     67.96543 (15021508)     48.04545 (15021508)
 3605597.5 |     34.82029 (16120624)     52.47289 (16120208)     46.16029
(15121708)     59.26803 (17021308)     78.87163 (15021508)
 3605347.5 |     42.66779 (17020108)     42.69673 (16121408)     57.28030
(16120208)     55.02481 (16010908)     60.53926 (15021508)
 3605097.5 |     43.09350 (15021008)     51.72295 (17020108)     55.25991
(16121408)     72.63672 (16120208)     69.23527 (16010908)
 3604847.5 |     48.79727 (16012908)     54.50709 (17020308)     61.83761
(15121803)     75.31805 (16121408)     97.14822 (16120208)
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 3604597.5 |     45.80494 (15121608)     53.95463 (16020408)     74.06398
(16012908)     83.59539 (15120308)    108.67199 (16121408)
 3604347.5 |     48.06402 (17012508)     55.10640 (15011608)     66.68228
(15121608)     86.34974 (16020408)    122.94151 (17020308)
 3604097.5 |     47.21733 (16020401)     57.24725 (17013020)     74.84028
(16122808)     94.05303 (17012508)    117.20264 (17012703)
 3603847.5 |     51.44146 (17011708)     61.87406 (17011708)     75.11190
(17011708)     93.40911 (16120722)    127.91941 (16011421)
 3603597.5 |     45.60489 (15021102)     54.91183 (15021102)     68.08688
(16012807)     89.15637 (17122908)    126.62307 (17122908)
 3603347.5 |     46.14734 (15012720)     54.00960 (16021602)     65.90348
(16012803)     86.05144 (15011506)    110.89002 (17121720)
 3603097.5 |     44.51465 (15011506)     51.47522 (16021406)     61.89331
(17010708)     79.37803 (17121308)     86.33377 (16021107)
 3602847.5 |     44.00604 (17010708)     50.31457 (17121308)     60.20877
(15092707)     44.10571 (17122302)     52.35284 (16121224)
 3602597.5 |     47.86264 (15092707)     42.07934 (15092707)     33.70436
(15022607)     37.86591 (16020405)     43.45971 (17010801)
 3602347.5 |     25.26854 (15092707)     26.40021 (15121422)     29.50096
(16020405)     32.74152 (15120324)     36.68808 (17012722)
 3602097.5 |     21.01837 (15121422)     23.44991 (16020405)     25.65167
(15120324)     28.34490 (16122704)     32.53110 (17022103)
 3601847.5 |     19.17778 (16020405)     21.06660 (15120324)     22.39099
(17022221)     24.67926 (17011624)     28.98054 (17022603)
 3601597.5 |     17.44470 (15013101)     18.67485 (16021923)     20.23265
(17012722)     25.94422 (17040807)     26.75916 (17020408)
 3601347.5 |     16.07391 (17010801)     16.94174 (17012722)     21.14428
(17040807)     21.06134 (17022603)     36.57094 (17020408)
 3601097.5 |     14.84508 (16122704)     15.75705 (17011624)     21.87310
(17040807)     22.19179 (15041007)     40.81366 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 569
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     60.10170 (17020920)     59.25505 (17020823)     21.80120
(15123009)     13.25803 (16112208)     33.76023 (17032607)
 3605847.5 |     85.89869 (16012808)     44.15194 (16121101)     63.30583
(16120106)     72.15173 (15100707)     85.83406 (16010501)
 3605597.5 |     97.19788 (16012808)     42.96594 (16021807)     46.75955
(17022408)     54.09466 (15010907)     91.88534 (16010501)
 3605347.5 |     51.24854 (17021508)     50.91868 (16021807)    104.58140
(16120106)     85.30741 (15100707)     97.19808 (17032607)
 3605097.5 |     78.10114 (15021508)    100.33479 (17021508)     43.17295
(15092607)     25.27560 (16112208)     46.98847 (17032607)
 3604847.5 |    118.38177 (15120107)    111.27214 (17021508)     85.49666
(16031803)     34.17569 (16112208)     35.55677 (17032607)
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 3604597.5 |    142.47013 (15121708)    200.70008 (17022504)     69.09276
(17022408)     49.76963 (16112208)     22.95643 (16083007)
 3604347.5 |    158.04986 (17020108)    206.04898 (16010908)    233.20952
(15010807)    203.22087 (15110104)     58.43644 (15122318)
 3604097.5 |    185.84563 (16012908)    306.79042 (17020108)    359.82364
(15120107)    452.95983 (16010501)    503.40674 (16121519)
 3603847.5 |    191.00690 (16020401)    346.19515 (16122808)    925.54209
(17020308)   1590.90817 (16120120)    695.52859 (17011103)
 3603597.5 |    183.25362 (16010308)    311.31022 (16012803)    784.81854
(17121308)   1996.30692 (17121808)    290.62467 (15022408)
 3603347.5 |    163.35565 (17121308)    154.66037 (15121422)    267.26641
(17022103)    386.91102 (15021621)    244.91293 (17081204)
 3603097.5 |     81.15261 (17021905)    107.20974 (17011608)    149.14189
(16010102)    196.17580 (16022219)    169.68981 (17010406)
 3602847.5 |     63.46702 (17010801)     84.15748 (16011119)     96.29934
(15012823)    121.15215 (17122205)    112.80956 (15021419)
 3602597.5 |     50.60435 (17011624)     70.12534 (17020408)     68.04284
(16011319)     84.82709 (17121519)     81.72703 (15011921)
 3602347.5 |     44.73998 (16011119)     70.69679 (17020408)     52.67370
(16010118)     64.23103 (17121519)     62.81418 (15020321)
 3602097.5 |     41.17476 (17020408)     53.00003 (17020408)     41.92667
(16122020)     51.06442 (15121123)     49.83702 (17121306)
 3601847.5 |     51.52094 (17020408)     34.39794 (17020408)     34.28657
(16122020)     41.86974 (15121123)     41.02286 (15021622)
 3601597.5 |     49.82789 (17020408)     28.18585 (17122619)     28.80404
(16022802)     35.15338 (15121123)     34.09784 (17122218)
 3601347.5 |     41.45459 (17020408)     24.01864 (16011319)     24.79136
(16012923)     30.06338 (15121123)     30.34059 (16112308)
 3601097.5 |     30.82986 (17020408)     21.08412 (15022601)     21.63040
(16012923)     26.12092 (15121123)     27.53531 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 570
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     23.55319 (17032607)     24.09947 (15021924)      9.45746
(16111708)      7.30459 (17020109)      6.55384 (17020109)
 3605847.5 |     17.31853 (17032607)     65.18017 (16120120)     17.27338
(16083007)      7.89838 (17020109)      6.21545 (16092207)
 3605597.5 |    101.27274 (16121520)     63.91452 (15033023)     72.21643
(17032207)     37.29417 (16100201)      9.50935 (16081907)
 3605347.5 |    119.61465 (16120120)     92.62924 (15121319)    109.63672
(17021903)     20.27544 (16092207)     11.34895 (16092207)
 3605097.5 |     23.17589 (16111708)     11.19836 (17020109)     21.22024
(16092207)     86.31956 (15101307)     13.78722 (15082707)
 3604847.5 |     20.37049 (16111708)     10.36394 (16092207)     14.71760
(17121809)     11.61829 (15110508)     18.37642 (15082707)
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```
 3604597.5 |     15.17767 (17020109)     17.63031 (17121809)     12.06164
(17032908)      9.21992 (15082707)     11.73870 (17122309)
 3604347.5 |     44.01678 (17121809)     32.60459 (15021121)     15.90278
(17032608)     28.13195 (17032608)     39.57671 (16040707)
 3604097.5 |    205.94212 (15041006)     57.00179 (16091707)     62.48263
(16040707)     41.22738 (16040707)     18.80159 (16040707)
 3603847.5 |    407.64196 (17122021)    153.85749 (17051623)     52.46109
(16090707)     22.12822 (16090707)     18.33759 (16090707)
 3603597.5 |     85.64199 (15020117)     65.70254 (16012017)     61.50766
(17012817)     41.12404 (17012817)     29.33353 (16052106)
 3603347.5 |     66.44678 (16111408)    147.78170 (15022408)    238.03858
(17021020)     60.13054 (15091922)    154.87744 (16013021)
 3603097.5 |    129.96955 (17082824)    161.31448 (16122817)    117.21253
(15121020)    128.41932 (17010923)    103.29659 (17022524)
 3602847.5 |    162.04420 (15020908)    110.52683 (17011224)     89.97192
(15013018)     84.77078 (17022804)     80.97533 (16040807)
 3602597.5 |     72.30472 (16121008)     99.12750 (17021408)     77.66015
(17011224)     66.45191 (17122124)     60.03009 (16121203)
 3602347.5 |     58.22506 (15011507)     72.83657 (17120621)     65.02073
(17021408)     57.92623 (17011224)     50.56963 (17122124)
 3602097.5 |     47.61857 (15021419)     42.94209 (16121008)     59.76330
(15020908)     49.21606 (16121022)     59.68724 (17011224)
 3601847.5 |     39.72542 (17011319)     37.61009 (16121220)     44.81598
(17120621)     48.98061 (17021408)     38.04287 (16010421)
 3601597.5 |     33.48583 (16122021)     37.67403 (15022808)     29.29590
(17122806)     39.36973 (17120621)     38.93525 (17021408)
 3601347.5 |     29.02059 (17123106)     32.40536 (15022808)     26.21535
(16121220)     29.94701 (17120621)     34.94479 (15020908)
 3601097.5 |     25.43813 (15020321)     24.72218 (16022321)     27.78714
(15022808)     21.83172 (17122806)     29.58429 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 571
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      6.74491 (16092207)      7.87161 (17121809)      8.23007
(17121809)      6.25160 (17121809)
 3605847.5 |      8.28445 (17121809)      9.00572 (17121809)      6.71581
(17121809)      6.26021 (17032908)
 3605597.5 |      9.95209 (17121809)      7.25513 (17121809)      6.78074
(17032908)      6.34674 (15082707)
 3605347.5 |      7.88827 (17121809)      7.57245 (15082707)      6.36345
(15082707)      3.75781 (15082707)
 3605097.5 |     12.46074 (15110508)      5.99396 (15082707)      5.89810
(17122309)      9.05727 (17122309)
 3604847.5 |     14.84460 (15022818)     12.35163 (16082307)     12.57713
(17122309)     17.14847 (16040707)
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 3604597.5 |     15.82681 (17032608)     25.47922 (16040707)     33.34019
(16040707)     31.82744 (16040707)
 3604347.5 |     41.85755 (16040707)     30.64917 (16040707)     18.07309
(16040707)      9.38467 (16040707)
 3604097.5 |     14.15194 (17082707)     13.75605 (17082707)     12.71183
(17082707)     12.69462 (16090707)
 3603847.5 |     15.64865 (17030408)     14.45788 (17030408)     13.53895
(17030408)     12.74116 (17030408)
 3603597.5 |     33.17309 (15062407)     15.68580 (15062407)     14.82457
(15062407)     14.02402 (15062407)
 3603347.5 |     70.05789 (15060206)     15.79104 (15020117)     11.98033
(15061907)     11.00618 (15061907)
 3603097.5 |     41.24838 (15111922)     12.83796 (17122709)     11.20745
(17122709)      9.23948 (17122709)
 3602847.5 |     84.28751 (16040807)     36.40189 (15022408)     22.91146
(15022408)     10.82224 (15022408)
 3602597.5 |     97.21507 (16120121)     43.65980 (16040807)     35.44630
(16040807)     31.94117 (15022408)
 3602347.5 |     53.76442 (16121203)     61.26097 (17022804)     67.41636
(17011308)     74.89276 (15121020)
 3602097.5 |     51.74147 (17122124)     38.15584 (16122817)     35.31398
(17022804)     33.87868 (17121101)
 3601847.5 |     48.13544 (17021621)     31.63750 (17122124)     31.11948
(15013018)     28.44142 (16121203)
 3601597.5 |     33.71814 (16010421)     30.89164 (17021621)     27.00364
(16012022)     26.34976 (16013009)
 3601347.5 |     29.56983 (17021408)     27.83229 (16010421)     26.19553
(17021621)     22.67608 (16121120)
 3601097.5 |     30.19901 (17021408)     25.79949 (16121022)     23.92183
(16010421)     22.97436 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 572
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC1      ***
                                 INCLUDING SOURCE(S):     SC1         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      446.07770  (15021008)
507708.67   3603932.32      150.82606  (16122808)
        506203.59   3603369.23       36.01559  (16010308)
507919.87   3604794.52      127.17677  (15120107)
        507037.89   3604916.08       57.63578  (17020108)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 573
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC2      ***
                                  INCLUDING SOURCE(S):     SC2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.38554 (16020408)     14.21752 (15011008)     17.09698
(16012908)     19.42325 (16012908)     19.91320 (17020308)
 3605847.5 |     16.44080 (15040607)     15.40537 (15040607)     16.02093
(16020408)     17.80888 (15011008)     22.24544 (16012908)
 3605597.5 |     16.35614 (15040607)     18.46211 (15040607)     20.06592
(15040607)     19.51603 (15040607)     20.92078 (16020408)
 3605347.5 |     15.37347 (17012508)     15.77836 (15011608)     17.54725
(15040607)     20.01896 (15040607)     23.61275 (15040607)
 3605097.5 |     15.93680 (16122808)     16.82691 (17010407)     18.87712
(17012508)     18.91123 (17012508)     20.59251 (15011608)
 3604847.5 |     21.90512 (15040307)     22.58627 (15040307)     21.40947
(15040307)     20.32646 (16122808)     22.55211 (15011519)
 3604597.5 |     18.90331 (17092707)     19.74698 (17092707)     20.13457
(17092707)     24.24847 (15040307)     28.77874 (15040307)
 3604347.5 |     19.71670 (16040507)     19.98316 (16040507)     20.23738
(16040507)     21.04414 (16011421)     23.84574 (16011421)
 3604097.5 |     16.51998 (17011708)     18.58209 (17011708)     20.06586
(17011708)     22.07048 (17011708)     24.56518 (17011708)
 3603847.5 |     19.01746 (17021608)     20.27775 (17021608)     22.17034
(17021608)     23.24774 (17021608)     26.07015 (17122608)
 3603597.5 |     16.18534 (17021608)     16.43154 (17021608)     18.08112
(15021102)     20.14330 (15021102)     21.91898 (15021102)
 3603347.5 |     14.96864 (17122908)     16.65132 (17122908)     18.49047
(17122908)     20.03896 (17122908)     21.78469 (16010308)
 3603097.5 |     14.49127 (17021402)     15.86423 (17011719)     17.13491
(15012720)     19.67302 (15012720)     21.04387 (16021602)
 3602847.5 |     14.28689 (16021602)     15.06402 (16012803)     17.11843
(16012803)     18.56526 (16011702)     20.41244 (17120906)
 3602597.5 |     14.04169 (17120906)     15.21636 (17120906)     17.61431
(15092907)     22.28327 (15092907)     25.67211 (15092907)
 3602347.5 |     18.48441 (15092907)     21.17083 (15092907)     22.10936
(15092907)     20.54073 (15092907)     19.78974 (17092807)
 3602097.5 |     18.70369 (15092907)     16.38075 (15092907)     18.53092
(17092807)     23.36119 (17092807)     25.19246 (17092807)
 3601847.5 |     17.37104 (17092807)     21.03479 (17092807)     21.94604
(17092807)     25.61579 (15092707)     30.51117 (15092707)
 3601597.5 |     19.81789 (17092807)     22.13355 (15092707)     26.46308
(15092707)     26.76302 (15092707)     21.81611 (15092707)
 3601347.5 |     23.58192 (15092707)     24.80855 (15092707)     21.99413
(15092707)     15.85345 (15092707)     10.83451 (17122302)
 3601097.5 |     21.62495 (15092707)     17.18342 (15092707)     11.24611
(15092707)      9.78878 (17122105)     10.44574 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 574
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC2      ***
                                  INCLUDING SOURCE(S):     SC2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.00028 (17040507)     27.94530 (17040507)     27.05769
(17020108)     26.63076 (16121408)     39.38220 (16120208)
 3605847.5 |     24.81661 (17020308)     27.93833 (17040507)     32.84625
(17040507)     30.61305 (17020108)     30.93066 (16121408)
 3605597.5 |     23.32382 (16011506)     28.92666 (16012908)     31.06186
(17020308)     37.47133 (17040507)     34.79740 (17020108)
 3605347.5 |     23.95212 (15121608)     26.42277 (16020408)     31.13530
(16011506)     37.96424 (17020308)     39.38817 (15021008)
 3605097.5 |     23.05406 (15040607)     28.41822 (15040607)     31.15266
(15121608)     34.67727 (16020408)     42.98038 (16012908)
 3604847.5 |     23.88027 (17012508)     26.00421 (17012508)     30.45307
(15011608)     33.65670 (17012703)     41.56106 (15121608)
 3604597.5 |     27.69082 (15040307)     28.34521 (16122808)     30.55963
(16122808)     34.99144 (17012508)     40.67063 (17012508)
 3604347.5 |     27.31497 (15122708)     31.09730 (17122422)     33.58722
(16020401)     34.28803 (15020702)     41.33867 (16011108)
 3604097.5 |     27.55218 (17011708)     32.86459 (17011708)     35.56957
(16120722)     36.15897 (16120722)     40.03344 (16120722)
 3603847.5 |     30.04297 (17122608)     33.00887 (17122608)     35.09812
(17122608)     40.34237 (17122608)     45.63893 (17122608)
 3603597.5 |     24.92315 (15021102)     27.15856 (16012807)     30.22313
(16012807)     34.98228 (15011603)     44.54667 (17122908)
 3603347.5 |     23.95935 (16010308)     26.48802 (17021402)     30.22440
(17011719)     35.86319 (15012720)     42.08128 (16021602)
 3603097.5 |     22.44586 (16021602)     26.19952 (16012803)     29.14519
(16011702)     35.01269 (15011506)     41.06170 (16021406)
 3602847.5 |     22.41923 (15011506)     27.91714 (15092907)     32.16122
(15092907)     33.84898 (17122824)     40.84098 (17010708)
 3602597.5 |     26.21943 (15092907)     24.80322 (17010704)     30.74741
(17092807)     35.66208 (17092807)     48.96400 (15092707)
 3602347.5 |     27.01080 (17092807)     29.77347 (17092807)     38.21406
(15092707)     41.05209 (15092707)     28.97767 (15092707)
 3602097.5 |     30.73453 (15092707)     35.09538 (15092707)     30.61952
(15092707)     18.38029 (17122302)     19.68446 (15121422)
 3601847.5 |     28.81212 (15092707)     20.89076 (15092707)     15.32224
(17122105)     16.91179 (15121422)     18.16466 (16121224)
 3601597.5 |     13.77908 (15092707)     13.04569 (15022607)     14.30387
(17012504)     15.55417 (16121224)     16.52365 (17121505)
 3601347.5 |     11.54817 (15012201)     12.49946 (17012504)     13.37911
(16020405)     14.23501 (17121505)     15.14416 (15120324)
 3601097.5 |     11.16688 (17012504)     11.87016 (16020405)     12.69431
(17121505)     13.43781 (15120324)     13.97975 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 575
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC2      ***
                                 INCLUDING SOURCE(S):     SC2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     48.72742 (16120208)     35.62514 (15121708)     54.03928
(17021308)     71.52517 (15021508)     65.12702 (17010724)
 3605847.5 |     44.52115 (16120208)     54.08146 (16120208)     46.68490
(16010908)     76.00721 (15021508)     70.72011 (15121303)
 3605597.5 |     36.43435 (17020202)     50.41050 (16120208)     56.39680
(16120208)     66.27035 (15122808)     94.72034 (15021508)
 3605347.5 |     42.45481 (15121803)     46.32406 (17020108)     56.21918
(16120208)     61.39532 (15121708)     61.22841 (17021308)
 3605097.5 |     50.19673 (17020308)     54.57313 (15120308)     66.66050
(17020108)     77.24827 (16120208)     82.52944 (15121708)
 3604847.5 |     47.82643 (16020408)     65.18356 (16012908)     74.91393
(15021008)     99.59806 (17020108)    122.74112 (16120208)
 3604597.5 |     48.32884 (17121424)     60.49705 (15121608)     74.16076
(16020408)    110.11791 (17020308)    147.61813 (17020108)
 3604347.5 |     50.07107 (16122808)     57.66523 (17012508)     72.84021
(15011608)     97.16525 (15121608)    135.14997 (16011506)
 3604097.5 |     48.55623 (16011421)     60.45665 (15122708)     77.41064
(17020524)     94.32342 (17013020)    136.53606 (16122808)
 3603847.5 |     51.75548 (17122608)     62.91731 (17122608)     77.87985
(17122608)    102.46770 (17122608)    143.13844 (17122608)
 3603597.5 |     51.87798 (17122908)     60.14255 (17122908)     73.39124
(16010308)     90.34631 (15012720)    121.00068 (16012803)
 3603347.5 |     49.54032 (16012803)     56.54582 (17120906)     71.16909
(16021406)     93.99939 (17122824)    113.01792 (17121308)
 3603097.5 |     48.04306 (17121720)     56.30868 (17010708)     67.13030
(17121308)     73.56658 (16021107)     61.05120 (15022607)
 3602847.5 |     48.25624 (17121308)     58.68430 (15092707)     44.34577
(15092707)     44.70569 (15121422)     49.18110 (17121505)
 3602597.5 |     43.83483 (15092707)     30.59578 (16011206)     35.25511
(17012504)     37.03074 (17121505)     41.48168 (16122704)
 3602347.5 |     24.06320 (15022607)     27.07321 (17021905)     29.53252
(17121505)     31.82102 (17010801)     34.86910 (17011624)
 3602097.5 |     21.33717 (16121224)     23.59389 (17121505)     25.38017
(17010801)     27.61900 (17012722)     32.25088 (17022103)
 3601847.5 |     19.40503 (17121505)     21.14837 (17010801)     22.15347
(16122704)     26.52753 (17040807)     27.88027 (15021805)
 3601597.5 |     17.51148 (16121724)     18.95528 (16122704)     20.00889
(17011624)     23.26691 (17040807)     33.97683 (17020408)
 3601347.5 |     15.99496 (16022007)     17.12882 (16120304)     23.93727
(17040807)     22.49760 (15041007)     41.12957 (17020408)
 3601097.5 |     14.88167 (17012722)     18.72253 (17040807)     19.02161
(17040807)     24.32866 (17020408)     42.16115 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 576
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC2      ***
                                 INCLUDING SOURCE(S):     SC2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     40.46839 (17070706)     42.90920 (15022002)     21.84685
(17022408)     13.65252 (16112208)     37.31718 (17032607)
 3605847.5 |     83.16628 (16012808)     96.20247 (16120908)     52.28933
(17022408)     37.26921 (15111919)     86.74408 (17032607)
 3605597.5 |     81.72012 (17021508)     55.10276 (16021807)     57.25253
(16120106)     64.55703 (15010907)     99.41019 (17020819)
 3605347.5 |     59.17952 (15021508)     64.19079 (17021508)     72.19279
(17022408)     35.02310 (16112208)    124.09025 (17120924)
 3605097.5 |     97.12661 (15021508)    146.91461 (16012808)     40.19696
(17022408)     28.30164 (16112208)     40.96117 (17032607)
 3604847.5 |    186.06161 (17021107)    172.08268 (15121303)     79.62014
(17022408)     39.28727 (16112208)     25.06472 (17032607)
 3604597.5 |    182.15670 (15120408)    167.85117 (15021508)     64.61597
(15013009)     67.76289 (17032607)     33.51040 (16111708)
 3604347.5 |    198.69895 (15120308)    280.50526 (15123008)    262.70657
(17102907)    198.76021 (17032607)     59.24554 (17022620)
 3604097.5 |    212.64262 (15011608)    379.00681 (16012908)    709.64523
(15121708)    939.25437 (15122908)    427.71081 (16021003)
 3603847.5 |    221.40893 (17122608)    370.55009 (17122608)   1037.02512
(17011708)   4975.84060 (17020717)    398.71929 (15061006)
 3603597.5 |    188.76048 (16021406)    297.63525 (17121308)    374.72596
(17010801)    439.57047 (16021308)    196.50797 (16013009)
 3603347.5 |    110.65012 (16021107)    130.59692 (15120324)    214.09432
(16012324)    308.22595 (15021621)    110.30849 (16022919)
 3603097.5 |     74.41039 (16020219)     94.08997 (17022103)    122.57610
(16010204)    183.46634 (16022219)    167.49600 (15011507)
 3602847.5 |     58.78782 (17012722)     75.07082 (15021805)     82.68264
(17122619)    101.35106 (17122205)     97.27035 (16022321)
 3602597.5 |     51.27275 (17022103)     78.90887 (17020408)     62.01824
(16010118)     73.69686 (17121519)     71.18808 (17123106)
 3602347.5 |     41.97977 (15021805)     65.40100 (17020408)     47.98287
(17122005)     57.54101 (17121519)     56.31800 (16121418)
 3602097.5 |     50.61781 (17020408)     44.40813 (17020408)     38.56348
(16122020)     46.27992 (15121123)     45.36536 (17121306)
 3601847.5 |     54.29753 (17020408)     30.70905 (17020905)     32.07317
(16022802)     38.42521 (15121123)     37.57930 (15021622)
 3601597.5 |     47.60044 (17020408)     26.66234 (17122619)     27.11938
(16012923)     32.65846 (15121123)     32.69025 (16112308)
 3601347.5 |     37.25136 (17020408)     22.95833 (15022601)     23.66028
(16012923)     28.19863 (15121123)     30.33693 (16112308)
 3601097.5 |     26.55524 (17020408)     20.61696 (16010118)     21.07913
(17010402)     24.77800 (15121123)     27.38826 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 577
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC2      ***
                                  INCLUDING SOURCE(S):     SC2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     19.99751 (17032607)     13.63506 (15121322)     10.29899
(16111708)      7.75703 (17020109)      5.91649 (17020109)
 3605847.5 |     13.28175 (17032607)     67.55671 (15033023)     16.58949
(16083007)      7.58150 (17020109)      8.26027 (16092207)
 3605597.5 |     69.64801 (15021924)     64.89577 (17060105)     38.42405
(15092321)     18.38250 (15022123)     10.37984 (16081907)
 3605347.5 |     99.69180 (15033023)     87.82256 (16120518)     87.00357
(17022521)     19.88165 (16092207)     10.51852 (17121809)
 3605097.5 |     25.54569 (16083007)     11.28699 (17020109)     24.27420
(16092207)     51.05445 (17090523)     12.68362 (15110508)
 3604847.5 |     19.54665 (16111708)     16.29621 (16092207)     14.13439
(17121809)     11.39785 (15022724)     14.16095 (15022818)
 3604597.5 |     20.88014 (16092207)     17.30548 (17121809)     12.19923
(15082707)     12.83328 (17032608)     20.45460 (17032608)
 3604347.5 |     40.94064 (17012305)     33.67530 (15022818)     40.83609
(17032608)     49.58146 (16040707)     43.93418 (16040707)
 3604097.5 |    118.50278 (16040707)     77.13749 (16040707)     31.12081
(16040707)     18.81152 (17082707)     17.05613 (17082707)
 3603847.5 |    172.68854 (15061006)     82.46357 (15021202)     36.55285
(17030408)     25.50571 (17030408)     20.66919 (15062407)
 3603597.5 |     97.86804 (15022408)     51.33071 (17122709)     39.00858
(16121017)     29.79808 (15020117)     22.48219 (15061907)
 3603347.5 |    102.79599 (16013009)     68.10751 (16040807)    147.94530
(16100807)     38.73655 (15022408)     85.97536 (17040401)
 3603097.5 |     55.64907 (17020419)    150.08793 (17122124)    123.41233
(17022804)    146.56586 (15121020)    140.50200 (16121122)
 3602847.5 |    145.13356 (17120621)     96.98353 (16121022)     81.70053
(16121120)     94.17011 (16121203)     74.49912 (17121101)
 3602597.5 |     69.92610 (16121220)     86.56378 (15020908)     71.19119
(16010421)     66.68673 (16121120)     67.13941 (16122817)
 3602347.5 |     53.62310 (17010624)     57.15954 (17120621)     68.87961
(17021408)     54.05702 (16010421)     50.37624 (17122518)
 3602097.5 |     43.67121 (15021419)     41.36492 (17010406)     53.78628
(17120621)     50.15921 (17021408)     84.28975 (16010601)
 3601847.5 |     37.23644 (15011921)     37.50758 (15022808)     35.36756
(16121008)     44.93737 (15020908)     40.84459 (16121022)
 3601597.5 |     31.78697 (16122021)     37.97732 (15022808)     28.58698
(17010406)     36.80068 (17120621)     38.39151 (17021408)
 3601347.5 |     28.09057 (17031208)     29.31414 (15022808)     25.24037
(16121220)     25.50130 (16121008)     32.57859 (15020908)
 3601097.5 |     24.49320 (16121418)     23.99825 (17011319)     30.23508
(15022808)     21.61976 (17010406)     26.82902 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 578
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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```
                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC2      ***
                                  INCLUDING SOURCE(S):     SC2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.95917 (16092207)      8.74518 (17121809)      7.72937
(17121809)      5.87653 (17032908)
 3605847.5 |      9.49260 (17121809)      8.46503 (17121809)      6.50898
(17032908)      6.50361 (15082707)
 3605597.5 |      9.37066 (17121809)      7.24769 (17032908)      7.06398
(15082707)      5.29881 (15082707)
 3605347.5 |      8.10695 (17032908)      7.46066 (15082707)      4.73588
(15082707)      5.81869 (17122309)
 3605097.5 |      7.48355 (15082707)      5.89103 (17122309)      9.58905
(17122309)     11.57842 (17122309)
 3604847.5 |     13.30100 (16082307)     13.72013 (17122309)     20.64919
(16040707)     28.85898 (16040707)
 3604597.5 |     31.37368 (16040707)     37.76074 (16040707)     32.27481
(16040707)     22.15959 (16040707)
 3604347.5 |     26.47873 (16040707)     13.05797 (16040707)     11.15544
(17082707)     11.29381 (17082707)
 3604097.5 |     16.94668 (16090707)     16.00751 (16090707)     14.68091
(16090707)     13.24704 (16090707)
 3603847.5 |     18.53209 (15062407)     16.84269 (15062407)     15.46814
(15062407)     14.32426 (15062407)
 3603597.5 |     21.32579 (15061907)     16.59834 (15061907)     13.76363
(17042907)     12.11957 (17082707)
 3603347.5 |     38.55495 (15091922)     13.68918 (17082908)      8.33246
(17122709)      6.98138 (15061907)
 3603097.5 |     37.90476 (15022408)     20.33699 (15022408)     11.61257
(17122709)     10.79028 (17122709)
 3602847.5 |    108.42167 (15121020)     37.92377 (16040807)     33.92907
(15022408)     23.38449 (15022408)
 3602597.5 |     70.98759 (15031607)     30.63090 (16040807)     40.50548
(16040807)     32.27060 (16040807)
 3602347.5 |     55.96054 (15013018)     69.94978 (17010220)     37.14300
(16071324)     60.36915 (16040807)
 3602097.5 |     92.06363 (17040307)     38.34710 (17122124)     38.86693
(16121203)     35.98662 (17022804)
 3601847.5 |     67.66596 (16010601)     33.68680 (17122518)     30.95751
(17122124)     29.90144 (16122817)
 3601597.5 |     35.02302 (16121022)     30.56889 (17011224)     29.96040
(17122518)     25.61292 (17122124)
 3601347.5 |     31.98614 (17021408)     24.78065 (16121022)     25.91396
(17011224)     24.72266 (17122518)
 3601097.5 |     28.15870 (15020908)     25.51334 (17021408)     22.21568
(16010421)     23.47278 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 579
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC2      ***
                                 INCLUDING SOURCE(S):     SC2         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      511.46145  (17012508)
507708.67   3603932.32      155.16335  (16120722)
        506203.59   3603369.23       37.75616  (15012720)
507919.87   3604794.52      177.29848  (15122808)
        507037.89   3604916.08       68.95211  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 580
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.47009 (15010408)     14.11099 (15011008)     16.74921
(16120805)     19.78931 (16012908)     20.63705 (17020308)
 3605847.5 |     16.90287 (15040607)     16.18020 (15040607)     16.15076
(16020408)     17.84928 (15011008)     22.14259 (16012908)
 3605597.5 |     16.05859 (15040607)     18.50386 (15040607)     20.60334
(15040607)     20.57355 (15040607)     21.33540 (15010408)
 3605347.5 |     15.85074 (17012508)     15.79574 (15011608)     17.01085
(15040607)     19.86069 (15040607)     24.13950 (15040607)
 3605097.5 |     16.64711 (16021108)     17.10738 (15011519)     18.98480
(17012508)     19.44612 (17012508)     20.75391 (15011608)
 3604847.5 |     21.83063 (15040307)     23.17881 (15040307)     22.70571
(15040307)     21.14540 (15040307)     23.76176 (16122808)
 3604597.5 |     18.74746 (17092707)     20.03034 (17092707)     20.97111
(17092707)     22.94410 (15040307)     28.24565 (15040307)
 3604347.5 |     20.22653 (16040507)     20.83959 (16040507)     21.52424
(16040507)     22.07150 (16040507)     24.50805 (16011421)
 3604097.5 |     16.31926 (17011708)     18.50548 (17011708)     20.09661
(17011708)     22.28799 (17011708)     25.07852 (17011708)
 3603847.5 |     20.18928 (17021608)     21.56597 (17021608)     23.64368
(17021608)     24.82368 (17021608)     27.10819 (17021608)
 3603597.5 |     15.00308 (15021102)     16.39697 (15021102)     18.57465
(15021102)     20.52357 (15021102)     22.14815 (16012807)
 3603347.5 |     15.37750 (17122908)     16.92624 (17122908)     18.56179
(17122908)     20.02507 (16010308)     21.84232 (16010308)
 3603097.5 |     14.77294 (17011719)     15.92168 (17011719)     17.42698
(15012720)     19.97453 (16021602)     21.02414 (16021602)
 3602847.5 |     14.06169 (16021602)     15.50270 (16012803)     17.32703
(16011702)     18.80757 (17120906)     20.52608 (15011506)
 3602597.5 |     14.28617 (17120906)     15.43266 (15011506)     19.68474
(15092907)     23.75892 (15092907)     25.87761 (15092907)
 3602347.5 |     19.64827 (15092907)     21.56751 (15092907)     21.43528
(15092907)     18.79237 (15092907)     22.30111 (17092807)
 3602097.5 |     17.66300 (15092907)     14.84234 (17092807)     20.39113
(17092807)     24.16436 (17092807)     24.78608 (15092707)
 3601847.5 |     18.78870 (17092807)     21.58728 (17092807)     21.20178
(17092807)     27.31890 (15092707)     30.49497 (15092707)
 3601597.5 |     19.20995 (17092807)     23.72193 (15092707)     26.86998
(15092707)     25.55362 (15092707)     19.41867 (15092707)
 3601347.5 |     24.22740 (15092707)     24.21262 (15092707)     20.26194
(15092707)     13.69229 (15092707)     10.88579 (17122105)
 3601097.5 |     20.43635 (15092707)     15.38688 (15092707)      9.49556
(15092707)      9.82420 (15022607)     10.60172 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 581
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.82613 (17040507)     29.21481 (17040507)     27.45770
(17020108)     26.84363 (16121408)     38.84020 (16120208)
 3605847.5 |     25.29641 (17020308)     27.11814 (17040507)     33.80710
(17040507)     30.68144 (17020108)     31.04945 (17020202)
 3605597.5 |     23.42909 (15011008)     29.35244 (16012908)     32.60440
(17020308)     37.74284 (17040507)     34.41497 (17020108)
 3605347.5 |     24.54326 (15121608)     27.03581 (16020408)     31.19545
(16011506)     38.92225 (16012908)     40.18280 (17010508)
 3605097.5 |     22.57236 (15040607)     28.84968 (15040607)     31.84377
(15121608)     35.70818 (16020408)     42.49237 (16012908)
 3604847.5 |     23.71268 (17012508)     26.86470 (17012508)     31.44883
(15011608)     34.71436 (17012703)     42.17649 (15121608)
 3604597.5 |     28.21448 (15040307)     29.44500 (15040307)     31.43080
(16122808)     34.46038 (17012508)     42.72747 (17012508)
 3604347.5 |     27.80246 (16011421)     31.77652 (15122708)     34.50379
(17020524)     34.81448 (16020401)     41.43302 (15020702)
 3604097.5 |     28.50915 (17011708)     34.61952 (17011708)     38.08268
(17011708)     37.42482 (17011708)     41.25433 (16120722)
 3603847.5 |     30.64023 (17122608)     33.68776 (17122608)     35.71617
(17122608)     41.10951 (17122608)     46.40044 (17122608)
 3603597.5 |     25.44125 (16012807)     27.72042 (16012807)     31.01950
(17122908)     36.92674 (17122908)     46.42875 (17122908)
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 3603347.5 |     24.01288 (17021402)     27.16335 (17011719)     30.75610
(15012720)     36.62537 (16021602)     42.26633 (16012803)
 3603097.5 |     22.85987 (16012803)     26.72888 (16011702)     29.89097
(17120906)     35.43062 (15011506)     41.94883 (16021406)
 3602847.5 |     23.39453 (15092907)     29.85969 (15092907)     31.76435
(15092907)     34.06623 (17010704)     41.87492 (17121308)
 3602597.5 |     24.70719 (15092907)     25.79533 (17010708)     32.73273
(17092807)     38.71372 (15092707)     50.21685 (15092707)
 3602347.5 |     28.28236 (17092807)     30.70608 (15092707)     40.00639
(15092707)     38.63302 (15092707)     23.90817 (15092707)
 3602097.5 |     32.54581 (15092707)     34.25084 (15092707)     27.14032
(15092707)     18.25701 (17122105)     20.04636 (15121422)
 3601847.5 |     26.68749 (15092707)     17.72959 (15092707)     15.40997
(15022607)     16.97985 (17012504)     18.24414 (16020405)
 3601597.5 |     12.41741 (17122302)     13.16101 (15012201)     14.41657
(17012504)     15.67785 (16020405)     16.22159 (15013101)
 3601347.5 |     11.66327 (15121422)     12.52218 (17021905)     13.47671
(16020405)     14.00901 (17121505)     15.04172 (16121724)
 3601097.5 |     11.28660 (17021905)     11.89515 (16020405)     12.52806
(17121505)     13.33206 (15120324)     14.00417 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 582
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     50.16336 (16120208)     36.80623 (15121708)     55.17119
(17021308)     74.46812 (15021508)     68.92410 (17010724)
 3605847.5 |     43.96282 (16120208)     56.22475 (16120208)     48.55184
(16010908)     78.27040 (15120107)     72.89321 (15121303)
 3605597.5 |     37.92876 (17020108)     49.84500 (16120208)     59.20723
(16120208)     87.06931 (17011603)     96.58935 (15021508)
 3605347.5 |     43.78637 (16011607)     48.76178 (17020108)     55.64780
(16120208)     62.68514 (15121708)     62.84678 (17022201)
 3605097.5 |     52.85469 (17020308)     57.23610 (15120308)     70.82029
(17020108)     77.30432 (16120208)     87.10174 (15121708)
 3604847.5 |     49.70304 (16020408)     66.71515 (16012908)     77.64732
(15021008)    104.95244 (17020108)    126.51398 (16120208)
 3604597.5 |     51.33716 (15011608)     60.59300 (15121608)     78.50836
(16020408)    116.70445 (17020308)    149.26303 (17020108)
 3604347.5 |     50.16648 (16011108)     60.23689 (16122808)     77.84337
(17012508)    103.01516 (17012703)    144.98918 (16020408)
 3604097.5 |     49.13203 (16120722)     62.55860 (16011421)     80.28746
(15122708)     98.01063 (16020401)    140.36803 (16122808)
 3603847.5 |     52.18106 (17122608)     63.58044 (17122608)     78.58955
(17122608)    104.11888 (17122608)    146.61909 (17122608)
 3603597.5 |     52.18409 (17122908)     59.86002 (16010308)     75.82839
(15012720)     91.31225 (16021602)    126.29910 (17120906)
```

```
 3603347.5 |     51.04889 (16011702)     57.72947 (15011506)     72.38281
(16121801)     98.89167 (17010708)    108.81872 (17020106)
 3603097.5 |     49.11212 (17122824)     57.49255 (17010708)     65.64861
(16122619)     65.61456 (16021107)     62.39442 (17012504)
 3602847.5 |     50.92798 (15092707)     57.43609 (15092707)     40.18200
(17122302)     45.02296 (17021905)     49.46347 (15120324)
 3602597.5 |     38.63074 (15092707)     30.85791 (15022607)     35.43978
(16121224)     37.07127 (15013101)     41.24180 (16122704)
 3602347.5 |     24.35317 (15121422)     27.23800 (16121224)     29.52074
(15013101)     31.87539 (16122704)     34.44051 (17010503)
 3602097.5 |     21.40275 (16121224)     23.45259 (15013101)     24.97544
(16021923)     27.53476 (16120304)     31.95523 (16011119)
 3601847.5 |     19.16727 (15013101)     21.33913 (17010801)     22.31513
(17012722)     27.89905 (17040807)     28.11607 (15041007)
 3601597.5 |     17.73959 (17010801)     18.93290 (16122704)     20.37132
(17040807)     22.72371 (16011119)     37.88330 (17020408)
 3601347.5 |     16.16900 (16122704)     17.17186 (16120304)     23.93823
(17040807)     23.41721 (15041007)     43.03012 (17020408)
 3601097.5 |     14.99113 (17012722)     20.50673 (17040807)     17.86403
(17022603)     27.47823 (17020408)     42.04204 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 583
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.15074 (17070706)     42.15989 (17022408)     20.87944
(17022408)     12.97155 (16112208)     39.58271 (17032607)
 3605847.5 |     81.29595 (17021508)    101.65723 (16120908)     50.61089
(17022408)     33.12310 (15111919)     88.95890 (17032607)
 3605597.5 |     83.94872 (17021508)     56.33406 (16021807)     59.24775
(16120106)     66.63086 (15010907)     93.39719 (17032607)
 3605347.5 |     61.00879 (15021508)     64.84197 (15022206)    187.21775
(15092607)     36.10271 (16091507)    120.70472 (17120924)
 3605097.5 |    101.21799 (15021508)    133.22572 (16012808)     41.88931
(17022408)     28.25796 (17032607)     32.56643 (17032607)
 3604847.5 |    181.85092 (17021401)    166.84767 (17010208)     87.32612
(17022408)     46.89563 (17032607)     16.07869 (17032607)
 3604597.5 |    191.25735 (15120408)    172.20694 (15021508)     68.24123
(15013009)     94.85534 (17032607)     41.62000 (16111708)
 3604347.5 |    220.69451 (15021008)    322.88913 (15120408)    238.76229
(17102907)    238.37097 (17032607)     67.40430 (15022723)
 3604097.5 |    238.91268 (17012508)    382.17566 (16020408)    866.62977
(15121708)   1150.09870 (16120120)    345.32032 (17052405)
 3603847.5 |    229.60522 (17122608)    373.96880 (17122608)   1094.01645
(17122908)   4248.80944 (15121507)    333.54244 (16021806)
 3603597.5 |    196.71012 (17122824)    276.74125 (16021107)    357.89807
(16120304)    345.91870 (16021308)    206.63882 (16013009)
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 3603347.5 |    100.83118 (15022607)    128.86412 (17010801)    206.75136
(16010102)    294.24543 (17122218)     93.96359 (16022919)
 3603097.5 |     75.00243 (15120324)     97.91422 (17022103)    120.09590
(15012823)    176.92646 (16022219)    161.27170 (16121220)
 3602847.5 |     58.31926 (16120304)     76.69849 (17020408)     78.81537
(15022601)     96.50869 (16022219)     93.66263 (16022321)
 3602597.5 |     50.85451 (16011119)     79.92782 (17020408)     60.56265
(17122005)     71.57673 (17122205)     68.72662 (16122021)
 3602347.5 |     42.02510 (17020408)     59.84437 (17020408)     47.12608
(16122020)     56.02728 (17122205)     54.52918 (15020321)
 3602097.5 |     54.90212 (17020408)     38.28996 (17020408)     37.67562
(16022802)     44.98524 (17121519)     44.26270 (17121306)
 3601847.5 |     54.33499 (17020408)     30.54233 (17122619)     31.46525
(16012923)     37.34888 (17121519)     36.88829 (15021622)
 3601597.5 |     45.03872 (17020408)     26.15205 (16011319)     26.66841
(16012923)     31.77741 (15121123)     32.18337 (16112308)
 3601347.5 |     33.89475 (17020408)     22.75359 (15022601)     23.40616
(17010402)     27.58199 (15121123)     30.22514 (16112308)
 3601097.5 |     23.48900 (17020408)     20.51966 (16010118)     20.91020
(17010402)     24.36020 (15121123)     27.53568 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 584
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.50940 (17032607)     12.35427 (15121322)     10.31184
(16111708)      7.78477 (17020109)      5.46379 (17020109)
 3605847.5 |     12.07934 (16010705)     64.51097 (15122821)     15.56049
(16083007)      7.30729 (15022224)      8.77867 (16092207)
 3605597.5 |     67.32520 (15021924)     61.41480 (15052306)     32.88339
(16101307)     18.36863 (16092207)     10.74699 (17121809)
 3605347.5 |     89.53228 (15033023)     81.98008 (17032207)     80.54812
(17022521)     17.74265 (16092207)      9.74585 (17121809)
 3605097.5 |     26.67658 (16083007)     12.58624 (15022224)     22.63399
(16092207)     49.29073 (17090523)     13.54189 (15110508)
 3604847.5 |     16.11206 (16111708)     16.60875 (16092207)     12.72708
(17121809)     11.85159 (15022724)     15.66893 (15022818)
 3604597.5 |     25.74246 (16092207)     15.12628 (17121809)     10.75800
(15082707)     18.38836 (17032608)     22.90698 (16040707)
 3604347.5 |     36.55134 (15082707)     29.68165 (15022818)     41.32919
(17032608)     52.74258 (16040707)     36.77614 (16040707)
 3604097.5 |    182.20342 (16040707)     56.76310 (16040707)     25.52012
(17032307)     19.80639 (17091207)     18.88931 (16090707)
 3603847.5 |    147.47217 (15012017)     82.95747 (15012017)     31.43385
(17030408)     24.34698 (15062407)     21.43630 (15062407)
 3603597.5 |    106.72582 (16040807)     46.60332 (15122117)     39.35598
(17122709)     28.69588 (15020117)     20.82348 (15020117)
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 3603347.5 |     83.29595 (16013009)     53.46826 (16040807)     134.23871
(16040807)     45.37549 (15022408)     77.06605 (15012119)
 3603097.5 |     50.48207 (17010522)    209.72507 (17040307)     121.98666
(16121203)    145.00084 (17011308)    135.72136 (16121122)
 3602847.5 |    168.81006 (17120621)     94.97252 (16121022)      82.02640
(17122518)     91.66181 (16122817)     71.67024 (17121101)
 3602597.5 |     68.41490 (16121220)     83.42921 (15020908)      68.91312
(16010421)     67.82686 (17122518)     66.73778 (15013018)
 3602347.5 |     52.13549 (17010624)     55.21744 (17120621)      67.72605
(17021408)     53.02282 (16010421)     51.20279 (17122518)
 3602097.5 |     42.67143 (15021419)     40.69826 (17010406)      52.91893
(17120621)     50.09218 (17021408)     83.37989 (15011201)
 3601847.5 |     36.49172 (17011319)     36.85525 (15022808)      34.92851
(16121008)     44.12332 (15020908)     40.57426 (16121022)
 3601597.5 |     31.32920 (16122021)     37.90157 (15022808)      28.18498
(17010406)     36.07280 (17120621)     37.72032 (17021408)
 3601347.5 |     28.16903 (17031208)     29.78673 (15022808)      24.82426
(16121220)     25.22899 (16121008)     32.02446 (15020908)
 3601097.5 |     24.22680 (17031208)     23.68483 (17011319)      29.92747
(15022808)     21.54294 (16092807)     26.41561 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 585
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.07690 (16092207)      8.88258 (17121809)       7.29688
(17121809)      6.05713 (17032908)
 3605847.5 |      9.72748 (17121809)      7.95402 (17121809)       6.65514
(17032908)      6.51396 (15082707)
 3605597.5 |      8.75223 (17121809)      7.32633 (17032908)       6.87477
(15082707)      4.70297 (15082707)
 3605347.5 |      8.09227 (15082707)      6.97338 (15082707)       3.98413
(15082707)      6.94431 (17122309)
 3605097.5 |      6.78163 (16042804)      7.36653 (17122309)      10.79197
(17122309)     11.96991 (17122309)
 3604847.5 |     15.20145 (17032608)     14.39946 (16040707)      25.56465
(16040707)     31.20392 (16040707)
 3604597.5 |     37.23079 (16040707)     37.55071 (16040707)      28.19069
(16040707)     17.57020 (16040707)
 3604347.5 |     18.98865 (16040707)     11.67048 (17082707)      11.97682
(17082707)     11.63038 (17082707)
 3604097.5 |     17.53540 (16090707)     15.78131 (16090707)      13.98873
(16090707)     12.31449 (16090707)
 3603847.5 |     19.21360 (15062407)     17.45302 (15062407)      16.01900
(15062407)     14.82501 (15062407)
 3603597.5 |     19.92906 (15061907)     16.24329 (15061907)      13.49952
(15061907)     11.10370 (15061907)
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 3603347.5 |     34.75214 (15091922)     13.33666 (17082908)      9.12747
(17122709)      6.98092 (17122709)
 3603097.5 |     40.10900 (15022408)     24.51820 (15022408)     11.25647
(17122709)     10.82132 (17122709)
 3602847.5 |     92.82133 (15121020)     40.66928 (16040807)     34.32745
(15022408)     26.06520 (15022408)
 3602597.5 |     62.95862 (16010101)     26.73953 (16040807)     39.29115
(16040807)     34.30581 (16040807)
 3602347.5 |     54.07931 (15013018)     69.01353 (17010220)     35.05639
(16071324)     54.96412 (16040807)
 3602097.5 |     87.56526 (17040307)     38.77916 (17122124)     38.64720
(16122817)     36.31344 (17022804)
 3601847.5 |     68.90312 (16010601)     34.04061 (17122518)     30.83449
(17122124)     29.81539 (16122817)
 3601597.5 |     35.28401 (16121022)     30.23652 (16010601)     30.30701
(17122518)     25.21172 (17122124)
 3601347.5 |     31.77958 (17021408)     24.77078 (16121022)     25.51227
(17011224)     24.91675 (17122518)
 3601097.5 |     27.71639 (15020908)     25.57972 (17021408)     21.61508
(16010421)     23.34032 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 586
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC3      ***
                                 INCLUDING SOURCE(S):     SC3         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      589.70436  (16122808)
507708.67   3603932.32      174.01795  (17011708)
        506203.59   3603369.23       38.55849  (16021602)
507919.87   3604794.52      163.70980  (15011206)
        507037.89   3604916.08       71.97258  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 587
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC4      ***
                                 INCLUDING SOURCE(S):     SC4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.48893 (16020408)     14.29166 (15011008)     17.15666
(16012908)     19.65488 (16012908)     20.18398 (17020308)
 3605847.5 |     16.68675 (15040607)     15.73324 (15040607)     16.18260
(16020408)     18.05910 (15011008)     22.57794 (16012908)
 3605597.5 |     16.37789 (15040607)     18.61905 (15040607)     20.42081
(15040607)     20.03665 (15040607)     21.40873 (16020408)
 3605347.5 |     15.74768 (17012508)     15.93127 (15011608)     17.51949
(15040607)     20.13302 (15040607)     24.04885 (15040607)
 3605097.5 |     16.37061 (16122808)     17.12311 (17010407)     19.21143
(17012508)     19.25215 (17012508)     20.81856 (15011608)
 3604847.5 |     22.12540 (15040307)     23.07943 (15040307)     22.13779
(15040307)     20.70456 (16122808)     23.40817 (16122808)
 3604597.5 |     19.04391 (17092707)     20.08545 (17092707)     20.71257
(17092707)     24.05393 (15040307)     29.03628 (15040307)
 3604347.5 |     20.15360 (16040507)     20.57667 (16040507)     21.02996
(16040507)     21.44919 (16011421)     24.59150 (16011421)
 3604097.5 |     16.62626 (17011708)     18.81964 (17011708)     20.36738
(17011708)     22.50593 (17011708)     25.21917 (17011708)
 3603847.5 |     19.78650 (17021608)     21.13565 (17021608)     23.17876
(17021608)     24.33002 (17021608)     26.81001 (17122608)
 3603597.5 |     15.45176 (17021608)     16.34619 (15021102)     18.60945
(15021102)     20.67121 (15021102)     22.36688 (15021102)
 3603347.5 |     15.34808 (17122908)     17.00092 (17122908)     18.78257
(17122908)     20.18682 (17122908)     22.14108 (16010308)
 3603097.5 |     14.78249 (17011719)     16.08222 (17011719)     17.50539
(15012720)     19.99830 (16021602)     21.34164 (16021602)
 3602847.5 |     14.31703 (16021602)     15.48662 (16012803)     17.36606
(16012803)     18.85547 (16011702)     20.70789 (17120906)
 3602597.5 |     14.33409 (17120906)     15.46487 (15011506)     18.99328
(15092907)     23.39386 (15092907)     26.09076 (15092907)
 3602347.5 |     19.33312 (15092907)     21.60555 (15092907)     21.91671
(15092907)     19.66868 (15092907)     21.53609 (17092807)
 3602097.5 |     18.23110 (15092907)     15.49260 (15092907)     19.84615
(17092807)     24.09618 (17092807)     24.86263 (17092807)
 3601847.5 |     18.38996 (17092807)     21.56690 (17092807)     21.67198
(17092807)     26.93910 (15092707)     30.80792 (15092707)
 3601597.5 |     19.59561 (17092807)     23.32792 (15092707)     26.95351
(15092707)     26.20348 (15092707)     20.39803 (15092707)
 3601347.5 |     24.18479 (15092707)     24.61943 (15092707)     21.02028
(15092707)     14.51499 (15092707)     10.98157 (17122105)
 3601097.5 |     21.00626 (15092707)     16.10855 (15092707)     10.13502
(15092707)      9.87953 (15022607)     10.65974 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 588
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC4      ***
                                 INCLUDING SOURCE(S):     SC4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

Y-COORD (METERS)	X-COORD (METERS) 505368.86	505618.86	505868.86	506118.86	506368.86
3606097.5	28.38914 (17040507)	28.44430 (17040507)	27.49939 (17020108)	26.96897 (16121408)	40.22515 (16120208)
3605847.5	25.32312 (17020308)	28.29411 (17040507)	33.47083 (17040507)	31.02397 (17020108)	31.38828 (16121408)
3605597.5	23.74494 (16011506)	29.63350 (16012908)	32.06152 (17020308)	38.23629 (17040507)	35.33630 (17020108)
3605347.5	24.58303 (15121608)	27.15586 (16020408)	31.95347 (16011506)	39.11556 (17020308)	40.67422 (15021008)
3605097.5	23.14756 (15040607)	28.97127 (15040607)	32.08919 (15121608)	35.84573 (16020408)	44.13367 (16012908)
3604847.5	24.04683 (17012508)	26.54271 (17012508)	31.39064 (15011608)	34.75127 (17012703)	42.90583 (15121608)
3604597.5	28.25658 (15040307)	28.73981 (16122808)	31.19908 (16122808)	35.29940 (17012508)	42.23376 (17012508)
3604347.5	28.09419 (15122708)	31.94241 (17020524)	34.47832 (17020524)	34.61320 (15020702)	41.91169 (17013020)
3604097.5	28.52532 (17011708)	34.42948 (17011708)	37.55050 (17011708)	36.96583 (16120722)	41.13346 (16120722)
3603847.5	30.97866 (17122608)	34.09005 (17122608)	36.14090 (17122608)	41.65642 (17122608)	47.03970 (17122608)
3603597.5	25.46100 (16012807)	27.96953 (16012807)	30.86178 (15011603)	36.61082 (17122908)	46.74815 (17122908)
3603347.5	24.23269 (17021402)	27.30308 (17011719)	30.87616 (15012720)	36.88395 (16021602)	42.67602 (16021602)
3603097.5	22.79419 (16012803)	26.73075 (16011702)	30.05685 (17120906)	36.04813 (15011506)	42.62292 (16021406)
3602847.5	22.64664 (15011506)	29.44842 (15092907)	32.39238 (15092907)	34.62144 (17122824)	41.56903 (17121308)
3602597.5	25.61318 (15092907)	25.70143 (17010708)	32.42409 (17092807)	37.37794 (15092707)	50.68223 (15092707)
3602347.5	28.13514 (17092807)	29.63130 (15092707)	39.90823 (15092707)	40.05295 (15092707)	25.88962 (15092707)
3602097.5	32.23596 (15092707)	34.95536 (15092707)	28.65628 (15092707)	18.47809 (17122302)	20.23256 (15121422)
3601847.5	27.69335 (15092707)	18.95132 (15092707)	15.52517 (15022607)	17.08534 (15121422)	18.37050 (16020405)
3601597.5	12.55665 (17122302)	13.21790 (15012201)	14.55550 (17012504)	15.80880 (16020405)	16.50081 (17121505)
3601347.5	11.69428 (15012201)	12.58709 (17012504)	13.60128 (16020405)	14.23248 (17121505)	15.18121 (16121724)
3601097.5	11.36523 (17021905)	12.01360 (16020405)	12.71000 (17121505)	13.50624 (15120324)	14.09933 (16022007)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 589
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SC4 ***
INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 506618.86	506868.86	507118.86	507368.86	507618.86
3606097.5	49.25428 (16120208)	35.98287 (15121708)	58.12115 (17021308)	73.58682 (15021508)	68.40639 (17010724)
3605847.5	45.53763 (16120208)	54.68248 (16120208)	48.36873 (16010908)	78.96069 (15021508)	74.44534 (15121303)
3605597.5	36.97529 (17020202)	51.61348 (16120208)	56.74798 (16120208)	88.98488 (17011603)	95.02503 (15021508)
3605347.5	43.86709 (15121803)	47.00405 (17020108)	57.54423 (16120208)	62.85453 (15121708)	64.22311 (17021308)
3605097.5	52.22151 (17020308)	56.93178 (15120308)	69.63209 (17020108)	79.95696 (16120208)	84.78488 (15121708)
3604847.5	49.82116 (16020408)	68.07273 (16012908)	78.76636 (15021008)	105.59645 (17020108)	131.18477 (16120208)
3604597.5	50.42599 (15011608)	62.78117 (15121608)	78.47747 (16020408)	117.50701 (17020308)	156.00883 (17020108)
3604347.5	50.99007 (16122808)	58.67785 (16122808)	76.63906 (17012508)	103.04184 (15012401)	143.60726 (16020408)
3604097.5	49.20480 (16011421)	62.91779 (16011421)	81.17290 (17020524)	97.92236 (15020702)	144.40817 (16122808)
3603847.5	52.82044 (17122608)	64.55327 (17122608)	79.98778 (17122608)	106.76624 (17122608)	152.02370 (17122608)
3603597.5	53.52701 (17122908)	61.63348 (16010308)	76.90119 (17011719)	93.82609 (16021602)	127.61428 (17120906)
3603347.5	51.48770 (16011702)	58.36893 (15011506)	74.27668 (16021406)	99.38560 (17010708)	111.77479 (16122619)
3603097.5	49.68594 (17121720)	58.76960 (17010708)	66.71993 (16122619)	70.55643 (16021107)	63.85309 (15121422)
3602847.5	49.26012 (15092707)	59.06442 (15092707)	40.91038 (17122302)	45.78832 (17012504)	50.05052 (15013101)
3602597.5	41.02923 (15092707)	31.21729 (15022607)	36.06547 (17021905)	37.59889 (15013101)	42.13110 (16122704)
3602347.5	24.52271 (15012201)	27.56511 (16121224)	29.80303 (15013101)	32.30251 (17022221)	34.82351 (17010503)
3602097.5	21.70712 (16121224)	23.59350 (15013101)	25.43763 (17010801)	27.92811 (16120304)	32.41965 (16011119)
3601847.5	19.34041 (17121505)	21.59765 (17010801)	22.50857 (17012722)	27.96498 (17040807)	28.25066 (15041007)
3601597.5	17.85216 (17010801)	19.18073 (16122704)	20.06363 (17011624)	23.02424 (16011119)	37.76529 (17020408)
3601347.5	16.26611 (16122704)	17.36577 (16120304)	24.17027 (17040807)	23.47809 (15041007)	43.19056 (17020408)
3601097.5	15.13453 (17012722)	20.34509 (17040807)	18.01356 (17022603)	27.31189 (17020408)	42.37172 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** *** *** 16:35:25

PAGE 590
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SC4 ***
INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3 **

```
 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |      507868.86                 508118.86                 508368.86
508618.86             508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     34.65862 (17070706)     43.09695 (17022408)     20.24199
(17022408)     12.68962 (16112208)     39.40333 (17032607)
 3605847.5 |     79.56695 (17021508)     99.21753 (16120908)     49.18752
(17022408)     31.61630 (15111919)     88.35147 (17032607)
 3605597.5 |     85.70392 (17021508)     54.56655 (16021807)     58.31670
(16120106)     65.54813 (15010907)     92.55849 (17032607)
 3605347.5 |     58.43472 (17010208)     64.19163 (16021807)     71.48522
(17022408)     36.32479 (16091507)    115.75861 (17120924)
 3605097.5 |    101.10592 (15021508)    127.28869 (16012808)     41.67633
(17022408)     28.68333 (17032607)     32.31002 (17032607)
 3604847.5 |    173.74581 (17021401)    159.41203 (17010724)     89.15174
(17022408)     46.97116 (17032607)     16.12251 (17032607)
 3604597.5 |    187.46802 (15120408)    176.72262 (15021508)     68.83755
(15092607)     92.72972 (17032607)     39.47022 (16111708)
 3604347.5 |    217.68206 (15021008)    318.79123 (15123008)    225.43873
(17021508)    224.52658 (17032607)     61.37126 (15022723)
 3604097.5 |    234.83482 (15011608)    424.19840 (16012908)    849.68950
(15121708)   1029.35421 (16120120)    358.64773 (17120708)
 3603847.5 |    242.92654 (17122608)    407.77660 (17122608)   1189.58461
(17122608)   4337.64172 (17022520)    330.65765 (15012017)
 3603597.5 |    201.86990 (17121720)    297.56872 (16021107)    385.32698
(17012722)    338.97018 (17062006)    213.78753 (16013009)
 3603347.5 |    103.54632 (16011206)    133.04352 (17010801)    217.22681
(16010102)    310.52652 (17122218)     98.24419 (16022919)
 3603097.5 |     76.95262 (15120324)    100.31512 (17022103)    124.57879
(15012823)    182.71934 (16022219)    168.24334 (16121220)
 3602847.5 |     59.57666 (16120304)     76.41632 (17020408)     80.95949
(15022601)     99.19189 (16022219)     96.22033 (15021419)
 3602597.5 |     51.79154 (17022103)     81.00475 (17020408)     61.95368
(17122005)     73.06734 (17122205)     70.00372 (16122021)
 3602347.5 |     42.03289 (16021904)     60.91964 (17020408)     48.00384
(16122020)     57.19823 (17122205)     55.54305 (15020321)
 3602097.5 |     55.04368 (17020408)     38.96651 (17020408)     38.27188
(16022802)     45.62938 (17121519)     44.84095 (17121306)
 3601847.5 |     54.85758 (17020408)     30.96412 (17122619)     31.92695
(16012923)     37.87023 (17121519)     37.38515 (15021622)
 3601597.5 |     45.60914 (17020408)     26.48683 (16011319)     26.98608
(16012923)     32.16679 (17121519)     32.24076 (16112308)
 3601347.5 |     34.35998 (17020408)     23.01899 (15022601)     23.69400
(17010402)     27.82353 (15121123)     30.42534 (16112308)
 3601097.5 |     23.80377 (17020408)     20.74810 (16010118)     21.13841
(17010402)     24.57344 (15121123)     27.80893 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 591
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC4       ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**
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```
 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |      509118.86                 509368.86                 509618.86
509868.86             510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.46014 (17032607)     12.31832 (15121322)     10.28216
(16111708)      7.75579 (17020109)      5.53877 (17020109)
 3605847.5 |     11.88683 (16010705)     63.77066 (15122821)     15.66688
(16083007)      7.23882 (17020109)      8.65369 (16092207)
 3605597.5 |     65.21970 (15021924)     59.14814 (15080402)     30.26464
(16101307)     17.85620 (16092207)     10.62457 (17121809)
 3605347.5 |     86.40117 (15033023)     76.14888 (15072101)     78.63707
(17022521)     18.27200 (16092207)      9.93886 (17121809)
 3605097.5 |     26.36444 (16083007)     12.14014 (15022224)     23.06473
(16092207)     47.34989 (17090523)     13.26842 (15110508)
 3604847.5 |     16.42571 (16111708)     16.50382 (16092207)     13.08735
(17121809)     11.72871 (15022724)     15.12001 (15022818)
 3604597.5 |     24.36726 (16092207)     15.69676 (17121809)     11.23624
(15082707)     16.13050 (17032608)     21.00283 (17032608)
 3604347.5 |     34.34839 (15082707)     31.96120 (15022818)     41.23536
(17032608)     51.95286 (16040707)     39.89138 (16040707)
 3604097.5 |    159.41003 (16040707)     65.63087 (16040707)     23.98647
(17032307)     19.08970 (17082707)     18.05360 (16090707)
 3603847.5 |    153.01634 (15012017)     80.06394 (15012017)     33.71859
(17030408)     23.99187 (15062407)     21.09366 (15062407)
 3603597.5 |     95.27811 (15022408)     45.80645 (15122117)     37.24021
(17122709)     29.65669 (15020117)     21.14494 (15061907)
 3603347.5 |     97.20294 (16013009)     64.47508 (16040807)    128.38647
(16100807)     40.54624 (15022408)     70.65217 (15012119)
 3603097.5 |     52.93759 (17020419)    221.36385 (17040307)    122.92188
(17022804)    138.62371 (17011308)    134.38231 (16121122)
 3602847.5 |    184.61966 (17120621)     94.22867 (16121022)     81.35823
(16121120)     91.57415 (16121203)     74.30510 (17121101)
 3602597.5 |     68.86696 (17010406)     84.80676 (15020908)     71.43731
(16010421)     67.37847 (16121120)     67.55472 (16122817)
 3602347.5 |     52.92961 (15011507)     58.73603 (17120621)     68.43886
(17021408)     53.65629 (16010601)     50.73590 (16121120)
 3602097.5 |     43.33849 (15021419)     41.34209 (17010406)     53.42711
(17120621)     49.16139 (17021408)     85.32193 (15011201)
 3601847.5 |     37.06965 (17011319)     35.79180 (15022808)     36.57371
(17120621)     44.39419 (15020908)     41.14923 (16121022)
 3601597.5 |     31.68954 (16122021)     38.30378 (15022808)     28.41527
(17010406)     36.87208 (17120621)     38.22474 (17021408)
 3601347.5 |     28.47912 (17031208)     30.95241 (15022808)     25.05179
(16121220)     25.58385 (16121008)     32.87375 (15020908)
 3601097.5 |     24.77941 (17031208)     23.84933 (16022321)     29.59652
(15022808)     21.85502 (16092807)     27.20086 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 592
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC4       ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**
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```
  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      510368.86               510618.86               510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     8.04823 (16092207)      8.83210 (17121809)      7.40331
(17121809)      5.99526 (17032908)
 3605847.5 |     9.64889 (17121809)      8.08019 (17121809)      6.60259
(17032908)      6.50864 (15082707)
 3605597.5 |     8.90566 (17121809)      7.29316 (17032908)      6.93317
(15082707)      4.88996 (15082707)
 3605347.5 |     8.06357 (17032908)      7.12709 (15082707)      4.22044
(15082707)      6.51302 (17122309)
 3605097.5 |     6.87563 (15082707)      6.79966 (17122309)     10.33366
(17122309)     11.82231 (17122309)
 3604847.5 |    13.89445 (17032608)     13.99606 (17122309)     23.58113
(16040707)     30.32971 (16040707)
 3604597.5 |    34.97303 (16040707)     37.80703 (16040707)     29.92629
(16040707)     19.42839 (16040707)
 3604347.5 |    21.98480 (16040707)     11.03549 (17082707)     11.60207
(17082707)     11.47613 (17082707)
 3604097.5 |    17.30547 (16090707)     15.92272 (16090707)     14.33905
(16090707)     12.77034 (16090707)
 3603847.5 |    18.89320 (15062407)     17.15649 (15062407)     15.74523
(15062407)     14.57203 (15062407)
 3603597.5 |    20.72783 (15061907)     16.35540 (15061907)     13.28362
(15061907)     11.55864 (17042907)
 3603347.5 |    33.01259 (15091922)     13.51427 (17082908)      8.60188
(17122709)      6.49650 (17122709)
 3603097.5 |    38.42312 (15022408)     21.49965 (15022408)     11.44826
(17122709)     10.76775 (17122709)
 3602847.5 |    97.99702 (15121020)     38.41244 (16040807)     33.95017
(15022408)     24.09852 (15022408)
 3602597.5 |    60.60739 (17062906)     29.72485 (16040807)     40.07288
(16040807)     32.63230 (16040807)
 3602347.5 |    55.45874 (15013018)     66.09930 (17010220)     34.74810
(16071324)     59.00674 (16040807)
 3602097.5 |    91.05706 (17040307)     38.70202 (17122124)     39.23008
(16121203)     36.12688 (17022804)
 3601847.5 |    69.76914 (16010601)     33.81216 (17122518)     31.08510
(17122124)     30.12503 (16122817)
 3601597.5 |    35.14851 (16121022)     30.63249 (17011224)     30.17189
(17122518)     25.59179 (17122124)
 3601347.5 |    31.62605 (17021408)     24.48533 (16010421)     25.83417
(17011224)     24.81491 (17122518)
 3601097.5 |    27.74378 (15020908)     25.11454 (17021408)     22.15052
(16010421)     23.56045 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 593
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC4      ***
                                  INCLUDING SOURCE(S):     SC4         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      596.73450  (17012508)
507708.67   3603932.32      171.41244  (17011708)
        506203.59   3603369.23       38.77026  (16021602)
507919.87   3604794.52      157.48934  (15122808)
        507037.89   3604916.08       72.38669  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 594
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC5      ***
                                  INCLUDING SOURCE(S):     SC5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      504118.86               504368.86               504618.86
504868.86               505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |    13.64078 (15010408)     14.22147 (16020408)     16.57297
(16120805)     19.85986 (16012908)     21.06619 (17020308)
 3605847.5 |    17.12403 (15040607)     16.67652 (15040607)     16.35362
(15010408)     17.57149 (15011008)     21.59599 (16012908)
 3605597.5 |    15.67045 (15040607)     18.33814 (15040607)     20.78116
(15040607)     21.17451 (15040607)     21.60863 (15010408)
 3605347.5 |    15.94729 (17012508)     15.58098 (15012821)     16.99591
(15011608)     19.50202 (15040607)     24.19616 (15040607)
 3605097.5 |    17.62103 (16021108)     17.33700 (16122808)     18.68884
(17012508)     19.58479 (17012508)     20.55244 (15011608)
 3604847.5 |    21.38611 (15040307)     23.17071 (15040307)     23.24306
(15040307)     22.25691 (15040307)     24.12196 (16122808)
 3604597.5 |    18.31417 (17092707)     19.85784 (17092707)     21.15342
(17092707)     22.31602 (17092707)     27.15599 (15040307)
 3604347.5 |    20.21310 (16040507)     21.03906 (16040507)     21.99141
(16040507)     22.87208 (16040507)     24.33253 (16011421)
 3604097.5 |    16.11361 (17121406)     18.10262 (17011708)     19.72690
(17011708)     21.96529 (17011708)     24.83311 (17011708)
 3603847.5 |    20.55367 (17021608)     21.94339 (17021608)     24.03920
(17021608)     25.22029 (17021608)     27.51113 (17021608)
 3603597.5 |    15.08956 (15021102)     16.41257 (15021102)     18.48317
(15021102)     20.40906 (16012807)     22.24448 (16012807)
 3603347.5 |    15.38704 (17122908)     16.80546 (17122908)     18.30335
(16010308)     19.88154 (16010308)     21.62906 (17021402)
 3603097.5 |    14.73371 (17011719)     15.96120 (15012720)     17.28829
(15012720)     19.90902 (16021602)     20.57806 (16021602)
 3602847.5 |    14.00695 (16012803)     15.49743 (16012803)     17.36934
(16011702)     18.87102 (17120906)     20.55909 (15011506)
 3602597.5 |    14.20758 (17120906)     15.81058 (15092907)     20.53662
(15092907)     24.14920 (15092907)     25.51066 (15092907)
 3602347.5 |    20.00847 (15092907)     21.46163 (15092907)     20.77342
(15092907)     17.66739 (15092907)     23.26117 (17092807)
```

```
 3602097.5 |     16.92295 (15092907)     15.76895 (17092807)     21.07201
(17092807)     24.19284 (17092807)     25.94018 (15092707)
 3601847.5 |     19.28627 (17092807)     21.57384 (17092807)     21.66649
(15092707)     27.79504 (15092707)     30.05417 (15092707)
 3601597.5 |     18.82666 (15092707)     24.23327 (15092707)     26.73767
(15092707)     24.69448 (15092707)     18.16857 (15092707)
 3601347.5 |     24.27315 (15092707)     23.67154 (15092707)     19.28370
(15092707)     12.65692 (15092707)     10.77249 (17122105)
 3601097.5 |     19.69837 (15092707)     14.46995 (15092707)      9.24208
(17122302)      9.76854 (15022607)     10.54365 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 595
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC5      ***
                                INCLUDING SOURCE(S):     SC5         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.11920 (17040507)     29.97304 (17040507)     27.32553
(17020108)     26.61620 (17020202)     37.31810 (16120208)
 3605847.5 |     25.19337 (17020308)     25.76218 (17040507)     34.02745
(17040507)     30.16405 (17020108)     31.51927 (17020108)
 3605597.5 |     23.14525 (15011008)     28.94295 (16012908)     33.12502
(17020308)     37.00568 (17040507)     33.99410 (15013124)
 3605347.5 |     25.11994 (15040607)     27.37035 (15010408)     30.65117
(15011008)     39.07383 (16012908)     40.63641 (17020308)
 3605097.5 |     22.70714 (15011608)     28.64015 (15040607)     31.46820
(15121608)     36.09357 (15010408)     41.24409 (16011506)
 3604847.5 |     23.19351 (17012508)     27.05952 (17012508)     31.31944
(15011608)     34.63641 (17121424)     41.14771 (15121608)
 3604597.5 |     27.91021 (15040307)     30.14866 (15040307)     31.44764
(16122808)     35.14288 (16122808)     42.95976 (17012508)
 3604347.5 |     27.99407 (16011421)     31.77113 (15122708)     34.34856
(17020524)     34.71301 (16020401)     41.51989 (15020702)
 3604097.5 |     28.39522 (17011708)     34.73024 (17011708)     38.56636
(17011708)     38.40972 (17011708)     42.27659 (17011708)
 3603847.5 |     30.15751 (17122608)     33.09850 (17122608)     35.02924
(17122608)     40.20884 (17122608)     45.24568 (17122608)
 3603597.5 |     25.31575 (16012807)     27.84024 (15011603)     31.61060
(17122908)     37.10861 (17122908)     45.78343 (17122908)
 3603347.5 |     24.09338 (17011719)     26.90159 (15012720)     30.46286
(15012720)     36.13253 (16021602)     42.32814 (16012803)
 3603097.5 |     22.86760 (16012803)     26.64758 (16011702)     29.57040
(17120906)     35.29194 (17122623)     41.37242 (16121801)
 3602847.5 |     24.55030 (15092907)     30.23501 (15092907)     30.79763
(15092907)     34.45250 (17010708)     42.20072 (17121308)
 3602597.5 |     23.49503 (15092907)     26.28671 (17092807)     32.98903
(17092807)     40.43543 (15092707)     49.49638 (15092707)
 3602347.5 |     28.38729 (17092807)     32.12095 (15092707)     40.06537
(15092707)     36.75981 (15092707)     22.10589 (17122302)
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 3602097.5 |     32.90986 (15092707)     33.29005 (15092707)     25.21182
(15092707)     18.06948 (17122105)     19.82924 (15121422)
 3601847.5 |     25.37729 (15092707)     16.20068 (15092707)     15.28374
(15022607)     16.88812 (17012504)     18.11449 (16020405)
 3601597.5 |     12.24975 (17122302)     13.10363 (15012201)     14.25627
(17012504)     15.53627 (16020405)     16.23029 (15013101)
 3601347.5 |     11.66758 (15121422)     12.47614 (17021905)     13.33738
(16020405)     13.91740 (15013101)     14.97505 (17010801)
 3601097.5 |     11.20369 (17021905)     11.76050 (16020405)     12.35247
(15013101)     13.21197 (16121724)     13.91876 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 596
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC5      ***
                                INCLUDING SOURCE(S):     SC5         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     51.03139 (16120208)     37.59123 (15121708)     52.31009
(17021308)     75.46938 (15021508)     69.58436 (17010724)
 3605847.5 |     42.20318 (16120208)     57.76191 (16120208)     48.73487
(16010908)     80.45187 (15120107)     73.04386 (16040801)
 3605597.5 |     39.52914 (17020108)     47.81426 (16120208)     61.69786
(16120208)     87.74574 (17021107)     97.84006 (15021508)
 3605347.5 |     44.13439 (16011607)     50.33900 (17020108)     53.35909
(16120208)     62.13991 (16120708)     64.80265 (15122808)
 3605097.5 |     53.24668 (17020308)     58.07503 (15021008)     71.73179
(17020108)     74.06400 (16120208)     89.03043 (15121708)
 3604847.5 |     50.17351 (15010408)     64.63278 (16012908)     79.64889
(17020308)    103.34879 (17020108)    124.90810 (15121208)
 3604597.5 |     51.88710 (15011608)     60.48011 (15012401)     79.13620
(15010408)    116.68273 (16012908)    147.56874 (16011607)
 3604347.5 |     49.54753 (16011108)     61.17942 (16122808)     78.02250
(17012508)    104.85368 (15011608)    146.08740 (15010408)
 3604097.5 |     49.67152 (16120722)     61.60529 (16120722)     80.60837
(16011421)     98.04555 (17020524)    135.85890 (17013020)
 3603847.5 |     50.71306 (17122608)     61.40884 (17122608)     75.27785
(17122608)     98.35933 (17122608)    135.39794 (17122608)
 3603597.5 |     51.49048 (16010308)     59.82522 (17011719)     75.17184
(16021602)     90.43970 (16012803)    124.50303 (15011506)
 3603347.5 |     51.10697 (17120906)     56.88077 (17122623)     72.55754
(17121720)     97.93285 (17121308)    108.02040 (16021107)
 3603097.5 |     48.68448 (17122824)     58.42099 (17121308)     66.56290
(15092707)     59.18029 (16021107)     61.40809 (17012504)
 3602847.5 |     52.97997 (15092707)     55.04930 (15092707)     39.25850
(16011206)     44.34430 (17021905)     48.76277 (15120324)
 3602597.5 |     35.52282 (15092707)     30.41622 (15022607)     35.12768
(16121224)     36.75681 (15120324)     40.35677 (17012722)
 3602347.5 |     24.35235 (15121422)     26.85075 (16121224)     29.22537
(15013101)     31.73413 (16122704)     34.27202 (17022103)
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 3602097.5 |     21.30094 (16020405)     23.33168 (15013101)     24.65127
(16021923)     27.10104 (17011624)     31.43029 (16011119)
 3601847.5 |     19.13260 (15013101)     21.05120 (17010801)     22.13119
(17012722)     27.84745 (17040807)     28.05574 (15041007)
 3601597.5 |     17.64326 (17010801)     18.64935 (16122704)     21.10124
(17040807)     22.43727 (17022603)     38.48120 (17020408)
 3601347.5 |     16.09484 (16122704)     16.96165 (16120304)     23.61705
(17040807)     23.44892 (15041007)     43.08149 (17020408)
 3601097.5 |     14.84468 (17012722)     20.82913 (17040807)     17.74111
(17022603)     28.05326 (17020408)     41.67776 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 597
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC5      ***
                                INCLUDING SOURCE(S):     SC5         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.53010 (17070706)     41.54897 (17022408)     21.35436
(17022408)     13.14400 (16112208)     40.01115 (17032607)
 3605847.5 |     82.76958 (17021508)    104.32874 (16120908)     51.71370
(17022408)     33.62602 (15111919)     89.68296 (17032607)
 3605597.5 |     82.17055 (17021508)     58.12904 (16021807)     60.39916
(16120106)     67.89015 (15010907)     93.68076 (17032607)
 3605347.5 |     64.78977 (15021508)     67.57696 (17021508)     73.90520
(17022408)     36.54920 (16091507)    123.37876 (17120924)
 3605097.5 |    101.27021 (15021508)    133.85308 (16012808)     42.19667
(17022408)     28.96254 (17032607)     31.64938 (17032607)
 3604847.5 |    188.01264 (16010908)    169.25651 (15121303)     86.24691
(17022408)     48.78868 (17032607)     16.54802 (15022208)
 3604597.5 |    190.92779 (15121208)    165.02098 (15021508)     68.92452
(15013009)    101.01092 (17032607)     44.51553 (16111708)
 3604347.5 |    229.92744 (17020308)    329.41912 (15120408)    247.31867
(16011719)    260.26926 (17032607)     70.74618 (15022723)
 3604097.5 |    235.05035 (17012508)    389.30980 (15121608)    904.05411
(15120408)   1335.06330 (16120120)    371.61500 (15051906)
 3603847.5 |    210.25643 (15021102)    367.67437 (17122908)   1008.86354
(16021602)   3577.98877 (16121203)    358.12742 (15012717)
 3603597.5 |    196.27619 (17010708)    237.84896 (16021107)    335.09458
(17022103)    336.36425 (16021308)    167.95076 (16013009)
 3603347.5 |     99.31266 (15121422)    122.72082 (17010801)    197.17042
(16010102)    277.29955 (17122218)     95.90281 (17012108)
 3603097.5 |     72.85428 (17010801)     95.17684 (17022103)    115.40237
(15012823)    170.43260 (16022219)    156.87851 (15011507)
 3602847.5 |     57.03118 (17011624)     78.47506 (17020408)     76.67307
(15022601)     93.83141 (17122205)     91.08692 (16022321)
 3602597.5 |     49.96724 (16011119)     78.78253 (17020408)     59.20879
(17122005)     69.83525 (17122205)     67.04082 (16122021)
 3602347.5 |     43.47324 (17020408)     58.03636 (17020408)     46.20046
(16122020)     54.81687 (17122205)     53.44092 (16121418)
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 3602097.5 |     55.22680 (17020408)     36.87984 (17020408)     37.03266
(16022802)     44.21191 (17121519)     43.51476 (17121306)
 3601847.5 |     53.76129 (17020408)     30.10825 (17122619)     30.99834
(16012923)     36.76033 (17121519)     36.29208 (15021622)
 3601597.5 |     44.12901 (17020408)     25.79503 (16011319)     26.30328
(16012923)     31.37882 (15121123)     32.04399 (16112308)
 3601347.5 |     33.01736 (17020408)     22.48377 (16010118)     23.12194
(17010402)     27.26241 (15121123)     30.00994 (16112308)
 3601097.5 |     22.80719 (17020408)     20.28941 (16010118)     20.67447
(17010402)     24.09813 (15121123)     27.29036 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 598
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC5      ***
                                INCLUDING SOURCE(S):     SC5         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.09747 (17032607)     12.47098 (16083007)     10.30869
(16111708)      7.80252 (17020109)      5.43426 (16092207)
 3605847.5 |     12.25769 (16010705)     64.96420 (15122821)     15.28535
(16083007)      7.47274 (15022224)      8.91229 (16092207)
 3605597.5 |     68.33172 (15021924)     63.36512 (15052306)     34.92301
(16101307)     19.03562 (16092207)     10.87693 (17121809)
 3605347.5 |     89.58922 (15033023)     86.48114 (17032207)     79.89857
(17022521)     16.80711 (16092207)      9.41914 (17121809)
 3605097.5 |     27.02040 (16083007)     12.94128 (15022224)     21.72103
(16092207)     49.87080 (15090405)     13.81028 (15110508)
 3604847.5 |     15.21691 (16111708)     16.44155 (16092207)     12.10641
(17121809)     11.29480 (15022724)     15.40093 (15022818)
 3604597.5 |     27.17503 (16092207)     14.28657 (17032908)      9.95517
(15082707)     21.26565 (17032608)     27.36142 (16040707)
 3604347.5 |     38.63392 (15082707)     28.83952 (17032608)     48.69383
(16040707)     51.97232 (16040707)     32.20761 (16040707)
 3604097.5 |    195.20242 (16040707)     45.58667 (17082707)     25.91241
(16020417)     21.45539 (17091207)     19.47483 (16090707)
 3603847.5 |    150.91239 (17012817)     67.83267 (15012317)     32.65519
(15012317)     23.93292 (15062407)     22.06885 (17042907)
 3603597.5 |    113.72843 (16040807)     53.54933 (15022408)     40.93833
(17122709)     27.77173 (16121017)     22.79955 (15020117)
 3603347.5 |     64.79894 (16013009)     57.53509 (16041107)    141.67323
(16040807)     49.48357 (15022408)     78.73293 (15012119)
 3603097.5 |     53.52246 (16021820)    197.23231 (17040307)    122.64942
(16121203)    145.44224 (17011308)    130.15006 (16121122)
 3602847.5 |    126.93564 (17120621)     93.78480 (16121022)     82.84468
(17122518)     90.18507 (16122817)     71.00321 (17022804)
 3602597.5 |     67.66845 (16121220)     80.91215 (15020908)     67.03751
(15021604)     68.17749 (17122518)     65.31161 (15013018)
 3602347.5 |     51.53271 (15022808)     51.52534 (17120621)     66.47295
(17021408)     51.85442 (16010421)     51.37485 (17122518)
```

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 3602097.5 |     41.82063 (15021419)     39.90450 (17010406)     52.06094
(17120621)     50.70075 (17021408)     80.31533 (15011201)
 3601847.5 |     36.01356 (15011921)     37.65259 (15022808)     34.33702
(16121008)     43.53573 (15020908)     39.77420 (16121022)
 3601597.5 |     30.89793 (16122021)     37.40557 (15022808)     27.86132
(17010406)     35.10643 (17120621)     37.01812 (17021408)
 3601347.5 |     27.85172 (17031208)     28.72131 (15022808)     24.96871
(15022808)     24.81107 (16121008)     31.18437 (17120621)
 3601097.5 |     23.89472 (16121418)     23.48817 (17011319)     30.13197
(15022808)     21.25697 (17010406)     25.57352 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 599
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC5      ***
                                INCLUDING SOURCE(S):     SC5         ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.07308 (16092207)      8.92510 (17121809)      7.12092
(17121809)      6.12477 (17032908)
 3605847.5 |      9.80356 (17121809)      7.74391 (17121809)      6.70379
(17032908)      6.48973 (15082707)
 3605597.5 |      8.49473 (17121809)      7.33978 (17032908)      6.75614
(15082707)      4.43455 (15082707)
 3605347.5 |      8.25447 (15082707)      6.72057 (15082707)      4.39395
(17122309)      7.51445 (17122309)
 3605097.5 |      7.28417 (16042804)      8.12982 (17122309)     11.34208
(17122309)     12.08096 (17122309)
 3604847.5 |     16.84342 (17032608)     17.12418 (16040707)     27.97305
(16040707)     31.93888 (16040707)
 3604597.5 |     39.53182 (16040707)     36.53949 (16040707)     25.68944
(16040707)     15.23334 (16040707)
 3604347.5 |     15.38678 (16040707)     12.36828 (17082707)     12.33146
(17082707)     11.71583 (17082707)
 3604097.5 |     17.45232 (16090707)     15.33356 (16090707)     13.36317
(16090707)     11.61995 (16090707)
 3603847.5 |     19.74385 (17042907)     17.48886 (15062407)     16.09769
(15062407)     14.92871 (15062407)
 3603597.5 |     18.52869 (15061907)     15.73539 (15061907)     13.48538
(15061907)     11.34729 (15061907)
 3603347.5 |     34.65406 (15091922)     13.61227 (16011417)      9.69605
(17122709)      7.53596 (17122709)
 3603097.5 |     41.04278 (15022408)     27.85094 (15022408)     13.27209
(15022408)     10.80371 (17122709)
 3602847.5 |     96.99563 (17011308)     42.57502 (16040807)     34.13651
(15022408)     28.03943 (15022408)
 3602597.5 |     62.51139 (16010101)     23.39672 (16040807)     37.87006
(16040807)     35.79921 (16040807)
 3602347.5 |     53.82895 (17122124)     70.09819 (17010220)     34.48595
(16071324)     54.62870 (17011308)
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 3602097.5 |     82.48279 (17040307)     38.60193 (17122124)     38.65683
(16122817)     36.23174 (17022804)
 3601847.5 |     67.42589 (16010601)     34.08510 (17122518)     30.37850
(17122124)     29.35155 (16122817)
 3601597.5 |     35.27883 (16121022)     30.05535 (16010601)     30.31970
(17122518)     24.65833 (17122124)
 3601347.5 |     31.79303 (17021408)     25.15908 (16121022)     25.17252
(16010601)     24.92402 (17122518)
 3601097.5 |     27.53258 (15020908)     25.96369 (17021408)     20.94697
(16010421)     23.02977 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 600
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC5      ***
                                INCLUDING SOURCE(S):     SC5         ,

                                         *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      565.17110  (16020401)
507708.67   3603932.32      169.95027  (17011708)
        506203.59   3603369.23       38.09853  (16021602)
507919.87   3604794.52      168.49362  (15011206)
        507037.89   3604916.08       71.28576  (17010508)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 601
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC6      ***
                                INCLUDING SOURCE(S):     SC6         ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.64788 (15010408)     14.24343 (16020408)     16.50232
(16120805)     19.82832 (16012908)     21.10686 (17020308)
 3605847.5 |     17.14146 (15040607)     16.74438 (15040607)     16.35924
(15010408)     17.59626 (16020408)     21.42937 (16012908)
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 3605597.5 |     15.58583 (15040607)     18.28460 (15040607)     20.78031
(15040607)     21.24753 (15040607)     21.60023 (15010408)
 3605347.5 |     15.92861 (17012508)     15.59382 (17012508)     16.99238
(15011608)     19.41170 (15040607)     24.16221 (15040607)
 3605097.5 |     17.73107 (16021108)     17.35769 (16122808)     18.59854
(17012508)     19.56281 (17012508)     20.46915 (15011608)
 3604847.5 |     21.28813 (15040307)     23.12671 (15040307)     23.27544
(15040307)     22.37563 (15040307)     24.10729 (16122808)
 3604597.5 |     18.22883 (17092707)     19.80052 (17092707)     21.13721
(17092707)     22.35527 (17092707)     26.94523 (15040307)
 3604347.5 |     20.17833 (16040507)     21.02632 (16040507)     22.00672
(16040507)     22.92365 (16040507)     24.24110 (16011421)
 3604097.5 |     16.07056 (17121406)     18.05143 (17121406)     19.64163
(17011708)     21.87628 (17011708)     24.73951 (17011708)
 3603847.5 |     20.55559 (17021608)     21.94162 (17021608)     24.03103
(17021608)     25.20734 (17021608)     27.48855 (17021608)
 3603597.5 |     15.06683 (15021102)     16.37935 (15021102)     18.43217
(15021102)     20.37743 (16012807)     22.19413 (16012807)
 3603347.5 |     15.35855 (17122908)     16.76225 (17122908)     18.26653
(16010308)     19.82543 (16010308)     21.57696 (17021402)
 3603097.5 |     14.70347 (17011719)     15.93501 (15012720)     17.24404
(15012720)     19.85791 (16021602)     20.50425 (16021602)
 3602847.5 |     13.99145 (16012803)     15.46684 (16012803)     17.33389
(16011702)     18.83193 (17120906)     20.51280 (15011506)
 3602597.5 |     14.17820 (17120906)     15.82690 (15092907)     20.53678
(15092907)     24.12537 (15092907)     25.46091 (15092907)
 3602347.5 |     19.99483 (15092907)     21.43075 (15092907)     20.72889
(15092907)     17.61894 (15092907)     23.23636 (17092807)
 3602097.5 |     16.88520 (15092907)     15.76164 (17092807)     21.05061
(17092807)     24.15953 (17092807)     25.89524 (15092707)
 3601847.5 |     19.26759 (17092807)     21.54690 (17092807)     21.63382
(15092707)     27.75233 (15092707)     30.01594 (15092707)
 3601597.5 |     18.80062 (15092707)     24.19861 (15092707)     26.70471
(15092707)     24.67649 (15092707)     18.17254 (15092707)
 3601347.5 |     24.24344 (15092707)     23.65095 (15092707)     19.27961
(15092707)     12.66754 (15092707)     10.75398 (17122105)
 3601097.5 |     19.68881 (15092707)     14.47389 (15092707)      9.22664
(17122302)      9.75062 (15022607)     10.52377 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 602
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC6      ***
                                 INCLUDING SOURCE(S):     SC6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.90453 (17040507)     30.07917 (17040507)     27.20828
(17020108)     26.60875 (17020202)     36.80973 (16120208)
 3605847.5 |     25.09977 (17020308)     25.41094 (17040507)     33.98781
(17040507)     29.93770 (17020108)     31.78099 (17020108)
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 3605597.5 |     23.02162 (15011008)     28.76514 (16012908)     33.11724
(17020308)     36.73128 (17040507)     33.93394 (15013124)
 3605347.5 |     25.18980 (15040607)     27.35017 (15010408)     30.50523
(15011008)     38.94571 (16012908)     40.88166 (17020308)
 3605097.5 |     22.73603 (15011608)     28.54154 (15040607)     31.28883
(15121608)     36.04841 (15010408)     40.89264 (16011506)
 3604847.5 |     23.05474 (17012508)     27.01394 (17012508)     31.18642
(15011608)     34.60316 (17121424)     40.78625 (15121608)
 3604597.5 |     27.80232 (15040307)     30.17053 (15040307)     31.35358
(16122808)     35.20487 (16122808)     42.81725 (17012508)
 3604347.5 |     27.92935 (16011421)     31.65760 (15122708)     34.20201
(17020524)     34.58079 (16020401)     41.35800 (15020702)
 3604097.5 |     28.29810 (17011708)     34.62375 (17011708)     38.47754
(17011708)     38.38758 (17011708)     42.32817 (17011708)
 3603847.5 |     30.05520 (17021608)     32.93282 (17122608)     34.84642
(17122608)     39.97482 (17122608)     44.95966 (17122608)
 3603597.5 |     25.23249 (16012807)     27.77560 (15011603)     31.55839
(17122908)     36.99427 (17122908)     45.54855 (17122908)
 3603347.5 |     24.04210 (17011719)     26.84619 (15012720)     30.35129
(15012720)     35.97726 (16021602)     42.16529 (16012803)
 3603097.5 |     22.81083 (16012803)     26.56782 (16011702)     29.47272
(15011506)     35.16817 (17122623)     41.21477 (16121801)
 3602847.5 |     24.54958 (15092907)     30.19073 (15092907)     30.71350
(15092907)     34.34572 (17010708)     42.04428 (17121308)
 3602597.5 |     23.42871 (15092907)     26.25661 (17092807)     32.92844
(17092807)     40.33646 (15092707)     49.38524 (15092707)
 3602347.5 |     28.34136 (17092807)     32.05480 (15092707)     39.98646
(15092707)     36.71944 (15092707)     22.04036 (17122302)
 3602097.5 |     32.85334 (15092707)     33.24907 (15092707)     25.21047
(15092707)     18.02415 (17122105)     19.77817 (15121422)
 3601847.5 |     25.36480 (15092707)     16.21550 (15092707)     15.24792
(15022607)     16.84414 (17012504)     18.06718 (16020405)
 3601597.5 |     12.22768 (17122302)     13.07422 (15012201)     14.22858
(17012504)     15.50254 (16020405)     16.17722 (15013101)
 3601347.5 |     11.64007 (15121422)     12.44826 (17021905)     13.31334
(16020405)     13.87312 (15013101)     14.92582 (17010801)
 3601097.5 |     11.18322 (17021905)     11.74249 (16020405)     12.31383
(15013101)     13.18148 (16121724)     13.88686 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 603
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC6      ***
                                 INCLUDING SOURCE(S):     SC6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     51.14634 (16120208)     37.67981 (15121708)     51.05116
(17021308)     75.55641 (15021508)     69.38890 (17010724)
 3605847.5 |     41.60313 (16120208)     58.03625 (16120208)     48.52662
(16010908)     80.60524 (15120107)     73.18396 (16040801)
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 3605597.5 |     39.77268 (17020108)     47.10304 (16120208)     62.23067
(16120208)     88.21240 (16010908)     97.88770 (15021508)
 3605347.5 |     44.02517 (17040507)     50.48796 (17020108)     52.52847
(16120208)     61.59747 (16120708)     65.35390 (15122808)
 3605097.5 |     53.06071 (17020308)     58.07605 (15021008)     71.49196
(17020108)     72.80509 (16120208)     88.89785 (15121708)
 3604847.5 |     50.07077 (15010408)     63.82420 (16012908)     80.11634
(17020308)    102.09710 (17020108)    124.02544 (15121208)
 3604597.5 |     51.70468 (15011608)     60.19583 (17012703)     78.84564
(15010408)    115.84654 (16012908)    146.86083 (16011607)
 3604347.5 |     49.22694 (16011108)     61.00112 (16122808)     77.53700
(17012508)    104.86470 (15011608)    145.03707 (15010408)
 3604097.5 |     49.51530 (16120722)     61.55848 (16120722)     80.23846
(16011421)     97.43724 (17020524)    134.62893 (15020702)
 3603847.5 |     50.37385 (17122608)     60.92109 (17122608)     74.56604
(17122608)     97.16509 (17122608)    133.19034 (17122608)
 3603597.5 |     51.21422 (16010308)     59.55913 (17011719)     74.81849
(16021602)     89.90881 (16012803)    123.50691 (15011506)
 3603347.5 |     50.90313 (17120906)     56.62725 (17122623)     72.17679
(17121720)     97.33235 (17121308)    107.31078 (16021107)
 3603097.5 |     48.47120 (17122824)     58.15772 (17121308)     66.33928
(15092707)     59.00280 (16021107)     61.06957 (17012504)
 3602847.5 |     52.82169 (15092707)     54.94062 (15092707)     39.08302
(16011206)     44.15143 (17021905)     48.53686 (15120324)
 3602597.5 |     35.51304 (15092707)     30.31141 (15022607)     34.98506
(16121224)     36.57456 (15120324)     40.10712 (17012722)
 3602347.5 |     24.26390 (15121422)     26.77219 (16121224)     29.12312
(15013101)     31.58486 (16122704)     33.96286 (17022103)
 3602097.5 |     21.23352 (16020405)     23.25155 (15013101)     24.58846
(16021923)     27.03156 (16120304)     31.36700 (16011119)
 3601847.5 |     19.06868 (15013101)     21.00669 (17010801)     22.06446
(17012722)     27.77653 (17040807)     27.95614 (15041007)
 3601597.5 |     17.59358 (17010801)     18.62265 (16122704)     20.87481
(17040807)     22.35939 (17022603)     38.02856 (17020408)
 3601347.5 |     16.04911 (16122704)     16.93515 (16120304)     23.63707
(17040807)     23.35274 (15041007)     42.85032 (17020408)
 3601097.5 |     14.81821 (17012722)     20.70120 (17040807)     17.69142
(17022603)     27.69063 (17020408)     41.67600 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 604
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC6      ***
                                  INCLUDING SOURCE(S):     SC6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.68521 (17070706)     40.73661 (17022408)     21.77230
(17022408)     13.37644 (16112208)     39.79033 (17032607)
 3605847.5 |     83.14843 (17021508)    105.24320 (16120908)     52.55924
(17022408)     33.89098 (15111919)     89.78952 (17032607)
```

```
 3605597.5 |     80.78982 (17021508)     58.68934 (16021807)     60.61801
(16120106)     68.03751 (15010907)     94.64817 (17032607)
 3605347.5 |     66.12339 (15021508)     69.12038 (17021508)     74.26060
(17022408)     35.65933 (16091507)    124.46085 (17120924)
 3605097.5 |    100.59384 (15021508)    133.18722 (16012808)     41.91661
(17022408)     28.02018 (16112208)     33.09519 (17032607)
 3604847.5 |    190.98409 (16120708)    168.30999 (15121303)     83.91946
(17022408)     46.50132 (17032607)     16.38798 (15022208)
 3604597.5 |    189.83834 (15121208)    160.35551 (15021508)     68.01613
(15013009)     97.26483 (17032607)     44.56528 (16111708)
 3604347.5 |    230.95315 (17020308)    323.64721 (15120408)    250.91431
(16011719)    287.98667 (17032607)     71.87362 (15022723)
 3604097.5 |    233.93671 (16122808)    384.72347 (15121608)    894.53552
(15120408)   1336.12352 (16120120)    380.33106 (15051906)
 3603847.5 |    208.25073 (15021102)    363.92181 (17122908)    979.93478
(16012803)   3682.11730 (15013018)    349.67570 (15012717)
 3603597.5 |    194.36499 (17010708)    235.85410 (16021107)    327.01484
(17011624)    331.71186 (16021308)    154.23383 (16013009)
 3603347.5 |     98.42944 (15121422)    122.03759 (17010801)    195.12715
(16010102)    276.03227 (15021621)     98.03064 (17012108)
 3603097.5 |     72.26043 (17010801)     94.61815 (17022103)    115.06550
(15012823)    169.98250 (16022219)    156.82810 (15011507)
 3602847.5 |     56.68769 (17011624)     76.97348 (17020408)     76.24218
(15022601)     93.75489 (17122205)     90.96709 (17011319)
 3602597.5 |     49.76043 (16011119)     78.67320 (17020408)     58.91604
(17122005)     69.54131 (17122205)     67.08277 (17123106)
 3602347.5 |     42.60646 (17020408)     58.65588 (17020408)     46.07355
(16122020)     54.70711 (17121519)     53.47355 (16121418)
 3602097.5 |     54.73039 (17020408)     37.57698 (17020408)     36.94350
(16022802)     44.11699 (17121519)     43.40852 (17121306)
 3601847.5 |     53.74000 (17020408)     30.02623 (17122619)     30.89816
(16012923)     36.68590 (15121123)     36.17431 (15021622)
 3601597.5 |     44.40810 (17020408)     25.75708 (16011319)     26.28412
(16012923)     31.40792 (15121123)     32.12088 (16112308)
 3601347.5 |     33.39837 (17020408)     22.44321 (15022601)     23.05977
(17010402)     27.26996 (15121123)     29.97347 (16112308)
 3601097.5 |     23.16344 (17020408)     20.25732 (16010118)     20.64870
(17010402)     24.09176 (15121123)     27.18379 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 605
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC6      ***
                                  INCLUDING SOURCE(S):     SC6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.64040 (17032607)     12.35290 (15121322)     10.34630
(16111708)      7.81991 (17020109)      5.38082 (16092207)
 3605847.5 |     12.29362 (16010705)     65.29119 (15122821)     15.42323
(16083007)      7.48272 (15022224)      8.91413 (16092207)
```

```
 3605597.5 |      68.86743 (15021924)      63.61650 (15052306)      34.99976
(16101307)     18.98495 (16092207)     10.88677 (17121809)
 3605347.5 |      91.32937 (15033023)      86.77314 (17032207)      80.93460
(17022521)     16.97714 (16092207)      9.47096 (17121809)
 3605097.5 |      27.07436 (16083007)      12.98829 (15022224)      21.92490
(16092207)     50.19129 (15090405)     13.82726 (15110508)
 3604847.5 |      15.68961 (16111708)      16.59502 (16092207)      12.20168
(17121809)     11.39556 (15022724)     15.49941 (15022818)
 3604597.5 |      27.32592 (16092207)      14.31876 (17032908)      10.01655
(15082707)     21.38414 (17032608)     27.49545 (16040707)
 3604347.5 |      38.76261 (15082707)      28.95114 (17032608)      48.99153
(16040707)     52.04083 (16040707)     32.08502 (16040707)
 3604097.5 |     196.36404 (16040707)      46.07769 (17082707)      26.23387
(16020417)     21.62401 (17091207)     19.53682 (16090707)
 3603847.5 |     156.79885 (17012817)      68.02219 (15012317)      33.11616
(15012317)     23.89635 (15062407)     22.20500 (17042907)
 3603597.5 |     114.24649 (16040807)      55.84706 (15022408)      41.21053
(17122709)     27.52525 (16121017)     22.98345 (15020117)
 3603347.5 |      60.62916 (16013009)      58.72424 (16041107)     142.80197
(16040807)     50.13520 (15022408)     79.35773 (15012119)
 3603097.5 |      54.02410 (16021820)     193.33995 (17040307)     122.84487
(16121203)    145.57173 (17011308)    131.78519 (15121020)
 3602847.5 |     124.10359 (17120621)      93.60222 (17021408)      83.10275
(17122518)     90.00011 (16122817)     71.62039 (17022804)
 3602597.5 |      67.72251 (16121220)      80.30677 (15020908)      67.57522
(16121022)     68.29240 (17122518)     65.00314 (15013018)
 3602347.5 |      51.44744 (15022808)      50.30844 (17120621)      66.21173
(17021408)     51.58106 (16010421)     51.44147 (17122518)
 3602097.5 |      41.78017 (16022321)      39.88948 (16121220)      51.88044
(17120621)     51.01405 (17021408)     79.44789 (15011201)
 3601847.5 |      36.03340 (15011921)      38.13386 (15022808)      34.20231
(16121008)     43.42989 (15020908)     39.63708 (17021822)
 3601597.5 |      30.81718 (16122021)      37.20925 (15022808)      27.81639
(17010406)     34.82998 (17120621)     36.85645 (17021408)
 3601347.5 |      27.71381 (17031208)      28.18534 (15022808)      25.45942
(15022808)     24.70525 (16121008)     31.26142 (17120621)
 3601097.5 |      23.90542 (16121418)      23.48372 (17011319)      30.28614
(15022808)     21.25321 (17010406)     25.30565 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 606
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC6      ***
                                  INCLUDING SOURCE(S):     SC6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |       8.09090 (16092207)       8.93597 (17121809)       7.14890
(17121809)      6.12853 (17032908)
 3605847.5 |       9.81435 (17121809)       7.77738 (17121809)       6.71072
(17032908)      6.49986 (15082707)
 3605597.5 |       8.53574 (17121809)       7.35138 (17032908)       6.77194
(15082707)      4.45015 (15082707)
 3605347.5 |       8.26125 (15082707)       6.74255 (15082707)       4.39344
(17122309)      7.52130 (17122309)
 3605097.5 |       7.30153 (16042804)       8.13716 (17122309)      11.35870
(17122309)     12.09670 (17122309)
 3604847.5 |      16.87412 (17032608)      17.19547 (16040707)      28.06368
(16040707)     31.99323 (16040707)
 3604597.5 |      39.65034 (16040707)      36.55149 (16040707)      25.62731
(16040707)     15.15771 (16040707)
 3604347.5 |      15.26046 (16040707)      12.42511 (17082707)      12.36652
(17082707)     11.73221 (17082707)
 3604097.5 |      17.46015 (16090707)      15.31031 (16090707)      13.32357
(16090707)     11.57287 (16090707)
 3603847.5 |      19.92803 (17042907)      17.49976 (15062407)      16.11249
(15062407)     14.94555 (15062407)
 3603597.5 |      18.35851 (15061907)      15.70310 (15061907)      13.50679
(15061907)     11.39451 (15061907)
 3603347.5 |      34.79791 (15091922)      13.69123 (16011417)       9.78758
(17122709)      7.62298 (17122709)
 3603097.5 |      41.16721 (15022408)      28.44035 (15022408)      13.72173
(15022408)     10.80746 (17122709)
 3602847.5 |      98.08964 (17011308)      42.92188 (16040807)      34.08184
(15022408)     28.38316 (15022408)
 3602597.5 |      62.57212 (16010101)      22.75514 (16040807)      37.58170
(16040807)     36.07857 (16040807)
 3602347.5 |      54.04549 (17122124)      70.41301 (17010220)      34.97678
(15011223)     54.91689 (17011308)
 3602097.5 |      81.23837 (17040307)      38.56555 (17122124)      38.67451
(16122817)     36.22988 (17022804)
 3601847.5 |      66.95698 (16010601)      34.11350 (17122518)      30.27675
(17122124)     29.32633 (15013018)
 3601597.5 |      35.30812 (16121022)      30.03522 (16010601)      30.33538
(17122518)     24.53537 (17122124)
 3601347.5 |      31.85484 (17021408)      25.32051 (16121022)      25.20346
(16010601)     24.93794 (17122518)
 3601097.5 |      27.52507 (15020908)      26.13389 (17021408)      20.77639
(16010421)     22.95827 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 607
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC6      ***
                                  INCLUDING SOURCE(S):     SC6         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      555.48877  (17020524)
507708.67   3603932.32      167.68944  (17011708)
        506203.59   3603369.23       37.93341  (16021602)
507919.87   3604794.52      168.75699  (15011206)
        507037.89   3604916.08       71.34131  (17020308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 608
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.24175 (16020408)     14.14156 (15011008)     17.08434
(16012908)     19.22631 (17020308)     19.45872 (17020308)
 3605847.5 |     16.02924 (15040607)     14.84799 (15040607)     15.79513
(16020408)     17.49893 (16011506)     21.83915 (16012908)
 3605597.5 |     16.33696 (15040607)     18.21209 (15040607)     19.48120
(15040607)     18.66659 (15010408)     20.20422 (16020408)
 3605347.5 |     14.79065 (17012508)     15.55029 (15011608)     17.61583
(15040607)     19.84506 (15040607)     22.90264 (15040607)
 3605097.5 |     15.25519 (16122808)     16.48441 (17012508)     18.36437
(17012508)     18.37430 (17012508)     20.23510 (15011608)
 3604847.5 |     21.46331 (15040307)     21.71548 (15040307)     20.18654
(15040307)     19.73939 (16122808)     21.74027 (17010407)
 3604597.5 |     18.58052 (17092707)     19.11186 (17092707)     20.44305
(15040307)     24.41819 (15040307)     28.19528 (15040307)
 3604347.5 |     18.92307 (16040507)     18.95274 (16040507)     18.91224
(16040507)     20.34536 (16011421)     23.02081 (15122708)
 3604097.5 |     16.30150 (17011708)     18.14306 (17011708)     19.52978
(17011708)     21.32280 (17011708)     23.47348 (17011708)
 3603847.5 |     17.70419 (17021608)     18.80823 (17021608)     20.44444
(17021608)     21.79815 (17122608)     24.75515 (17122608)
 3603597.5 |     17.13314 (17021608)     17.53924 (17021608)     18.35414
(17021608)     19.17269 (15021102)     21.03335 (15021102)
 3603347.5 |     14.47164 (15011603)     16.02966 (17122908)     17.91641
(17122908)     19.64584 (17122908)     21.47273 (17122908)
 3603097.5 |     14.27604 (17021402)     15.41161 (17011719)     16.86789
(17011719)     19.09144 (15012720)     20.35952 (16021602)
 3602847.5 |     14.11721 (16021602)     14.98702 (16021602)     16.57142
(16012803)     17.92773 (16011702)     19.72433 (17120906)
 3602597.5 |     13.74401 (16011702)     14.98818 (17120906)     16.46311
(15011506)     20.41866 (15092907)     24.60394 (15092907)
 3602347.5 |     17.09317 (15092907)     20.25913 (15092907)     22.03000
(15092907)     21.47401 (15092907)     18.62640 (17010704)
 3602097.5 |     19.13494 (15092907)     17.47632 (15092907)     16.52609
(17092807)     21.94663 (17092807)     25.15031 (17092807)
 3601847.5 |     15.78703 (17092807)     19.98599 (17092807)     21.96613
(17092807)     23.47548 (15092707)     29.56837 (15092707)
 3601597.5 |     19.84712 (17092807)     20.26963 (15092707)     25.40826
(15092707)     27.13364 (15092707)     23.56672 (15092707)
 3601347.5 |     22.46800 (15092707)     24.73754 (15092707)     23.10087
(15092707)     17.66731 (15092707)     10.75482 (17122302)
 3601097.5 |     22.24294 (15092707)     18.56541 (15092707)     12.83231
(15092707)      9.65761 (17122105)     10.20857 (15012201)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 609
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.47886 (17040507)     27.01652 (17040507)     26.48176
(17020108)     26.21407 (16121408)     38.48930 (16120208)
 3605847.5 |     24.10539 (17020308)     27.57030 (17040507)     31.80073
(17040507)     30.14400 (17020108)     30.40382 (16121408)
 3605597.5 |     22.79767 (16011506)     27.94588 (16012908)     29.53973
(17020308)     36.35066 (17040507)     34.28027 (17020108)
 3605347.5 |     23.07451 (15010408)     25.34692 (16020408)     30.21075
(16012908)     36.39451 (17020308)     37.72606 (17040507)
 3605097.5 |     22.92285 (15040607)     27.53160 (15040607)     29.76960
(15121608)     32.96883 (16020408)     41.57536 (16012908)
 3604847.5 |     23.62449 (17012508)     25.14313 (17012508)     29.01905
(15011608)     32.37693 (15012401)     39.63953 (15121608)
 3604597.5 |     26.63029 (15040307)     27.73338 (16122808)     29.51235
(16122808)     34.52902 (17012508)     39.11782 (15011608)
 3604347.5 |     25.97406 (17020524)     29.58117 (17020524)     32.07849
(16020401)     33.61256 (15020702)     40.71453 (16011108)
 3604097.5 |     25.96142 (17011708)     30.44223 (16120722)     33.96142
(16120722)     34.70880 (16120722)     39.52195 (16011421)
 3603847.5 |     28.33617 (17122608)     31.06521 (17122608)     33.25961
(17122608)     38.02038 (17122608)     43.11987 (15010808)
 3603597.5 |     23.99305 (15021102)     26.33734 (15021102)     29.10521
(15021102)     33.65848 (16012807)     41.00515 (15011603)
 3603347.5 |     23.51098 (16010308)     25.94321 (16010308)     29.11786
(17011719)     34.18358 (15012720)     40.14916 (16021602)
 3603097.5 |     22.36582 (16021602)     25.08380 (16012803)     28.12880
(16011702)     33.62872 (17120906)     38.99211 (15011506)
 3602847.5 |     21.76594 (15011506)     25.25325 (15092907)     30.99268
(15092907)     33.31637 (15092907)     38.47614 (17010708)
 3602597.5 |     26.53624 (15092907)     24.98615 (15092907)     27.72170
(17092807)     35.29173 (17092807)     45.13598 (15092707)
 3602347.5 |     24.92095 (17092807)     29.59697 (17092807)     35.06332
(15092707)     41.32448 (15092707)     32.89773 (15092707)
 3602097.5 |     28.17437 (15092707)     34.53208 (15092707)     32.79884
(15092707)     21.26175 (15092707)     19.01403 (15022607)
 3601847.5 |     29.87864 (15092707)     23.45188 (15092707)     15.06820
(17122302)     16.33957 (15121422)     17.72243 (17021905)
 3601597.5 |     16.00578 (15092707)     12.73675 (17122105)     14.05340
(15121422)     15.22561 (16121224)     16.22473 (17121505)
 3601347.5 |     11.24174 (15022607)     12.18801 (17012504)     13.15661
(16121224)     13.98825 (17121505)     14.92046 (15120324)
 3601097.5 |     11.01828 (17012504)     11.62568 (16121224)     12.46724
(17121505)     13.11897 (15120324)     13.84209 (17010801)
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 610
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     47.65144 (16120208)     34.95196 (15121708)     49.02481
(17021308)     66.65375 (15021508)     54.02725 (17010724)
 3605847.5 |     43.42369 (16120208)     52.69885 (16120208)     44.14961
(16010908)     71.84483 (17021308)     66.26817 (15021508)
 3605597.5 |     35.70208 (17020202)     49.09712 (16120208)     55.12042
(16120208)     64.17855 (15122808)     92.99500 (15021508)
 3605347.5 |     40.59429 (15121803)     45.08326 (17020108)     54.78577
(16120208)     59.51016 (15121708)     59.29116 (17022201)
 3605097.5 |     47.28286 (17020308)     51.11850 (15120308)     62.42469
(17020108)     73.94858 (16120208)     79.13172 (15121708)
 3604847.5 |     44.94862 (16020408)     61.24505 (16012908)     69.37418
(15021008)     90.63359 (17020108)    112.00942 (16120208)
 3604597.5 |     45.79932 (17012703)     57.28803 (15121608)     68.31865
(15011008)     99.40725 (17020308)    133.62857 (17020108)
 3604347.5 |     48.58353 (16122808)     57.02419 (17012508)     69.43967
(15011608)     91.48852 (15121608)    126.86579 (16012908)
 3604097.5 |     47.16083 (16011421)     57.69357 (17020524)     72.78103
(16020401)     92.12822 (16011108)    124.56401 (16122808)
 3603847.5 |     49.43924 (17122608)     59.63163 (15010808)     73.46430
(15010808)     94.78547 (15010808)    130.76978 (17011708)
 3603597.5 |     48.46884 (17122908)     58.17618 (17122908)     71.12644
(17122908)     86.13374 (17011719)    116.33739 (16021602)
 3603347.5 |     46.47907 (16021602)     53.48595 (16011702)     67.36120
(15011506)     87.08219 (17121720)    109.31176 (17121308)
 3603097.5 |     45.24308 (16021406)     52.58044 (17122824)     64.70496
(17121308)     73.30459 (16021107)     59.38199 (17122302)
 3602847.5 |     46.49944 (17121308)     55.58126 (15092707)     51.28757
(15092707)     42.54825 (15121422)     48.65022 (17121505)
 3602597.5 |     46.34628 (15092707)     30.16239 (15092707)     34.09566
(15121422)     36.34583 (17121505)     40.62891 (17010801)
 3602347.5 |     23.32599 (16011206)     26.31013 (17012504)     28.87493
(17121505)     31.68378 (17010801)     34.61322 (16120304)
 3602097.5 |     20.88597 (17021905)     23.11917 (17121505)     24.58502
(17010801)     27.01676 (17012722)     31.77005 (17022103)
 3601847.5 |     19.04900 (17121505)     20.76009 (15120324)     22.09784
(16122704)     23.44203 (17011624)     27.50890 (15121007)
 3601597.5 |     17.43152 (15120324)     18.39016 (16022007)     19.75115
(16120304)     25.06679 (17040807)     28.72942 (17020408)
 3601347.5 |     15.71186 (16021923)     16.92503 (17012722)     22.63397
(17040807)     20.78189 (15041007)     37.63351 (17020408)
 3601097.5 |     14.50650 (16122704)     16.12233 (17040807)     20.81914
(17040807)     22.35227 (15041007)     41.00330 (17020408)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 611
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     63.25451 (17021508)     49.92000 (15022002)     23.50157
(17022408)     14.54873 (16112208)     33.58973 (17032607)
 3605847.5 |     93.96234 (16012808)     70.95436 (16120908)     54.99831
(17022408)     50.39838 (15100707)     81.25750 (17032607)
 3605597.5 |     84.99304 (16020419)     53.78615 (16021807)     53.84583
(16120106)     60.48387 (16040620)    104.19015 (17020819)
 3605347.5 |     60.01119 (15021508)     66.35279 (17021508)     79.55584
(15022305)     48.78426 (15111919)    121.53026 (17020819)
 3605097.5 |     90.84131 (15021508)    158.11081 (16012808)     37.03318
(17022408)     31.09142 (16112208)     50.87809 (17032607)
 3604847.5 |    182.27857 (16010908)    168.09952 (15121303)     66.54067
(17022408)     44.20288 (16112208)     39.22340 (17032607)
 3604597.5 |    166.30039 (15120408)    188.39453 (16021523)     65.04441
(17021508)     69.63751 (16112208)     23.20227 (16111708)
 3604347.5 |    173.79895 (15120308)    239.79824 (15120408)    354.95551
(17010724)    130.52283 (16120619)     59.22095 (17121007)
 3604097.5 |    181.14595 (17012703)    333.08973 (17020308)    572.83343
(15121708)    610.76984 (15010907)    601.15224 (17011520)
 3603847.5 |    202.30868 (17011708)    346.81816 (17011708)    829.27193
(17020524)   3741.89251 (16090406)    647.05128 (17021819)
 3603597.5 |    173.39359 (17120906)    281.39911 (17010708)    368.35882
(16121224)    746.93939 (15012408)    188.90525 (16013009)
 3603347.5 |    133.05507 (16021107)    129.98209 (16020405)    207.21571
(15121007)    303.89165 (17122205)    135.97981 (15020418)
 3603097.5 |     73.23603 (17121505)     92.26593 (16120304)    129.83103
(17020408)    177.86613 (15121123)    165.54259 (15011507)
 3602847.5 |     58.27714 (16122704)     73.79628 (15121007)     83.87520
(15012823)    105.09573 (15121123)    100.29355 (17011319)
 3602597.5 |     48.25995 (17022103)     71.69577 (17020408)     61.61929
(16011319)     76.50588 (15121123)     73.88639 (15020321)
 3602347.5 |     41.31187 (15121007)     68.58059 (17020408)     48.42602
(16010118)     59.07949 (15121123)     57.43530 (16121418)
 3602097.5 |     43.56968 (17020408)     50.87836 (17020408)     38.81911
(17122005)     47.26235 (15121123)     46.39405 (15021622)
 3601847.5 |     51.86864 (17020408)     33.19912 (17020408)     32.39308
(16122020)     38.99064 (15121123)     37.98598 (17122218)
 3601597.5 |     49.01589 (17020408)     26.79248 (17122619)     27.34009
(16022802)     32.94011 (15121123)     32.89625 (17122218)
 3601347.5 |     40.48131 (17020408)     23.01762 (16011319)     23.67950
(16012923)     28.31669 (15121123)     29.77343 (16112308)
 3601097.5 |     30.05977 (17020408)     20.40508 (15022601)     21.03050
(16012923)     24.78528 (15120902)     26.50871 (16112308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 612
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     24.72900 (17032607)     15.45989 (17121006)      9.99019
(16111708)      7.64257 (17020109)      6.37555 (17020109)
 3605847.5 |     18.10675 (17032607)     77.09859 (15033023)     17.47029
(16083007)      7.93076 (17020109)      7.44155 (16092207)
 3605597.5 |     89.05652 (16121520)     70.92020 (17101124)     52.88391
(15092321)     24.25886 (16100201)     10.28663 (16081907)
 3605347.5 |    120.42865 (16120120)     99.05481 (16120518)    104.69185
(17021903)     21.07944 (16092207)     11.10601 (17121809)
 3605097.5 |     23.40760 (16083007)     11.66087 (17020109)     24.17296
(16092207)     64.12025 (15101307)     16.98415 (15082707)
 3604847.5 |     22.23691 (16111708)     14.37405 (16092207)     15.08541
(17121809)     10.52085 (17032908)     16.02943 (15082707)
 3604597.5 |     16.51315 (17020519)     18.64207 (17121809)     12.81777
(15082707)      9.86959 (17122309)     18.37969 (17032608)
 3604347.5 |     45.73096 (17011903)     32.49262 (15022724)     35.72490
(17032608)     42.44397 (16040707)     47.31040 (16040707)
 3604097.5 |    115.36139 (15121321)     82.43328 (16040707)     45.76278
(16040707)     17.61173 (17082707)     17.10341 (17082707)
 3603847.5 |    235.99357 (17073005)     91.19662 (15061006)     39.01441
(17030408)     27.16437 (17030408)     20.88446 (17030408)
 3603597.5 |     96.85279 (15022408)     55.39578 (17122117)     43.45515
(16121017)     33.74293 (16012017)     24.11095 (15061907)
 3603347.5 |    113.94252 (16013009)     75.30700 (16040807)    199.10622
(15022202)     41.58577 (15012417)    108.37218 (15042322)
 3603097.5 |     70.41511 (15020820)    157.78929 (17122124)    120.06504
(17022804)    164.77788 (15121020)    133.82037 (16121122)
 3602847.5 |    143.31772 (17120621)    100.81341 (16121022)     82.32412
(16121120)     95.49596 (16121203)     73.20843 (17121101)
 3602597.5 |     70.75139 (16121220)     88.93589 (15020908)     71.48854
(16010421)     65.08816 (16121120)     65.54627 (16122817)
 3602347.5 |     54.54216 (17010624)     55.64863 (17120621)     69.66875
(17021408)     54.87935 (16010421)     49.60665 (17122518)
 3602097.5 |     44.58417 (16022321)     41.53497 (16121220)     54.25739
(17120621)     51.31276 (17021408)     77.19426 (16010601)
 3601847.5 |     37.73330 (15011921)     39.03529 (15022808)     35.21575
(16121008)     45.66043 (15020908)     40.35814 (16121022)
 3601597.5 |     32.11960 (17123106)     37.07619 (15022808)     28.72540
(17010406)     36.80355 (17120621)     38.70472 (17021408)
 3601347.5 |     28.03614 (15020321)     27.20594 (16022321)     26.16200
(15022808)     25.34543 (16121008)     32.31214 (15020908)
 3601097.5 |     24.62135 (16121418)     24.06227 (17011319)     30.68397
(15022808)     21.69015 (17010406)     26.45308 (17120621)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 613
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.57495 (16092207)      8.49991 (17121809)      8.09025
(17121809)      5.64584 (17032908)
 3605847.5 |      9.12046 (17121809)      8.88113 (17121809)      6.29077
(17032908)      6.37745 (15082707)
 3605597.5 |      9.85922 (17121809)      7.06477 (17032908)      7.09591
(15082707)      5.81675 (15082707)
 3605347.5 |      8.00271 (17032908)      7.75205 (15082707)      5.44413
(15082707)      4.86505 (17122309)
 3605097.5 |      8.84661 (15022724)      5.34924 (15051907)      8.42790
(17122309)     11.01938 (17122309)
 3604847.5 |     12.36948 (16082307)     12.98413 (17122309)     16.39297
(16040707)     25.95864 (16040707)
 3604597.5 |     25.36246 (16040707)     36.00342 (16040707)     34.66490
(16040707)     25.98137 (16040707)
 3604347.5 |     32.97878 (16040707)     17.87995 (16040707)     10.31475
(17082707)     10.84062 (17082707)
 3604097.5 |     15.84394 (16090707)     15.67124 (16090707)     14.84313
(16090707)     13.70896 (16090707)
 3603847.5 |     17.46830 (15062407)     15.97482 (15062407)     14.74072
(15062407)     13.70168 (15062407)
 3603597.5 |     22.73044 (16052106)     16.56314 (15061907)     12.85271
(15061907)     12.80915 (17042907)
 3603347.5 |     47.51138 (15091922)     13.89855 (16121017)      7.83927
(17122709)      7.98225 (15061907)
 3603097.5 |     36.44435 (15022408)     18.15451 (15022408)     11.81883
(17122709)     10.75954 (17122709)
 3602847.5 |    115.81106 (15121020)     36.59056 (16040807)     33.55357
(15022408)     21.92742 (15022408)
 3602597.5 |     89.22437 (15031607)     32.47069 (16040807)     41.07169
(16040807)     31.31167 (16040807)
 3602347.5 |     55.84358 (15013018)     71.29982 (16121203)     44.35424
(16060106)     64.30185 (17011308)
 3602097.5 |     84.63145 (17040307)     37.53621 (17122124)     37.94135
(16121203)     35.17271 (17022804)
 3601847.5 |     47.45911 (16010601)     33.30673 (17122518)     30.74112
(17122124)     29.50212 (16122817)
 3601597.5 |     34.49122 (16121022)     30.58100 (17011224)     29.39757
(17122518)     25.69442 (17122124)
 3601347.5 |     32.41243 (17021408)     25.38026 (16121022)     26.07900
(17011224)     24.46688 (17122518)
 3601097.5 |     28.67178 (15020908)     25.92080 (17021408)     22.40868
(16010421)     23.33550 (17011224)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 614
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SC7      ***
                                 INCLUDING SOURCE(S):     SC7         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      423.97832  (15011608)
507708.67   3603932.32      143.97519  (16011421)
        506203.59   3603369.23       36.01567  (17011719)
507919.87   3604794.52      196.17923  (17021107)
        507037.89   3604916.08       63.91378  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 615
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     25.09697 (15020808)     23.34177 (16020408)     25.74809
(17020308)     29.67748 (17020308)     29.91059 (15021008)
 3605847.5 |     43.11450 (15120108)     36.74155 (15120108)     29.10223
(15020808)     26.65836 (16020408)     32.04556 (17020308)
 3605597.5 |     55.42818 (15120108)     56.06219 (15120108)     52.35836
(15120108)     44.83345 (15120108)     34.43098 (15020808)
 3605347.5 |     49.38049 (15120108)     58.09274 (15120108)     64.81880
(15120108)     67.70479 (15120108)     65.05421 (15120108)
 3605097.5 |     29.50674 (15120108)     39.71566 (15120108)     51.68029
(15120108)     64.33610 (15120108)     75.95033 (15120108)
 3604847.5 |     34.35767 (15012708)     35.68117 (15012708)     36.20459
(15012708)     36.71261 (15120108)     51.83660 (15120108)
 3604597.5 |     32.31681 (16020508)     35.77055 (15012708)     39.95007
(15012708)     44.35414 (15012708)     49.06408 (15012708)
 3604347.5 |     23.71598 (16020508)     27.70864 (16020508)     32.33823
(16020508)     37.81392 (16020508)     43.56226 (16020508)
 3604097.5 |     26.85377 (15013008)     29.02726 (15013008)     31.10743
(15013008)     33.47687 (15013008)     36.12960 (15013008)
 3603847.5 |     33.66166 (17121208)     36.21042 (17121208)     39.20509
(17121208)     42.50421 (17121208)     46.52781 (17121208)
 3603597.5 |     31.19842 (17121208)     33.37450 (17121208)     35.88145
(17121208)     38.61071 (17121208)     41.34043 (17121208)
 3603347.5 |     21.96439 (17121708)     24.98904 (17121708)     28.42703
(17121708)     32.31289 (17121708)     36.59491 (17121708)
 3603097.5 |     27.07470 (17121708)     28.70551 (17121708)     30.16597
(17121708)     31.11343 (17121708)     31.42708 (17121708)
 3602847.5 |     20.36568 (15021021)     22.03283 (15021021)     23.64129
(15122019)     25.31577 (15122019)     27.78318 (17122621)
 3602597.5 |     19.81587 (17122621)     21.33999 (17122621)     22.88240
(16031807)     24.99256 (15012003)     27.03852 (17012206)
 3602347.5 |     19.44578 (15012003)     20.77146 (17012206)     22.35391
(17012206)     24.49705 (16122906)     28.03865 (15011108)
 3602097.5 |     20.30151 (15092907)     20.58308 (15011108)     23.77807
(15011108)     26.28385 (15011108)     28.75172 (17121308)
 3601847.5 |     20.60257 (15011108)     22.16561 (15011108)     24.02637
(17121308)     28.03048 (16031707)     32.82549 (15092707)
 3601597.5 |     20.56591 (17092807)     23.64164 (16031707)     28.66404
(15092707)     31.49337 (15092707)     30.42042 (15092707)
 3601347.5 |     25.70516 (15092707)     28.61242 (15092707)     28.67159
(15092707)     25.20946 (15092707)     23.98799 (15032207)
 3601097.5 |     27.07496 (15092707)     25.02348 (15092707)     21.10786
(15032207)     20.70430 (15032207)     18.27424 (15032207)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 616
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     32.45049 (15120308)     33.30754 (17020108)     39.09289
(17020108)     50.19984 (15032407)     60.77510 (17013108)
 3605847.5 |     34.52386 (17020308)     37.41078 (15021008)     37.21655
(15120308)     45.16843 (17020108)     57.61681 (15032407)
 3605597.5 |     31.98444 (16012908)     40.08987 (17020308)     41.72976
(15021008)     45.27558 (15120308)     52.25745 (17020108)
 3605347.5 |     55.89390 (15120108)     42.08543 (15120108)     42.29610
(17020308)     49.72163 (17020308)     54.10400 (15021008)
 3605097.5 |     83.24647 (15120108)     82.63137 (15120108)     72.16376
(15120108)     52.89523 (15120108)     57.76923 (17020308)
 3604847.5 |     69.22940 (15120108)     88.32411 (15120108)    103.49086
(15120108)    108.65738 (15120108)     96.72313 (15120108)
 3604597.5 |     50.53840 (15012708)     51.66919 (15012708)     70.90008
(15120108)     99.77607 (15120108)    129.85225 (15120108)
```

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 3604347.5 |     49.77872 (16020508)     57.92271 (15012708)     66.33202
(15012708)     74.45762 (15012708)     81.35410 (15012708)
 3604097.5 |     39.14865 (15013008)     43.52642 (15013008)     46.63276
(16020508)     58.61195 (16020508)     73.57660 (16020508)
 3603847.5 |     51.10643 (17121208)     55.93352 (17121208)     61.75207
(17121208)     69.27438 (17121208)     77.99826 (17121208)
 3603597.5 |     44.86605 (17121208)     48.85152 (17121208)     52.97983
(17121208)     58.28860 (17121208)     63.99226 (17121208)
 3603347.5 |     41.39657 (17121708)     46.51944 (17121708)     51.87588
(17121708)     56.85352 (17121708)     60.73071 (17121708)
 3603097.5 |     31.49266 (15021021)     35.14179 (15021021)     38.52766
(15122019)     44.01037 (17122621)     50.50814 (17021924)
 3602847.5 |     30.20207 (17122621)     33.91420 (17021924)     37.42183
(17012206)     42.64839 (16122906)     53.66034 (15011108)
 3602597.5 |     29.42785 (17012206)     33.74983 (15011108)     40.43033
(15011108)     45.91893 (15011108)     59.28921 (16031707)
 3602347.5 |     32.45790 (15011108)     35.36693 (17121308)     43.86602
(16031707)     50.04709 (16031707)     48.41711 (16031707)
 3602097.5 |     34.35321 (16031707)     39.07657 (16031707)     40.25631
(16031707)     39.55931 (15032207)     37.61445 (15032207)
 3601847.5 |     35.28101 (15092707)     32.23070 (15092707)     32.75360
(15032207)     29.19074 (15032207)     28.15334 (15010718)
 3601597.5 |     27.68061 (15032207)     26.82072 (15032207)     22.72018
(15032207)     24.30876 (17011023)     27.04103 (16032607)
 3601347.5 |     22.02274 (15032207)     19.88091 (17122924)     21.14187
(17011023)     23.47158 (16032607)     27.14836 (15010508)
 3601097.5 |     17.83442 (17122924)     18.85071 (17020101)     20.92253
(16032607)     23.85990 (15010508)     22.15513 (17012624)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 617
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     60.44843 (16120208)     55.48539 (16120708)     65.15066
(15021508)     80.25752 (15021508)     67.41907 (17021508)
 3605847.5 |     70.18412 (17013108)     65.37896 (16120208)     58.42019
(16120708)     90.64522 (15021508)     82.33635 (15021508)
 3605597.5 |     67.05988 (15032407)     82.30866 (17013108)     75.99455
(16120708)     74.24308 (17013021)    109.80506 (15021508)
 3605347.5 |     60.00857 (17020108)     79.40795 (15032407)     98.28450
(17013108)     93.92032 (16120708)     76.54584 (15021508)
 3605097.5 |     63.80600 (15021008)     67.58044 (17020108)     96.47985
(15032407)    120.27529 (17013108)    111.86050 (16120708)
 3604847.5 |     68.51866 (15120108)     80.26727 (17020308)     89.31362
(15120308)    121.52054 (15032407)    155.64767 (17013108)
 3604597.5 |    148.13575 (15120108)    137.45777 (15120108)     92.06140
(15120108)    118.30766 (15021008)    159.50806 (15032407)
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 3604347.5 |    104.01409 (15120108)    159.28894 (15120108)    211.38852
(15120108)    213.66385 (15120108)    161.48758 (17020308)
 3604097.5 |     91.23584 (16020508)    115.40101 (15012708)    144.10645
(15012708)    170.09693 (15120108)    305.24552 (15120108)
 3603847.5 |     89.07434 (17121208)    102.45379 (17121208)    119.93135
(17121208)    143.60636 (15013008)    187.16897 (15013008)
 3603597.5 |     70.34018 (17121208)     83.91816 (17121708)    108.97994
(17121708)    142.68195 (17121708)    184.23594 (17121708)
 3603347.5 |     62.05604 (17121708)     70.28703 (15122019)     85.01376
(17122621)    106.49689 (17012206)    150.12973 (15011108)
 3603097.5 |     58.08986 (17012206)     69.84213 (15011108)     89.34322
(15011108)    123.61639 (16031707)    130.04918 (15032207)
 3602847.5 |     63.54772 (15011108)     80.36304 (16031707)     88.96028
(16031707)     85.92524 (15032207)     80.25958 (16032607)
 3602597.5 |     64.50024 (16031707)     63.82479 (15032207)     58.75121
(15032207)     59.53761 (16032607)     68.55071 (15010508)
 3602347.5 |     49.10765 (15032207)     40.80160 (17122924)     46.89601
(16032607)     54.47201 (15010508)     63.00712 (16052806)
 3602097.5 |     33.29757 (15010718)     37.97589 (16032607)     44.33002
(15010508)     47.50281 (16052806)     54.81346 (15123108)
 3601847.5 |     31.61893 (16032607)     37.09814 (15010508)     36.22585
(17011608)     43.27027 (16052806)     44.78295 (16021102)
 3601597.5 |     31.47396 (15010508)     30.10697 (15021520)     36.36207
(16052806)     38.17553 (15123108)     43.89923 (17012608)
 3601347.5 |     25.54579 (15012007)     30.36218 (16052806)     33.00352
(15123108)     32.97560 (15020621)     51.52735 (17020408)
 3601097.5 |     25.42900 (16052806)     28.51383 (16052806)     28.30720
(15123108)     32.39863 (17020408)     54.76874 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 618
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     64.74206 (17021508)     58.63779 (15022002)     24.58657
(17022408)     16.18583 (15123009)     35.61838 (17032607)
 3605847.5 |    106.13587 (16012808)    114.45800 (16120908)     57.14041
(15121906)     61.36722 (15100707)     83.96964 (17032607)
 3605597.5 |     94.61006 (16012808)    110.01677 (16120908)     64.30787
(17011402)     86.17908 (15010907)    108.99042 (17020819)
 3605347.5 |     73.25788 (15021508)    111.87247 (16120908)     95.21832
(15121906)     64.22762 (15100707)    127.70353 (17020819)
 3605097.5 |    109.76492 (15021508)    178.73353 (16012808)     38.88737
(17022408)     28.59350 (16112208)     54.07743 (17032607)
 3604847.5 |    158.43670 (16120708)    162.16232 (16012808)     78.90086
(17022408)     40.04465 (16112208)     49.68459 (17032607)
 3604597.5 |    201.26531 (17013108)    215.55687 (16021523)     66.06899
(17022408)     61.46647 (16112208)     35.80171 (17032607)
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 3604347.5 |    204.96884 (17020108)    284.19060 (16120708)    404.95427
(16012808)    164.24988 (15111919)     55.67332 (17020109)
 3604097.5 |    377.53793 (15120108)    338.33958 (15021008)    438.44522
(17010802)    521.53776 (16021204)    572.58500 (16021524)
 3603847.5 |    273.40478 (15012708)    499.77217 (15012708)    797.94708
(17052006)   1350.41106 (16090705)    763.97221 (15021523)
 3603597.5 |    217.46178 (17121708)    329.71970 (15011108)    699.25658
(15032207)   1349.81858 (17062106)    195.72521 (16040807)
 3603347.5 |    234.66466 (16031707)    226.36950 (15032207)    316.66331
(15123108)    454.62866 (17010308)    204.67119 (17101224)
 3603097.5 |    118.06440 (16032607)    164.64661 (16052806)    254.17895
(15032307)    269.58092 (17010308)    277.98135 (15121508)
 3602847.5 |     93.92238 (15021520)    118.33565 (16021102)    139.74861
(15032307)    182.66404 (15120608)    179.94961 (17010608)
 3602597.5 |     84.81854 (15123108)    117.28997 (15032307)    104.16119
(16012208)    135.57890 (15120608)    126.42517 (17010608)
 3602347.5 |     67.01980 (16021102)     97.35581 (15032307)     91.42132
(15011408)    105.68871 (15120608)     88.36193 (17062106)
 3602097.5 |     67.42602 (17012608)     72.70310 (17020408)     78.65949
(15011408)     85.38313 (15120608)     74.95736 (17062106)
 3601847.5 |     68.05446 (17020408)     53.36321 (17020408)     69.16172
(15120608)     70.81443 (15120608)     63.29669 (17062106)
 3601597.5 |     65.32788 (17020408)     42.38718 (16120822)     62.53001
(15120608)     59.92113 (15120608)     54.62924 (17010308)
 3601347.5 |     57.12751 (17020408)     37.47664 (16012208)     56.61050
(15120608)     51.72684 (15120608)     50.12956 (17010308)
 3601097.5 |     46.16137 (17020408)     36.18837 (16012208)     51.24355
(15120608)     45.27421 (15120608)     45.73471 (17010308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 619
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.97971 (17032607)     16.45641 (16090705)      9.38753
(16111708)     11.13228 (17020109)     10.14229 (17020109)
 3605847.5 |     25.31350 (17032607)     77.08295 (15033023)     18.56043
(16083007)     11.89031 (17020109)      8.55853 (17020109)
 3605597.5 |     98.36582 (16121520)     88.57179 (15122821)     59.36147
(15092321)     28.29750 (16100201)     12.75515 (17121809)
 3605347.5 |    116.74796 (16120120)     95.46948 (16120518)    109.14963
(16120223)     27.11053 (17121809)     14.99827 (17121809)
 3605097.5 |     24.47918 (16111708)     16.62284 (17020109)     28.47850
(17121809)     81.27499 (15101307)     19.86678 (17012609)
 3604847.5 |     21.05983 (16111708)     15.79190 (17020109)     19.77491
(17121809)     13.75310 (15110508)     21.43153 (17032908)
 3604597.5 |     22.47495 (17020109)     23.90865 (17121809)     15.78699
(17032908)     12.17100 (17100708)     16.60089 (17122309)
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 3604347.5 |     61.52964 (17121809)     38.18122 (17032908)     26.85398
(17032608)     35.06218 (16040707)     45.67619 (16040707)
 3604097.5 |    188.05514 (15121624)     75.69308 (16091707)     61.51756
(16040707)     37.00335 (16040707)     18.87758 (16040707)
 3603847.5 |    331.05677 (15120702)    138.01471 (17103122)     49.26174
(16090707)     26.74237 (17030408)     21.00205 (17030408)
 3603597.5 |     58.27391 (15022408)     57.80840 (17122709)     37.23410
(17122709)     30.97894 (15062407)     25.24532 (16052106)
 3603347.5 |    112.68836 (16013009)    114.98023 (15022408)    219.16705
(17022805)     53.10762 (15022408)    133.86410 (16012801)
 3603097.5 |    103.43019 (17081204)    257.19119 (17040307)    149.19266
(17011308)    154.27008 (15121020)    129.14482 (15022202)
 3602847.5 |    172.60776 (15121508)    127.90525 (15011201)    174.81567
(17040307)    119.04226 (15031607)     99.25610 (17011308)
 3602597.5 |    144.01098 (15121508)    143.58646 (17021408)    102.49350
(17040307)    135.02505 (17040307)     75.98324 (17010220)
 3602347.5 |     93.60397 (15121508)     92.87402 (15121508)    110.94197
(17021408)     83.93974 (17040307)    107.70469 (17040307)
 3602097.5 |     82.11204 (17010608)     91.18543 (15121508)     78.64891
(17021408)     79.32031 (17021408)     92.59974 (17040307)
 3601847.5 |     70.90005 (17010608)     70.06441 (15121508)     64.61777
(15121508)     77.08194 (17021408)     55.70693 (17021408)
 3601597.5 |     56.55412 (17010608)     48.33544 (17010608)     64.49671
(15121508)     50.28434 (16010602)     66.80013 (17021408)
 3601347.5 |     42.88375 (17010608)     49.42390 (17010608)     54.20952
(15121508)     48.30966 (15121508)     50.65053 (17021408)
 3601097.5 |     37.04579 (17062106)     45.93277 (17010608)     40.32354
(15121508)     48.88111 (15121508)     37.63151 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 620
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP1      ***
                                 INCLUDING SOURCE(S):     SP1         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.57300 (17121809)     11.26980 (17121809)     11.27770
(17121809)      9.01691 (17121809)
 3605847.5 |     12.00015 (17121809)     12.26364 (17121809)      9.64845
(17121809)      8.33422 (17032908)
 3605597.5 |     13.47164 (17121809)     10.37657 (17121809)      8.96797
(17032908)      7.39408 (17032908)
 3605347.5 |     11.23202 (17121809)      9.59664 (17032908)      7.35298
(17032908)      7.71026 (17100708)
 3605097.5 |     12.80955 (15110508)      8.62583 (17100708)      9.65526
(17122309)     12.13210 (17122309)
 3604847.5 |     20.30108 (17100708)     13.98067 (17122309)     16.46659
(16040707)     24.51596 (16040707)
 3604597.5 |     23.03816 (16040707)     33.05052 (16040707)     35.47556
(16040707)     31.48606 (16040707)
```

```
 3604347.5 |     40.77979 (16040707)     29.51493 (16040707)     18.98159
(16040707)     11.37352 (16040707)
 3604097.5 |     15.89544 (17082707)     14.60120 (17082707)     13.80060
(16090707)     13.25563 (16090707)
 3603847.5 |     17.78211 (17030408)     15.86426 (17030408)     14.50616
(17030408)     13.46953 (17030408)
 3603597.5 |     23.31351 (16052106)     14.35653 (15062407)     13.78220
(15062407)     13.20786 (15062407)
 3603347.5 |     54.07118 (15051124)     21.46161 (17062607)     10.46583
(15061907)      9.80460 (15061907)
 3603097.5 |     32.80436 (17122709)     16.41560 (17122709)     15.27990
(17122709)     13.58446 (17122709)
 3602847.5 |    105.76719 (16121122)     36.84822 (15022408)     30.38542
(15022408)     20.05760 (15022408)
 3602597.5 |    102.06812 (15031607)     42.14578 (16040807)     41.67098
(16040807)     31.11521 (15022408)
 3602347.5 |     76.24621 (17040307)     87.69576 (15031607)     58.18799
(16040807)     76.50251 (16040807)
 3602097.5 |    124.30732 (17040307)     63.47518 (17040307)     48.03995
(15031607)     50.30102 (15031607)
 3601847.5 |     77.26783 (17040307)     74.32564 (17040307)     57.71791
(17040307)     37.63565 (17010220)
 3601597.5 |     44.34567 (17022803)     51.38091 (17040307)     63.83416
(17040307)     52.40785 (17040307)
 3601347.5 |     54.57550 (17021408)     36.53481 (17022803)     44.92374
(17040307)     55.23444 (17040307)
 3601097.5 |     50.08990 (17021408)     43.15809 (17021408)     31.61097
(15011201)     39.73652 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 621
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP1      ***
                                INCLUDING SOURCE(S):     SP1         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      483.42598  (16031307)
507708.67   3603932.32      261.56252  (15012708)
        506203.59   3603369.23       60.11509  (17121708)
507919.87   3604794.52      178.71482  (17013021)
        507037.89   3604916.08       82.85110  (15120308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 622
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP10     ***
                                INCLUDING SOURCE(S):     SP10        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.06050 (16020408)     24.18010 (16020408)     27.67300
(16012908)     32.88458 (17020308)     33.28064 (17010508)
 3605847.5 |     32.47399 (15120108)     30.52024 (15020808)     30.94490
(16020408)     29.48877 (15011008)     36.81953 (17020308)
 3605597.5 |     43.90291 (15120108)     44.75118 (15120108)     41.99298
(15120108)     40.22193 (15020808)     41.21998 (16020408)
 3605347.5 |     36.96142 (15120108)     44.31719 (15120108)     51.66504
(15120108)     55.26030 (15120108)     55.30209 (15120108)
 3605097.5 |     29.59376 (17032907)     34.51077 (17032907)     37.70407
(17032907)     46.99135 (15120108)     60.02615 (15120108)
 3604847.5 |     37.45871 (15012708)     39.19455 (15012708)     38.38403
(15012708)     36.90213 (15012708)     45.45661 (17032907)
 3604597.5 |     35.47042 (16020508)     39.17047 (16020508)     42.72230
(16020508)     49.07756 (15012708)     57.72769 (15012708)
 3604347.5 |     26.88793 (15022521)     28.65293 (16011524)     30.89867
(16011524)     37.35517 (16020508)     47.66076 (16020508)
 3604097.5 |     31.53503 (15013008)     35.37883 (15013008)     37.78876
(15013008)     41.28247 (15013008)     45.85830 (15013008)
 3603847.5 |     37.44019 (17121208)     41.29726 (17121208)     47.50373
(17121208)     51.24874 (17121208)     58.81280 (17121208)
 3603597.5 |     27.79575 (17121208)     29.33327 (17121208)     32.19477
(17121208)     34.36481 (17121208)     37.06480 (17010904)
 3603347.5 |     27.08839 (17122908)     31.06858 (17121708)     35.90875
(17121708)     40.23215 (17121708)     44.93169 (17121708)
 3603097.5 |     29.04533 (17121708)     29.45343 (17121708)     29.14171
(15120823)     33.33906 (15011003)     35.70651 (15021021)
 3602847.5 |     24.49925 (15021021)     26.36954 (15122019)     28.71608
(17021301)     31.56285 (17122621)     33.49956 (16010301)
 3602597.5 |     23.81713 (17122621)     25.49658 (17021924)     28.44341
(15012003)     31.84861 (15092907)     37.66763 (15092907)
 3602347.5 |     26.59006 (15092907)     31.23161 (15092907)     32.48316
(15092907)     29.55623 (17121504)     34.63455 (15011108)
 3602097.5 |     27.18597 (15092907)     25.03898 (15011108)     28.49607
(15011108)     34.40671 (17092807)     36.74156 (17092807)
 3601847.5 |     24.91776 (17092807)     31.23474 (17092807)     32.15578
(17092807)     41.75731 (15092707)     50.40269 (15092707)
 3601597.5 |     29.25993 (17092807)     36.07094 (15092707)     44.15307
(15092707)     43.26229 (15092707)     31.73267 (15092707)
 3601347.5 |     39.56406 (15092707)     40.99313 (15092707)     33.82788
(15092707)     26.98699 (15032207)     24.43148 (15032207)
 3601097.5 |     34.72576 (15092707)     24.87542 (15092707)     23.32181
(15032207)     20.16585 (15032207)     20.44403 (17122924)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 623
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP10     ***
```

```
                                   INCLUDING SOURCE(S):     SP10        ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     42.41166 (17040507)     38.34357 (17020108)     44.72038
(17020108)     49.75275 (15032407)     80.72184 (16120208)
 3605847.5 |     41.13420 (17020308)     44.84336 (15021008)     44.47021
(15120308)     50.99351 (17020108)     57.82298 (15032407)
 3605597.5 |     39.02961 (17122119)     49.68538 (17020308)     53.20960
(17010508)     58.20272 (15120308)     60.03356 (17020108)
 3605347.5 |     50.04256 (15020808)     51.34795 (16020408)     53.20371
(16012908)     64.96722 (17020308)     70.48818 (15021008)
 3605097.5 |     69.34819 (15120108)     76.80264 (15120108)     65.03641
(15120108)     66.31119 (16020408)     73.68731 (17020308)
 3604847.5 |     47.39878 (15120108)     67.78817 (15120108)     93.26830
(15120108)    103.27699 (15120108)     93.44638 (15120108)
 3604597.5 |     54.34672 (15012708)     56.90984 (15012708)     53.11197
(17032907)     72.26380 (15120108)    114.47255 (15120108)
 3604347.5 |     59.06089 (16020508)     70.68727 (16020508)     76.57703
(16020508)     74.56337 (15012708)     91.62229 (15012708)
 3604097.5 |     51.05455 (15013008)     59.99010 (15013008)     64.77302
(15013008)     61.56944 (15013008)     65.05053 (16020508)
 3603847.5 |     67.60510 (17121208)     74.02920 (17121208)     77.67603
(17121208)     89.21060 (17121208)     99.73151 (17121208)
 3603597.5 |     42.39579 (17010904)     46.11686 (17010904)     50.29194
(17010904)     60.45429 (17122908)     81.58894 (17121708)
 3603347.5 |     49.62119 (17121708)     53.63707 (17121708)     56.24093
(17121708)     60.68792 (15011003)     71.92694 (15021021)
 3603097.5 |     38.49757 (15122019)     43.87179 (15122019)     49.48642
(17122621)     59.13106 (15012003)     69.06886 (15010407)
 3602847.5 |     37.52289 (15012003)     43.20081 (17012206)     47.79189
(15121423)     57.87704 (17121504)     69.81095 (15011108)
 3602597.5 |     38.03233 (15092907)     43.77886 (15011108)     49.61958
(15011108)     61.58370 (16031707)     81.16366 (15092707)
 3602347.5 |     39.70718 (17092807)     45.55587 (16031707)     62.87655
(15092707)     65.38965 (15092707)     57.46754 (15032207)
 3602097.5 |     50.32774 (15092707)     57.21474 (15092707)     45.95236
(15032207)     43.92892 (15032207)     38.03142 (17122924)
 3601847.5 |     44.87368 (15092707)     37.73173 (15032207)     32.86037
(15032207)     32.38877 (17122924)     34.30463 (17020101)
 3601597.5 |     30.38049 (15032207)     24.87124 (17122921)     27.61071
(15010718)     29.60132 (15121802)     34.02444 (15010508)
 3601347.5 |     22.17250 (17122924)     24.08585 (15010718)     25.58506
(15121802)     29.22752 (15010508)     29.49323 (15010508)
 3601097.5 |     21.54636 (15010718)     22.75814 (16032607)     26.01049
(15010508)     27.02270 (15010508)     27.18842 (15021520)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 624
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP10     ***
```

```
                                   INCLUDING SOURCE(S):     SP10        ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     81.68373 (16120208)     57.66103 (16120708)    105.09483
(15021508)    113.11302 (15021508)     96.17291 (17021508)
 3605847.5 |     90.54752 (16120208)     84.99437 (16120208)     71.14630
(17021401)    138.99547 (15021508)     93.56405 (16100607)
 3605597.5 |     68.23910 (15032407)    101.47477 (16120208)     91.07134
(16120708)    119.56066 (17013021)    134.64430 (15021508)
 3605347.5 |     76.95187 (17020108)     82.25594 (15032407)    111.02157
(16120208)    105.91836 (16120708)    121.47607 (15021508)
 3605097.5 |     84.31227 (17010508)     89.82577 (17020108)    124.14973
(15032407)    152.05414 (16120208)    127.45513 (16120708)
 3604847.5 |     89.70651 (16020408)    114.49428 (17020308)    131.57571
(15120308)    171.79813 (15032407)    229.52150 (16120208)
 3604597.5 |    155.55740 (15120108)    151.42217 (15120108)    134.72743
(16020408)    185.13732 (17010508)    247.05088 (17020108)
 3604347.5 |     95.35321 (15012708)    127.07052 (15120108)    222.07158
(15120108)    286.94541 (15120108)    270.21521 (17020308)
 3604097.5 |     92.57008 (16020508)    133.46425 (16020508)    179.63844
(16020508)    219.70977 (15012708)    321.26954 (15120108)
 3603847.5 |    109.02038 (17121208)    132.89161 (17121208)    162.47178
(17121208)    219.27566 (17121208)    315.37925 (17121208)
 3603597.5 |    100.86637 (17121708)    123.86455 (17121708)    156.60420
(17121708)    170.05955 (17121708)    216.44477 (15122019)
 3603347.5 |     84.21809 (15122019)     95.22793 (17122621)    122.15007
(15010407)    165.40750 (17121504)    226.08591 (16031707)
 3603097.5 |     81.77010 (16122906)     99.04659 (15011108)    129.39641
(16031707)    146.26214 (16031707)    124.99287 (15032207)
 3602847.5 |     88.49129 (16031707)    102.62023 (16031707)    103.61953
(15032207)     86.43467 (15010718)    104.33939 (15010508)
 3602597.5 |     72.07469 (15032207)     70.59589 (15032207)     66.76423
(15010718)     78.43922 (15010508)     87.02129 (16052806)
 3602347.5 |     46.69325 (15032207)     51.00714 (17020101)     62.27933
(15010508)     61.48717 (15021520)     72.34866 (16052806)
 3602097.5 |     40.45150 (17020101)     49.26715 (15010508)     47.66737
(15012007)     61.53707 (16052806)     59.14588 (16021102)
 3601847.5 |     40.14305 (15010508)     39.70398 (17012624)     48.49496
(16052806)     49.48338 (15123108)     52.26320 (15011308)
 3601597.5 |     33.56972 (17012624)     38.21380 (16052806)     42.83989
(16052806)     42.23315 (16021102)     70.58468 (17020408)
 3601347.5 |     31.12223 (17011608)     38.58634 (16052806)     36.75240
(15123108)     38.96242 (15041007)     82.90751 (17020408)
 3601097.5 |     33.27603 (16052806)     33.37076 (15123108)     33.48355
(15020621)     49.20504 (17020408)     80.17321 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 625
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP10     ***
```

```
                                    INCLUDING SOURCE(S):     SP10        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     38.09853 (15082706)     67.08799 (17022408)     25.18470
(15123009)     15.75828 (15123009)     56.62092 (17032607)
 3605847.5 |     95.95390 (17021508)    109.06973 (16120908)     54.19809
(17022408)     34.77914 (16091507)    120.68789 (17032607)
 3605597.5 |    126.06708 (17021508)    139.11501 (16120908)     92.22777
(16020207)    131.84582 (15010907)    116.25281 (17032607)
 3605347.5 |     93.99668 (17010724)    157.00021 (16120908)     88.44998
(17022408)     51.76746 (16091507)    126.60742 (17011124)
 3605097.5 |    171.08113 (15021508)    138.13711 (17070706)     55.72149
(17022408)     45.35430 (17032607)     26.81548 (15021124)
 3604847.5 |    193.51302 (15123006)    177.31725 (17021508)     66.76161
(17022408)     74.58118 (17032607)     15.31272 (15022208)
 3604597.5 |    352.67396 (16120708)    257.31683 (15021508)     94.99220
(15092607)    136.77983 (17032607)     47.37609 (16111708)
 3604347.5 |    392.97884 (17020108)    598.56355 (16120708)    231.98962
(16120206)    258.39124 (17032607)     80.25151 (17020109)
 3604097.5 |    718.44825 (15120108)    756.31240 (15021008)   1153.02992
(16021523)   1280.30665 (16120120)    337.29758 (17032121)
 3603847.5 |    507.80743 (17121208)    791.40218 (15013008)   3440.46667
(15012708)   2574.12967 (16030702)    269.05954 (17103122)
 3603597.5 |    351.99173 (15010407)    652.13140 (16031707)   1022.69236
(16052806)    339.15142 (15012817)    166.43085 (16040807)
 3603347.5 |    269.39041 (15032207)    273.86558 (15010508)    538.40184
(17122108)    599.21748 (17010608)    108.30515 (17020419)
 3603097.5 |    160.95030 (15010508)    189.86599 (15123108)    232.98399
(15021703)    345.19070 (17062106)    377.18261 (15121508)
 3602847.5 |    132.10014 (16052806)    165.86738 (17012608)    169.69274
(15011408)    194.14823 (17010308)    164.76393 (17010608)
 3602597.5 |     95.46128 (16021102)    149.19845 (17020408)    136.32189
(15011408)    145.88122 (17010308)    141.63908 (17010608)
 3602347.5 |     82.39261 (17012608)     98.72843 (17020408)    108.56195
(15120608)    115.69593 (17010308)     99.63596 (17010608)
 3602097.5 |    104.95147 (17020408)     65.04433 (16120822)     91.41981
(15120608)     91.48548 (17010308)     74.22782 (15020520)
 3601847.5 |    102.12147 (17020408)     54.80536 (15021703)     78.92950
(15120608)     74.76422 (17010308)     65.41033 (17062106)
 3601597.5 |     79.00686 (17020408)     49.50309 (16012208)     68.28585
(15120608)     62.59931 (17010308)     60.63625 (17062106)
 3601347.5 |     53.97329 (17020408)     46.42214 (16012208)     60.73122
(15120608)     53.26355 (17010308)     53.82058 (17062106)
 3601097.5 |     39.95636 (17111908)     42.92612 (16012208)     54.70080
(15120608)     46.29650 (17010308)     46.61708 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 626
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP10     ***
```

```
                                    INCLUDING SOURCE(S):     SP10        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     14.01635 (17032607)     16.39719 (16083007)     13.31895
(16111708)     15.70247 (17020109)     10.01148 (17020109)
 3605847.5 |     12.73638 (16010705)     86.04804 (15122821)     23.02843
(17091007)     13.74050 (17020109)     12.05938 (17121809)
 3605597.5 |     79.71545 (15021924)     64.55240 (17060105)     36.01902
(17020109)     22.76875 (17121809)     19.22816 (17121809)
 3605347.5 |    110.91031 (15122821)     90.52403 (15092321)     95.56327
(16072606)     24.72730 (17012509)     17.47443 (17121809)
 3605097.5 |     36.63427 (16083007)     20.09650 (17020109)     28.23271
(17012509)     54.24043 (17090523)     17.57227 (15110508)
 3604847.5 |     27.60182 (17020109)     25.14788 (17121809)     22.47530
(17121809)     16.76657 (17032908)     17.17606 (15112909)
 3604597.5 |     27.51745 (16092207)     26.54994 (17121809)     16.80793
(17032908)     17.77907 (17122309)     25.95800 (17122309)
 3604347.5 |     52.87716 (17012609)     46.19452 (17100708)     46.14392
(17032608)     65.32745 (16040707)     58.38037 (16040707)
 3604097.5 |    106.67176 (17122309)     96.48795 (16040707)     35.80550
(16040707)     25.22647 (17082707)     23.81742 (17082707)
 3603847.5 |    115.76355 (15061006)     80.57427 (17030408)     46.79728
(17030408)     33.76866 (17030408)     26.89019 (17030408)
 3603597.5 |     85.72041 (15022408)     52.25690 (17062607)     45.65240
(17062607)     36.87547 (17062607)     28.90293 (15061907)
 3603347.5 |    165.40686 (16111408)    114.08052 (16040807)    153.92972
(15022408)     57.12414 (17122709)     86.09823 (15091922)
 3603097.5 |     63.63019 (16040518)    306.68743 (17040307)    189.76456
(15031607)    170.67093 (16040807)    148.13441 (15022202)
 3602847.5 |    257.78254 (15020908)    151.84582 (15011201)    182.71373
(17040307)    157.25136 (15031607)    125.89996 (17011308)
 3602597.5 |    158.44178 (15121508)    156.78395 (17021408)    115.46549
(15011201)    153.59508 (17040307)     98.99397 (16122817)
 3602347.5 |    105.35561 (15121508)     98.48117 (16010602)    116.24894
(17021408)     84.12386 (15011201)    117.37752 (17040307)
 3602097.5 |     72.22261 (17010608)     92.93606 (15121508)     90.43850
(17021408)     75.39202 (15021604)     99.62987 (15011201)
 3601847.5 |     74.15038 (17010608)     77.26550 (15121508)     64.14396
(16010602)     82.72843 (17021408)     65.02907 (17022803)
 3601597.5 |     63.84269 (17010608)     51.27296 (15121508)     63.57527
(15121508)     56.05117 (16010602)     69.18255 (17021408)
 3601347.5 |     50.29345 (17010608)     46.09613 (15011204)     55.01957
(15121508)     43.38371 (16010602)     55.12333 (17021408)
 3601097.5 |     41.39323 (15020520)     47.36296 (17010608)     42.01798
(15121508)     48.57815 (15121508)     43.75990 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 627
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP10     ***
```

```
                              INCLUDING SOURCE(S):     SP10        ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      510368.86               510618.86               510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.31994 (17121809)     16.36164 (17121809)     13.36973
(17121809)     10.75284 (17032908)
 3605847.5 |     17.71651 (17121809)     14.47274 (17121809)     11.84859
(17032908)     10.63606 (17032908)
 3605597.5 |     15.81022 (17121809)     13.04368 (17032908)     10.71682
(17032908)      8.35301 (17100708)
 3605347.5 |     14.36282 (17032908)     10.41105 (17032908)     10.34868
(17100708)     10.91134 (17100708)
 3605097.5 |     10.76003 (17100708)     12.34866 (17100708)     14.17520
(17122309)     18.07930 (17122309)
 3604847.5 |     20.24835 (16082307)     21.18475 (17122309)     25.26154
(16040707)     39.07237 (16040707)
 3604597.5 |     40.05013 (16040707)     51.67403 (16040707)     43.55857
(16040707)     27.92629 (16040707)
 3604347.5 |     32.38180 (16040707)     13.82167 (16040707)     15.01119
(17082707)     15.83228 (17082707)
 3604097.5 |     21.15198 (16090707)     20.72784 (16090707)     19.42541
(16090707)     17.75756 (16090707)
 3603847.5 |     23.04653 (17030408)     21.04200 (15062407)     19.51266
(15062407)     18.22973 (15062407)
 3603597.5 |     26.12723 (15061907)     18.93999 (15061907)     16.45360
(17042907)     14.35828 (17042907)
 3603347.5 |     43.72354 (17122709)     20.36879 (17082908)     13.33213
(17062607)     11.96176 (17062607)
 3603097.5 |     39.44782 (15022408)     20.92288 (17122709)     20.72517
(17122709)     18.51798 (17122709)
 3602847.5 |    136.43263 (16040807)     48.34803 (15022408)     40.80318
(15022408)     22.07147 (15022408)
 3602597.5 |     70.60099 (15011223)     49.87607 (16040807)     56.73173
(16040807)     39.93815 (15022408)
 3602347.5 |     82.32614 (16011523)     82.32610 (15031607)     40.97875
(15062224)     95.02228 (16040807)
 3602097.5 |    125.26414 (17040307)     62.87450 (16011523)     57.46078
(17010220)     58.56100 (15031607)
 3601847.5 |     85.12688 (17021919)     77.93724 (17040307)     53.66045
(17040307)     46.30032 (17010220)
 3601597.5 |     55.81888 (17022803)     46.81452 (17040307)     69.10360
(17040307)     47.10337 (17040307)
 3601347.5 |     53.46008 (17021408)     37.81605 (17022803)     39.37508
(17040307)     56.77762 (17040307)
 3601097.5 |     51.45033 (17021408)     40.32596 (17011302)     33.99522
(15011201)     36.78968 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 628
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP10     ***
                              INCLUDING SOURCE(S):     SP10        ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1803.94718  (15120108)
507708.67   3603932.32      339.58952  (16020508)
        506203.59   3603369.23       63.86944  (15011003)
507919.87   3604794.52      198.07483  (15021508)
        507037.89   3604916.08      120.21775  (15120308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 629
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP11     ***
                              INCLUDING SOURCE(S):     SP11        ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      504118.86               504368.86               504618.86
504868.86             505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.21598 (15020808)     26.93950 (16020408)     25.91236
(17010607)     32.14280 (17020308)     33.78134 (17020308)
 3605847.5 |     37.15104 (15120108)     32.22742 (15120108)     32.45369
(15020808)     33.05237 (16020408)     34.19058 (16012908)
 3605597.5 |     43.24844 (15120108)     47.22806 (15120108)     47.21867
(15120108)     44.04738 (15120108)     43.17786 (15020808)
 3605347.5 |     31.14058 (17032907)     39.45866 (15120108)     49.26935
(15120108)     56.66316 (15120108)     61.36862 (15120108)
 3605097.5 |     31.45143 (15012708)     31.61898 (17032907)     36.68443
(17032907)     38.45819 (15120108)     53.70725 (15120108)
 3604847.5 |     36.74152 (15012708)     39.72010 (15012708)     40.86346
(15012708)     41.66428 (15012708)     43.96661 (15012708)
 3604597.5 |     31.60900 (16020508)     36.65051 (16020508)     41.70990
(16020508)     47.98809 (16020508)     55.32561 (15012708)
 3604347.5 |     28.44166 (15013008)     29.15316 (15013008)     31.01802
(16011524)     34.56219 (15022521)     38.99278 (16011524)
 3604097.5 |     30.02153 (15013008)     33.77343 (15013008)     36.48307
(15013008)     40.42515 (15013008)     45.27987 (15013008)
 3603847.5 |     36.85646 (17121208)     40.55398 (17121208)     46.42330
(17121208)     50.09359 (17121208)     57.22716 (17121208)
 3603597.5 |     25.01132 (17010904)     27.07512 (17010904)     30.53738
(17010904)     33.43881 (17010904)     35.60383 (16121222)
 3603347.5 |     29.52713 (17121708)     33.22599 (17121708)     36.89923
(17121708)     39.87911 (17121708)     42.65652 (17121708)
```

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 3603097.5 |     25.12109 (17121708)     26.24659 (15011003)     28.48907
(15021021)     32.87606 (15021021)     34.54763 (15122019)
 3602847.5 |     23.89869 (15122019)     25.24388 (17021301)     28.77128
(17122621)     30.18188 (16010301)     33.44482 (15012003)
 3602597.5 |     23.25987 (17021924)     25.30174 (15012003)     29.01478
(15092907)     34.89647 (15092907)     36.10372 (15092907)
 3602347.5 |     29.01301 (15092907)     31.04213 (15092907)     29.03454
(15092907)     29.86828 (15011108)     34.03395 (15011108)
 3602097.5 |     22.97276 (15092907)     25.66198 (15011108)     30.30143
(17092807)     34.97440 (17092807)     40.99537 (15092707)
 3601847.5 |     28.21630 (17092807)     31.44843 (17092807)     33.71775
(15092707)     45.16101 (15092707)     47.82373 (15092707)
 3601597.5 |     29.56027 (15092707)     39.81852 (15092707)     43.39027
(15092707)     37.12064 (15092707)     29.79946 (15032207)
 3601347.5 |     40.02122 (15092707)     37.43556 (15092707)     27.37109
(15092707)     25.45230 (15032207)     21.78012 (15032207)
 3601097.5 |     29.86507 (15092707)     22.95207 (15032207)     21.29866
(15032207)     18.43550 (17122921)     19.97584 (17122924)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 630
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP11     ***
                                INCLUDING SOURCE(S):     SP11        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     40.11343 (17040507)     41.26728 (17040507)     45.96537
(17020108)     48.31589 (15032407)     71.47667 (16120208)
 3605847.5 |     42.22841 (17020308)     43.75960 (17010508)     48.57321
(17040507)     50.55124 (17020108)     55.95837 (15032407)
 3605597.5 |     41.72194 (16020408)     45.70840 (16012908)     53.65568
(17020308)     59.20510 (15021008)     55.93740 (17020108)
 3605347.5 |     57.94336 (15120108)     54.23787 (15020808)     52.65820
(16020408)     63.61249 (17020308)     68.89929 (17010508)
 3605097.5 |     67.79886 (15120108)     82.53565 (15120108)     80.29013
(15120108)     70.97508 (15020808)     65.15946 (17122119)
 3604847.5 |     43.26981 (17032907)     55.88516 (15120108)     84.00575
(15120108)    106.32602 (15120108)    113.46298 (15120108)
 3604597.5 |     54.82967 (15012708)     61.21326 (15012708)     59.21633
(15012708)     62.80136 (17032907)     91.01874 (15120108)
 3604347.5 |     49.12725 (16020508)     62.11609 (16020508)     72.49622
(16020508)     75.13408 (16020508)     90.68515 (15012708)
 3604097.5 |     51.40199 (15013008)     61.76414 (15013008)     68.55787
(15013008)     67.84335 (15013008)     72.09815 (15013008)
 3603847.5 |     65.64024 (17121208)     71.65861 (17121208)     75.25111
(17121208)     86.10290 (17121208)     96.39623 (17121208)
 3603597.5 |     42.17070 (17122908)     48.13411 (17121708)     56.40762
(17121708)     69.19539 (17121708)     88.99586 (17121708)
 3603347.5 |     44.15438 (17121708)     44.57900 (17121708)     49.64585
(15021021)     58.80342 (15021021)     67.63519 (17122621)
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 3603097.5 |     36.70393 (17021301)     43.56421 (17122621)     47.81668
(15012003)     56.81123 (15010407)     66.63205 (16122906)
 3602847.5 |     36.30235 (15010407)     43.14169 (15092907)     47.17726
(16122906)     58.05431 (15011108)     71.98500 (17121308)
 3602597.5 |     36.75441 (15011108)     43.81203 (15011108)     50.31191
(17121308)     64.04764 (15092707)     76.73857 (15092707)
 3602347.5 |     40.75999 (17092807)     50.90841 (15092707)     63.70486
(15092707)     53.16754 (15092707)     51.40128 (15032207)
 3602097.5 |     53.06592 (15092707)     51.16791 (15092707)     43.90088
(15032207)     37.63315 (15032207)     36.72008 (15010718)
 3601847.5 |     36.18024 (15092707)     34.33863 (15032207)     28.05440
(17122921)     31.33842 (15010718)     33.68871 (16032607)
 3601597.5 |     26.82618 (15032207)     24.71364 (17122924)     26.56540
(15010718)     29.19501 (16032607)     33.78823 (15010508)
 3601347.5 |     22.06996 (17122924)     23.19212 (17011023)     25.33638
(16032607)     29.18784 (15010508)     27.68440 (17012624)
 3601097.5 |     20.84150 (17011023)     22.52566 (16032607)     26.10544
(15010508)     24.79173 (16121205)     26.40207 (17011608)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 631
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP11     ***
                                INCLUDING SOURCE(S):     SP11        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     91.41986 (16120208)     65.17855 (16120708)     92.55546
(15021508)    128.88424 (15021508)     88.53359 (17021508)
 3605847.5 |     81.31288 (16120208)     99.86210 (16120208)     76.63067
(16120708)    134.25389 (15021508)     99.80511 (16100607)
 3605597.5 |     64.34326 (15032407)     92.06003 (17013108)    100.37127
(16120208)    117.34104 (16010223)    153.45416 (15021508)
 3605347.5 |     70.39247 (15120308)     77.51679 (17020108)    114.51604
(17013108)    113.54421 (16120708)    107.71955 (15021508)
 3605097.5 |     86.87072 (17020308)     97.64108 (15120308)    116.71854
(17020108)    151.32974 (17013108)    153.85931 (16120708)
 3604847.5 |     98.03613 (15020808)    102.55817 (16012908)    132.98226
(15021008)    175.09219 (17020108)    271.10839 (17013108)
 3604597.5 |    145.91298 (15120108)    179.95772 (15120108)    154.22328
(15020808)    193.15855 (17020308)    246.84385 (17020108)
 3604347.5 |    105.79604 (15012708)    113.63966 (15012708)    174.50974
(15120108)    317.22142 (15120108)    306.05685 (15120108)
 3604097.5 |     84.60559 (15013008)    101.46079 (15013008)    155.15697
(16020508)    210.83480 (16020508)    305.36571 (15012708)
 3603847.5 |    107.02533 (17121208)    129.67027 (17121208)    159.26331
(17121208)    209.22483 (17121208)    292.72581 (17121208)
 3603597.5 |    101.20310 (17121708)    110.31218 (17121708)    122.37886
(15021021)    145.68643 (17122621)    201.72928 (17021924)
 3603347.5 |     81.00794 (17122621)     91.42943 (15010407)    117.71420
(16122906)    168.16061 (17121308)    207.42334 (16031707)
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 3603097.5 |     79.75018 (15011108)     99.65212 (17121308)    127.82974
(16031707)    131.56930 (15032207)    111.32111 (17011023)
 3602847.5 |     90.34899 (16031707)     88.12983 (15032207)     87.01860
(15032207)     80.24795 (17020101)     92.51822 (15010508)
 3602597.5 |     68.10870 (15032207)     55.67763 (17122924)     63.28116
(15121802)     72.46983 (15010508)     86.34898 (16052806)
 3602347.5 |     44.87695 (17122924)     48.99691 (16032607)     59.14281
(15010508)     61.99590 (16052806)     67.93155 (15123108)
 3602097.5 |     39.44968 (16032607)     47.71644 (15010508)     45.92617
(15021520)     57.56369 (16052806)     55.66093 (15020621)
 3601847.5 |     39.43528 (15010508)     38.52356 (15012007)     47.64333
(16052806)     45.61104 (15123108)     51.94339 (15011308)
 3601597.5 |     32.09734 (15012007)     38.69630 (16052806)     39.84229
(15123108)     40.26799 (15020621)     74.37840 (17020408)
 3601347.5 |     30.45646 (16052806)     36.83785 (16052806)     34.72299
(16021102)     38.76762 (15041007)     82.75159 (17020408)
 3601097.5 |     32.56906 (16052806)     32.12898 (15123108)     32.18333
(15020621)     53.84917 (17020408)     76.44410 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 632
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP11     ***
                                INCLUDING SOURCE(S):     SP11        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     45.64802 (17070706)     64.85439 (17022408)     25.63296
(15123009)     16.45731 (15123009)     58.11168 (17032607)
 3605847.5 |    109.39191 (17021508)    133.66837 (16120908)     59.11915
(17022408)     40.38863 (15111919)    121.64286 (17032607)
 3605597.5 |    125.44403 (17021508)    149.17318 (16120908)     95.07117
(16020207)    119.72543 (15010907)    115.87397 (17120924)
 3605347.5 |     97.88999 (16100607)    155.97769 (16120908)     96.38595
(17022408)     54.51257 (16091507)    152.38617 (17011124)
 3605097.5 |    184.54937 (15021508)    170.26279 (16012808)     59.49789
(17022408)     50.04969 (17032607)     28.17687 (16010705)
 3604847.5 |    229.94270 (15011206)    214.44287 (16100607)     76.09702
(15092607)     85.42652 (17032607)     21.25724 (16111708)
 3604597.5 |    401.90264 (17013108)    287.09941 (15021508)     99.06882
(15092607)    165.16170 (17032607)     54.56688 (16111708)
 3604347.5 |    386.22805 (15021008)    671.24410 (17013108)    340.20060
(17092922)    303.32230 (17032607)     76.12565 (16092207)
 3604097.5 |    592.99280 (15120108)    927.64386 (15120108)   1892.76396
(16120708)   1599.90167 (16120518)    470.68176 (17110207)
 3603847.5 |    450.70059 (17121208)    717.61582 (17121708)   2088.81051
(17122621)   4174.68810 (16123020)    410.89054 (17051401)
 3603597.5 |    341.13072 (15011108)    486.44734 (15032207)    673.82823
(16021102)    392.73050 (15092522)    259.65594 (16013009)
 3603347.5 |    184.14354 (17122924)    253.30809 (16052806)    399.24996
(17122108)    483.90446 (17062106)    108.44551 (15122118)
```

```
 3603097.5 |    132.05645 (15012007)    167.07555 (16021102)    208.89283
(16012208)    308.53640 (17010308)    329.10486 (15121508)
 3602847.5 |    117.86588 (16052806)    156.25966 (17020408)    155.95716
(15011408)    178.60069 (17010308)    165.24902 (17010608)
 3602597.5 |     87.92526 (15020621)    136.79590 (17020408)    125.40789
(15011408)    135.08215 (17010308)    129.12759 (17010608)
 3602347.5 |     84.58717 (17020408)     84.72119 (17020408)    101.96378
(15120608)    107.50015 (17010308)     86.78435 (17010608)
 3602097.5 |    105.77272 (17020408)     61.14726 (16120822)     86.90318
(15120608)     85.68062 (17010308)     70.25607 (17062106)
 3601847.5 |     96.15922 (17020408)     52.09489 (15021703)     75.09251
(15120608)     70.34101 (17010308)     63.13874 (17062106)
 3601597.5 |     71.31404 (17020408)     48.14032 (16012208)     65.35455
(15120608)     59.12314 (17010308)     57.89361 (17062106)
 3601347.5 |     47.72231 (17020408)     44.74367 (16012208)     57.98715
(15120608)     50.59110 (17010308)     51.23208 (17062106)
 3601097.5 |     38.02662 (17111908)     41.19663 (16012208)     52.28224
(15120608)     43.63804 (17010308)     44.42189 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 633
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP11     ***
                                INCLUDING SOURCE(S):     SP11        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.05469 (17032607)     18.42478 (16083007)     13.43244
(17020109)     15.55643 (17020109)      8.95592 (17020109)
 3605847.5 |     12.77352 (16010705)     89.80803 (15122821)     22.75373
(17091007)     12.70990 (17020109)     14.34328 (17121809)
 3605597.5 |     90.66583 (15021924)     77.70742 (15052306)     45.26627
(16101307)     28.76721 (17121809)     19.98575 (17121809)
 3605347.5 |    129.38251 (15122821)    106.17332 (17032207)    106.31491
(16072606)     24.15568 (17012509)     14.88829 (17121809)
 3605097.5 |     37.21001 (16083007)     18.03402 (17020109)     28.47326
(17012509)     66.09049 (15090405)     19.03811 (15110508)
 3604847.5 |     27.83100 (17020109)     29.54995 (17121809)     20.04174
(17032908)     14.18701 (17032908)     30.44966 (17100708)
 3604597.5 |     34.91490 (17121809)     24.82220 (17032908)     18.58511
(17100708)     25.61417 (17122309)     34.81801 (16040707)
 3604347.5 |     52.14868 (15082707)     48.41155 (17100708)     64.98230
(16040707)     68.90016 (16040707)     38.00127 (16040707)
 3604097.5 |    252.57803 (16040707)     60.62270 (17082707)     30.72371
(17082707)     26.44316 (16090707)     25.37760 (16090707)
 3603847.5 |    167.78160 (15082523)     85.56898 (15062407)     36.33268
(15062407)     31.84333 (15062407)     28.43681 (15062407)
 3603597.5 |    139.87427 (16040807)     51.37630 (16021802)     67.66684
(17122709)     39.62207 (17062607)     24.22749 (15020117)
 3603347.5 |     96.43043 (16013009)     70.76261 (15012409)    182.35511
(16040807)     58.34994 (15022408)    101.71627 (15012119)
```

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 3603097.5 |     58.19559 (17020419)    353.95844 (17040307)    174.89035
(15031607)    187.09825 (17011308)    161.45312 (16121122)
 3602847.5 |    224.93343 (15121506)    139.29913 (17022803)    177.12610
(17040307)    126.47787 (16122817)    113.17681 (15031607)
 3602597.5 |    147.63337 (15121508)    137.51687 (17021408)    101.55489
(17022803)    145.00925 (17040307)     98.16804 (16011523)
 3602347.5 |     88.66417 (15121508)     84.89830 (16010602)    118.60650
(17021408)     78.93644 (15011201)    108.72510 (17040307)
 3602097.5 |     73.84573 (17010608)     89.75589 (15121508)     76.70175
(16010602)     83.87917 (17021408)    104.53985 (15011201)
 3601847.5 |     71.24166 (17010608)     68.93307 (15121508)     60.46664
(15121508)     73.85223 (17021408)     61.78120 (15021604)
 3601597.5 |     59.24843 (17010608)     50.18242 (15022808)     62.51225
(15121508)     53.40305 (16010602)     67.86665 (17021408)
 3601347.5 |     45.73839 (17010608)     46.75409 (17010608)     51.06983
(15121508)     45.44196 (15121508)     48.56885 (15020908)
 3601097.5 |     39.72164 (15020520)     46.57979 (17010608)     37.42570
(15022808)     48.22690 (15121508)     40.44984 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 634
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP11     ***
                                 INCLUDING SOURCE(S):     SP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     14.04346 (17121809)     16.55732 (17121809)     12.07563
(17121809)     11.22349 (17032908)
 3605847.5 |     18.10697 (17121809)     12.94969 (17121809)     12.13674
(17032908)      9.73994 (17032908)
 3605597.5 |     13.78819 (17121809)     13.12563 (17032908)      9.50377
(17032908)      9.24412 (17100708)
 3605347.5 |     13.93936 (17032908)      9.43468 (17100708)     11.22332
(17100708)     10.99507 (17100708)
 3605097.5 |     12.32554 (17100708)     12.75915 (17100708)     17.54283
(17122309)     19.03128 (17122309)
 3604847.5 |     22.14467 (16082307)     22.11714 (17122309)     37.89060
(16040707)     44.76607 (16040707)
 3604597.5 |     54.51330 (16040707)     49.22670 (16040707)     31.70026
(16040707)     16.48795 (16040707)
 3604347.5 |     15.25510 (17082707)     17.22748 (17082707)     17.60313
(17082707)     16.93257 (17082707)
 3604097.5 |     22.93105 (16090707)     20.12126 (16090707)     17.38682
(16121409)     15.87404 (16121409)
 3603847.5 |     25.73702 (15062407)     23.56259 (15062407)     21.76827
(15062407)     20.27330 (15062407)
 3603597.5 |     23.05805 (15061907)     19.15023 (15061907)     16.37754
(15061907)     13.70859 (15061907)
 3603347.5 |     49.04983 (17122709)     20.22338 (17122709)     15.48922
(17122709)     12.47877 (17062607)
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 3603097.5 |     53.23837 (15022408)     30.15786 (15022408)     19.60203
(17122709)     19.32301 (17122709)
 3602847.5 |    125.97701 (16040807)     56.06713 (16040807)     46.16065
(15022408)     33.78552 (15022408)
 3602597.5 |     85.48462 (15011223)     33.40233 (16040807)     55.42330
(16040807)     47.77646 (16040807)
 3602347.5 |     88.53262 (17040307)     83.87319 (17010220)     46.40923
(16071324)     73.14107 (16040807)
 3602097.5 |    122.23495 (17040307)     71.64701 (17040307)     56.40044
(17010220)     57.10822 (15031607)
 3601847.5 |     87.03854 (15011201)     71.70630 (17040307)     60.24569
(17040307)     44.44279 (16011523)
 3601597.5 |     54.31718 (17022803)     46.13335 (15011201)     63.13014
(17040307)     51.60320 (17040307)
 3601347.5 |     56.36150 (17021408)     38.86382 (17022803)     38.33190
(15011201)     52.03719 (17040307)
 3601097.5 |     46.76725 (17021408)     43.92726 (17021408)     32.86897
(17022803)     34.95158 (15011201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 635
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP11     ***
                                 INCLUDING SOURCE(S):     SP11        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1427.69203  (15012708)
507708.67   3603932.32      326.91902  (17121208)
        506203.59   3603369.23       61.91415  (15021021)
507919.87   3604794.52      219.45274  (17010802)
        507037.89   3604916.08      123.14480  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 636
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP15     ***
                                 INCLUDING SOURCE(S):     SP15        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
```

```
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.76909 (15011008)    31.52284 (16012908)     38.03632
(17020308)     38.81916 (17010508)    46.76461 (17040507)
 3605847.5 |     35.09324 (15020808)    35.75410 (16020408)     33.30832
(15011008)     41.32963 (16012908)    48.28522 (17020308)
 3605597.5 |     45.46615 (15120108)    39.56247 (15040607)     43.98869
(15020808)     46.70410 (16020408)    44.87510 (17122119)
 3605347.5 |     52.43343 (15120108)    58.19181 (15120108)     57.81662
(15120108)     47.81748 (15120108)    54.81329 (15020808)
 3605097.5 |     40.63763 (17032907)    42.67772 (17032907)     54.36785
(15120108)     66.19809 (15120108)    73.60801 (15120108)
 3604847.5 |     40.68800 (15012708)    41.07671 (16122808)     41.05649
(17032907)     49.31711 (17032907)    56.81637 (17032907)
 3604597.5 |     45.27922 (16020508)    49.20793 (15012708)     54.91294
(15012708)     59.96095 (15012708)    61.95391 (15012708)
 3604347.5 |     33.91279 (16022705)    37.58142 (16020508)     47.32921
(16020508)     58.11434 (16020508)    69.39885 (16020508)
 3604097.5 |     38.19138 (15013008)    41.29871 (15013008)     42.26602
(15013008)     45.13501 (16121105)    50.39785 (15022521)
 3603847.5 |     37.52586 (17121208)    40.84539 (17121208)     45.67927
(17121208)     49.22483 (15013008)    57.79820 (15013008)
 3603597.5 |     42.24661 (17121208)    45.45755 (17121208)     50.83830
(17121208)     55.14602 (17121208)    58.74339 (17121208)
 3603347.5 |     31.69910 (17010904)    34.88861 (16011622)     38.52902
(16121222)     42.98765 (16121222)    49.92312 (17122908)
 3603097.5 |     39.62849 (17121708)    42.70607 (17121708)     44.50776
(17121708)     47.24110 (17121708)    46.61823 (15120823)
 3602847.5 |     31.76804 (15011003)    34.59653 (15021021)     38.39271
(15021021)     41.22152 (15122019)    43.89211 (17021301)
 3602597.5 |     30.55340 (17021301)    33.77352 (17122621)     36.38066
(16031807)     40.61364 (15012003)    44.04252 (15010407)
 3602347.5 |     30.61539 (15012003)    32.71342 (15010407)     42.08753
(15092907)     44.89432 (15092907)    43.26101 (17121504)
 3602097.5 |     39.49795 (15092907)    35.48900 (15092907)     34.58920
(17121504)     39.65120 (15011108)    49.26687 (17092807)
 3601847.5 |     29.73080 (15011108)    33.00031 (15011108)     43.49998
(17092807)     41.10958 (17092807)    60.83739 (15092707)
 3601597.5 |     39.82238 (17092807)    37.31275 (17092807)     49.89210
(15092707)     61.57784 (15092707)    47.59821 (15092707)
 3601347.5 |     42.42574 (15092707)    55.68662 (15092707)     50.24086
(15092707)     35.79387 (15032207)    33.36216 (15032207)
 3601097.5 |     50.44894 (15092707)    34.91626 (15092707)     31.44290
(15032207)     26.11469 (15032207)    26.12928 (16011423)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 637
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                           *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP15      ***
                                 INCLUDING SOURCE(S):      SP15         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)

  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     44.53048 (17040507)    55.56888 (17020108)     54.88685
(15032407)     69.23783 (17013108)   109.19273 (16120208)
 3605847.5 |     50.94428 (15021008)    56.96242 (17040507)     62.59812
(17020108)     57.38927 (15032407)    80.94230 (17013108)
 3605597.5 |     55.66983 (17020308)    59.44862 (17010508)     67.72068
(17040507)     69.44214 (17020108)    64.87723 (15032407)
 3605347.5 |     57.30964 (16020408)    57.79504 (17010607)     74.93781
(17020308)     79.53756 (15021008)    79.08777 (16021022)
 3605097.5 |     65.67720 (15120108)    71.90408 (15020808)     72.60281
(16020408)     80.40836 (16012908)    91.59917 (17010508)
 3604847.5 |     72.18020 (15120108)    93.27741 (15120108)    100.97153
(15120108)     91.73350 (15020808)    93.31226 (16020408)
 3604597.5 |     54.22493 (16122808)    68.11568 (17032907)     71.53317
(15120108)    117.06417 (15120108)   145.80574 (15120108)
 3604347.5 |     77.30378 (16020508)    89.27387 (15012708)     95.38745
(15012708)     79.72498 (16122808)    99.51976 (17032907)
 3604097.5 |     57.20165 (15022521)    68.11765 (15012202)     78.42360
(16020508)     92.50087 (16020508)   111.28464 (16020508)
 3603847.5 |     67.51368 (15013008)    76.21823 (15013008)     83.18203
(15013008)     97.34815 (15013008)   110.16802 (15013008)
 3603597.5 |     66.09100 (17121208)    69.88514 (17121208)     75.16816
(17121208)     84.10147 (17121208)   101.15668 (17121208)
 3603347.5 |     57.91176 (17122908)    69.42209 (17121708)     82.11676
(17121708)     97.80403 (17121708)   106.63599 (17121708)
 3603097.5 |     50.59335 (15011003)    59.38128 (15021021)     65.40753
(15122019)     77.09951 (17122621)    89.74054 (17122621)
 3602847.5 |     49.20809 (17122621)    57.18767 (15012003)     63.68025
(15010407)     74.56169 (15121423)    90.93431 (17121504)
 3602597.5 |     52.38521 (15092907)    56.31358 (16122906)     62.61043
(15011108)     76.94604 (17121308)    94.59471 (16031707)
 3602347.5 |     50.26760 (15011108)    58.19238 (17121308)     66.29277
(16031707)     93.50472 (15092707)    77.40748 (15032207)
 3602097.5 |     48.75886 (16031707)    74.36840 (15092707)     72.10988
(15092707)     62.05281 (15032207)    49.97305 (17122921)
 3601847.5 |     67.54601 (15092707)    50.35720 (15032207)     45.84435
(15032207)     42.08128 (17122924)    46.01876 (17011023)
 3601597.5 |     41.84834 (15032207)    33.97713 (16020522)     36.76337
(17122924)     39.29950 (17020101)    41.75979 (16032607)
 3601347.5 |     29.30274 (17122921)    31.90472 (17122924)     33.93792
(17020101)     35.78639 (16032607)    41.18622 (15010508)
 3601097.5 |     28.82916 (15010718)    29.97712 (17020101)     31.70494
(16032607)     37.15482 (15010508)    36.06020 (15012007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 638
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                           *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP15      ***
                                 INCLUDING SOURCE(S):      SP15         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
```

```
 (METERS) |      506618.86             506868.86             507118.86
507368.86             507618.86
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |    76.27638 (16120708)    64.73992 (16010223)   163.22367
(15021508)    72.42537 (15121303)   136.25258 (17021508)
 3605847.5 |   115.54962 (16120208)    88.91710 (16120708)    87.07261
(17013021)   158.98310 (15021508)   116.07390 (16020419)
 3605597.5 |    96.47588 (17013108)   117.98056 (16120208)    87.99913
(16010908)   170.84917 (15021508)   129.70975 (16100607)
 3605347.5 |    89.36305 (17020108)   117.76439 (17013108)   111.49230
(16120208)   101.13521 (16010223)   152.77211 (15021508)
 3605097.5 |   101.18622 (15120308)   125.22309 (17020108)   176.26877
(17013108)   155.95856 (16120708)   148.45564 (15011121)
 3604847.5 |   119.06019 (17020308)   137.00899 (15021008)   174.31145
(17020108)   255.01529 (17013108)   262.41463 (16120708)
 3604597.5 |   132.20078 (15020808)   130.39619 (15011008)   176.92485
(17010508)   225.31766 (17020108)   366.79059 (17013108)
 3604347.5 |   131.71111 (15120108)   209.24207 (15120108)   198.97937
(15120108)   237.09159 (16012908)   318.51578 (15120308)
 3604097.5 |   134.01320 (15012708)   176.40519 (15012708)   186.56297
(17032907)   312.33485 (15120108)   444.50931 (15120108)
 3603847.5 |   117.73517 (15013008)   142.58288 (15013008)   163.26096
(15013008)   213.43221 (15022521)   401.59881 (16020508)
 3603597.5 |   111.20326 (16010120)   132.72023 (17010904)   169.91480
(17010904)   217.05009 (17122908)   359.24016 (17121708)
 3603347.5 |   113.66971 (15011003)   130.01141 (15021021)   166.66699
(17122621)   223.83903 (15012003)   270.82217 (15011108)
 3603097.5 |   108.70387 (15010407)   127.51884 (16122906)   157.85824
(15011108)   218.63537 (16031707)   223.79451 (15032207)
 3602847.5 |   106.70094 (17121308)   135.38875 (16031707)   141.40665
(15032207)   117.48077 (17122921)   135.31787 (16032607)
 3602597.5 |   107.22274 (15092707)   106.19948 (15032207)    93.15519
(17122924)    99.14964 (16032607)   111.50822 (15021520)
 3602347.5 |    68.60899 (15032207)    70.57648 (15010718)    77.27733
(16032607)    83.87476 (15012007)   103.08340 (16052806)
 3602097.5 |    54.58200 (15010718)    60.77461 (16032607)    64.82253
(17012624)    82.53171 (16052806)    81.83419 (16021102)
 3601847.5 |    49.44207 (16032607)    54.56740 (16121205)    58.68651
(16052806)    68.04640 (15123108)    68.81353 (16011205)
 3601597.5 |    46.73413 (15010508)    48.93820 (17011608)    58.47357
(16052806)    57.81023 (16021102)    73.78562 (17020408)
 3601347.5 |    41.54330 (15021520)    51.12450 (16052806)    50.36074
(15123108)    51.13773 (16011205)   108.12336 (17020408)
 3601097.5 |    41.35116 (16052806)    43.61103 (15123108)    45.37619
(16021102)    50.74224 (15011308)   107.67509 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 639
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP15     ***
                                  INCLUDING SOURCE(S):     SP15        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
```

```
 (METERS) |      507868.86             508118.86             508368.86
508618.86             508868.86
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |    63.91106 (16120206)    94.71911 (17022408)    32.26517
(15123009)    17.22524 (15091407)    72.10802 (17032607)
 3605847.5 |   102.26115 (15010104)   116.74391 (15022305)    69.98374
(15123009)    51.11243 (15110104)   142.68711 (17032607)
 3605597.5 |   124.69409 (17021508)   122.70426 (16120908)   109.85647
(16020207)   122.92556 (15010907)   126.82864 (17120924)
 3605347.5 |   147.29200 (17021508)   172.20528 (16120908)    82.21196
(15123009)    68.38788 (16091507)   166.18642 (17011124)
 3605097.5 |   147.56264 (15121303)   199.01787 (16120908)    45.94995
(17022408)    52.86357 (17032607)    31.51368 (15021124)
 3604847.5 |   270.66776 (15021508)   238.69319 (16012808)    93.12185
(15123009)    92.85258 (17032607)    17.08670 (15042507)
 3604597.5 |   326.07515 (17021107)   211.45460 (17021508)    96.08401
(17022408)   154.63247 (17032607)    44.83651 (16111708)
 3604347.5 |   565.40643 (17013108)   486.17678 (16021523)   348.58948
(16031803)   196.47548 (17032607)    99.66061 (17020109)
 3604097.5 |   582.57905 (17020308)  1062.93062 (17013108)  1242.05652
(16120908)  1043.31246 (16120120)   463.10736 (17040402)
 3603847.5 |   712.09787 (15012708)  1608.53379 (15120108)  3494.58709
(16120708)  2340.84394 (15101307)   444.47803 (16040707)
 3603597.5 |   605.28264 (17121708)   843.85208 (17122621)  2093.32511
(17020101)   755.84895 (15022020)   187.81492 (17122709)
 3603347.5 |   460.45124 (16031707)   425.48238 (16032607)   962.54176
(17122108)  1054.70231 (15121508)   166.79996 (17120417)
 3603097.5 |   219.54357 (16032607)   302.78680 (15123108)   374.64482
(15021703)   503.08162 (16121020)   573.63807 (17021408)
 3602847.5 |   180.91788 (16052806)   228.80900 (17012608)   260.01892
(15011408)   267.55371 (17062106)   304.63622 (15121508)
 3602597.5 |   132.43786 (16021102)   208.41274 (17020408)   198.31731
(15011408)   185.02381 (17062106)   165.82513 (15011204)
 3602347.5 |   106.09654 (15011308)   112.44261 (16121322)   155.79404
(15120608)   152.63749 (17010308)   154.45359 (17010608)
 3602097.5 |   131.77390 (17020408)    90.90990 (15122105)   129.21771
(15120608)   125.76515 (17010308)   102.61829 (16121020)
 3601847.5 |   138.92154 (17020408)    76.14781 (15021703)   109.50680
(15120608)   104.44589 (17010308)    84.76101 (15020520)
 3601597.5 |    94.26515 (17020408)    66.65126 (16012208)    92.84360
(15120608)    88.14677 (17010308)    73.14809 (15021701)
 3601347.5 |    61.22848 (17111908)    63.55889 (16012208)    81.17878
(15120608)    74.71754 (17010308)    68.95203 (17062106)
 3601097.5 |    50.85116 (17111908)    58.15309 (16012208)    72.20357
(15120608)    64.38665 (17010308)    62.05658 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 640
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP15     ***
                                  INCLUDING SOURCE(S):     SP15        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
```

```
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     10.10022 (15092508)    16.06331 (16071106)     17.12823
(16111708)    20.12552 (17020109)    11.33570 (17020109)
 3605847.5 |     15.46490 (16010705)   106.99789 (15122821)     29.53720
(17091007)    17.14750 (17020109)    11.28023 (16092207)
 3605597.5 |    107.50678 (15021924)    86.51193 (17060105)     46.50960
(17020109)    24.58902 (15022123)    21.32228 (17121809)
 3605347.5 |    135.66873 (15122821)   109.94814 (15092321)    121.69395
(17022521)    30.93518 (16092207)    24.06089 (17121809)
 3605097.5 |     44.96071 (16083007)    25.81445 (17020109)     37.38082
(16092207)    63.55748 (17040402)    20.30646 (17032908)
 3604847.5 |     33.25262 (17020109)    20.98345 (16092207)     31.93028
(17121809)    23.11128 (17032908)    24.76059 (15082707)
 3604597.5 |     24.47273 (17020109)    38.52932 (17121809)     25.42281
(17032908)    19.46062 (17100708)    20.41569 (17122309)
 3604347.5 |     56.39326 (17012609)    48.08755 (15082707)     25.85106
(17100708)    41.26918 (17032608)    69.49698 (16040707)
 3604097.5 |     98.74023 (16042822)    59.69965 (17032608)    102.75839
(16040707)    38.15008 (16040707)    19.69696 (17082707)
 3603847.5 |    165.74546 (16070106)    94.91265 (17082707)     66.04339
(17082707)    35.51966 (16090707)    29.28411 (16121409)
 3603597.5 |     80.73100 (15061907)    64.58130 (16011317)     57.47952
(16052106)    47.31568 (16052106)    35.57869 (16052106)
 3603347.5 |    174.66066 (16040807)    97.50367 (15022408)    180.94175
(17040401)    67.78931 (17122709)   111.90814 (15051124)
 3603097.5 |     99.56059 (17120417)   371.76937 (15031607)    283.59388
(15121020)   216.05814 (15022202)   173.37181 (15012119)
 3602847.5 |    406.26298 (17021408)   272.46812 (17040307)    179.40766
(17010220)   209.61317 (17011308)   199.47256 (16040807)
 3602597.5 |    191.48407 (16010602)   159.94748 (17022803)    197.92649
(17040307)   147.62636 (16011523)   137.81872 (15031607)
 3602347.5 |    160.69429 (15121508)   151.68520 (17021408)    126.21863
(17022803)   141.16321 (17040307)   109.15667 (16011523)
 3602097.5 |     95.98943 (16011102)    96.57568 (16010602)    141.71095
(17021408)    95.54057 (15011201)   154.10075 (17040307)
 3601847.5 |     84.73761 (15011204)   107.13109 (15121508)     92.50138
(16010602)    93.66062 (17021408)    86.10762 (15011201)
 3601597.5 |     85.69439 (17010608)    78.71690 (15121508)     65.66278
(17011123)    82.68582 (17021408)    71.06159 (15021604)
 3601347.5 |     73.38231 (17010608)    63.36235 (15022808)     72.45671
(15121508)    66.06919 (16010602)    83.69533 (17021408)
 3601097.5 |     55.22379 (15120302)    54.50590 (15011204)     61.50371
(15121508)    50.18859 (17011123)    58.39403 (15020908)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 641
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP15     ***
                                  INCLUDING SOURCE(S):     SP15        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.17688 (16092207)    19.80142 (17121809)     17.86397
(17121809)    12.18007 (17012609)
 3605847.5 |     20.62069 (17121809)    19.50839 (17121809)     13.40087
(17032908)    14.47278 (17032908)
 3605597.5 |     21.52197 (17121809)    15.35237 (17032908)     14.84983
(17032908)     9.45133 (15082707)
 3605347.5 |     17.65413 (17032908)    14.62809 (17032908)      9.65307
(17100708)    12.97022 (17100708)
 3605097.5 |     14.05933 (15082707)    13.39310 (17100708)     15.27633
(17100708)    16.18658 (17122309)
 3604847.5 |     19.31085 (15112909)    18.08294 (17122309)     25.95690
(17122309)    22.93983 (16091707)
 3604597.5 |     31.04580 (17122309)    38.04750 (16040707)     60.89653
(16040707)    52.16725 (16040707)
 3604347.5 |     68.81448 (16040707)    33.63659 (16040707)     10.72196
(16040707)    11.62989 (17082707)
 3604097.5 |     24.46487 (17082707)    25.26236 (17082707)     23.33948
(17082707)    20.31276 (16090707)
 3603847.5 |     25.72177 (16121409)    23.26047 (17030408)     22.76370
(17030408)    22.10524 (17030408)
 3603597.5 |     27.29685 (15012317)    25.56345 (15062407)     24.70291
(15062407)    23.85608 (15062407)
 3603347.5 |     59.02658 (17050123)    20.95988 (15061907)     17.62832
(15061907)    16.95948 (15061907)
 3603097.5 |     62.31616 (17122709)    28.07016 (17122709)     21.17846
(17122709)    15.86160 (17062607)
 3602847.5 |    151.47137 (15022202)    44.60922 (15022408)     20.75347
(17122709)    24.19160 (17122709)
 3602597.5 |    113.79610 (16040807)    78.75763 (16040807)     55.76065
(15022408)    48.73200 (15022408)
 3602347.5 |     99.09218 (15031607)   105.64164 (16120121)     62.60325
(17030301)   133.18992 (16040807)
 3602097.5 |    116.85070 (15013119)    79.92580 (17010220)     81.01260
(15031607)    79.51280 (17011308)
 3601847.5 |    126.32343 (17040307)    81.96447 (17040307)     63.02096
(16122817)    60.82054 (15031607)
 3601597.5 |     76.43761 (15011201)    75.12046 (17040307)     77.38747
(17040307)    53.13091 (16011523)
 3601347.5 |     60.33598 (17022803)    53.79337 (15011201)     61.39519
(17040307)    66.86611 (17040307)
 3601097.5 |     64.80519 (17021408)    52.45499 (17022803)     46.11404
(15011201)    56.08390 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 642
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP15     ***
                                  INCLUDING SOURCE(S):     SP15        ,

                                               *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1724.96388  (17013108)
507708.67   3603932.32      420.15715  (17032907)
        506203.59   3603369.23      103.99760  (17121708)
507919.87   3604794.52      258.72302  (15021508)
        507037.89   3604916.08      160.42608  (17020108)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 643
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP16     ***
                                 INCLUDING SOURCE(S):     SP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.14704 (15011008)     30.50556 (17010607)     37.08737
(17020308)     37.24919 (17010508)     44.03425 (17040507)
 3605847.5 |     34.78567 (15020808)     35.87027 (16020408)     32.74024
(15011008)     39.25299 (16012908)     47.50732 (17020308)
 3605597.5 |     46.76581 (15120108)     40.72965 (15040607)     42.77333
(15020808)     45.94270 (16020408)     43.07093 (15011008)
 3605347.5 |     48.92800 (15120108)     56.76978 (15120108)     58.58153
(15120108)     50.65574 (15120108)     52.68987 (15020808)
 3605097.5 |     38.96253 (17032907)     41.84185 (17032907)     49.19619
(15120108)     63.40579 (15120108)     73.50844 (15120108)
 3604847.5 |     40.30450 (15012708)     40.07756 (16122808)     38.09175
(17032907)     46.93714 (17032907)     55.50751 (17032907)
 3604597.5 |     44.13185 (16020508)     46.77429 (15012708)     52.81931
(15012708)     58.44180 (15012708)     61.20074 (15012708)
 3604347.5 |     32.82295 (15012202)     35.55334 (16022705)     43.79462
(16020508)     54.29287 (16020508)     65.74254 (16020508)
 3604097.5 |     37.25016 (15013008)     40.32139 (15013008)     41.32618
(15013008)     43.38877 (16121105)     47.72421 (15022521)
 3603847.5 |     37.13870 (17121208)     40.08441 (17121208)     45.02396
(17121208)     47.32899 (17121208)     53.96164 (15013008)
 3603597.5 |     40.42405 (17121208)     43.10346 (17121208)     47.54420
(17121208)     51.79967 (17121208)     55.11591 (17121208)
 3603347.5 |     30.61261 (16011622)     33.64766 (16011622)     37.27272
(16121222)     41.32299 (16121222)     48.24124 (17122908)
 3603097.5 |     38.40406 (17121708)     41.24542 (17121708)     42.90872
(17121708)     44.97649 (17121708)     44.68729 (15120823)
 3602847.5 |     30.74207 (15011003)     33.41754 (15021021)     36.93023
(15021021)     39.61775 (15122019)     42.16833 (17021301)
 3602597.5 |     29.58793 (17021301)     32.63881 (17122621)     35.06119
(16031807)     39.02479 (15012003)     42.27070 (15010407)
 3602347.5 |     29.65827 (15012003)     31.65702 (15010407)     40.84697
(15092907)     43.95948 (15092907)     41.49906 (17121504)
 3602097.5 |     38.63924 (15092907)     35.21602 (15092907)     33.57551
(17121504)     38.33901 (15011108)     47.31976 (17092807)
 3601847.5 |     28.69698 (15011108)     32.05029 (15011108)     42.13791
(17092807)     41.01980 (17092807)     57.67458 (15092707)
 3601597.5 |     38.70233 (17092807)     37.23160 (17092807)     47.41926
(15092707)     60.14915 (15092707)     48.45919 (15092707)
 3601347.5 |     40.30999 (15092707)     54.13102 (15092707)     50.24240
(15092707)     34.69854 (15032207)     33.06387 (15032207)
 3601097.5 |     49.90175 (15092707)     35.74573 (15092707)     30.76123
(15032207)     25.99193 (15032207)     25.31648 (17122921)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 644
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP16     ***
                                 INCLUDING SOURCE(S):     SP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     47.34869 (17040507)     52.56513 (17020108)     49.58127
(15032407)     65.59711 (17013108)    109.03075 (16120208)
 3605847.5 |     49.34163 (17010508)     57.57474 (17040507)     56.85298
(17020108)     52.42509 (17010622)     76.50553 (17013108)
 3605597.5 |     51.68139 (16012908)     55.09323 (17020308)     64.11648
(17040507)     63.51852 (16021022)     65.70929 (17020108)
 3605347.5 |     56.33839 (16020408)     54.20790 (17122119)     70.81565
(17020308)     74.38643 (17010508)     74.37332 (17011606)
 3605097.5 |     68.76987 (15120108)     67.98111 (15020808)     71.57950
(16020408)     72.65612 (16012908)     87.38541 (17020308)
 3604847.5 |     67.12112 (15120108)     90.99984 (15120108)    101.18719
(15120108)     85.58491 (15020808)     92.98708 (16020408)
 3604597.5 |     53.87029 (16122808)     63.78284 (17032907)     67.42592
(17032907)    108.56177 (15120108)    142.39420 (15120108)
 3604347.5 |     74.25111 (16020508)     84.52890 (15012708)     91.80081
(15012708)     80.18570 (15012708)     91.11238 (17032907)
 3604097.5 |     54.54066 (15022521)     64.24820 (15012202)     71.38902
(15012202)     84.68126 (16020508)    107.12125 (16020508)
 3603847.5 |     63.44134 (15013008)     71.72991 (15013008)     77.70243
(15013008)     90.81976 (15013008)    103.41815 (15013008)
 3603597.5 |     60.86967 (17121208)     64.96803 (17121208)     69.40723
(17121208)     77.08005 (17121208)     90.56857 (17121208)
 3603347.5 |     55.53577 (17122908)     66.31357 (17121708)     77.95357
(17121708)     91.49682 (17121708)     98.68132 (17121708)
 3603097.5 |     48.48905 (15011003)     56.52138 (15021021)     62.07947
(15122019)     72.48881 (17122621)     84.54735 (16031807)
 3602847.5 |     47.20423 (17122621)     54.25731 (15012003)     60.42808
(15010407)     70.48350 (15121423)     85.40718 (17121504)
 3602597.5 |     50.52226 (15092907)     53.67885 (16122906)     59.60193
(15011108)     71.14486 (17121308)     88.57609 (16031707)
 3602347.5 |     48.23776 (15011108)     54.66938 (17121308)     62.14124
(16031707)     88.91037 (15092707)     73.37913 (15032207)
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 3602097.5 |     46.73963 (17092807)     70.70120 (15092707)     71.82982
(15092707)     60.31259 (15032207)     47.87277 (16020522)
 3601847.5 |     66.57367 (15092707)     48.42021 (15032207)     45.48863
(15032207)     40.25510 (16011423)     44.31007 (17011023)
 3601597.5 |     40.86031 (15032207)     32.88285 (16020522)     35.29957
(17122924)     37.94622 (17011023)     40.95862 (16032607)
 3601347.5 |     28.33247 (17122921)     30.98270 (17122924)     32.79805
(17020101)     35.22447 (16032607)     40.61400 (15010508)
 3601097.5 |     27.84857 (15010718)     29.12353 (17020101)     31.29492
(16032607)     36.44069 (15010508)     34.65449 (15012007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 645
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP16     ***
                                INCLUDING SOURCE(S):     SP16        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     73.39806 (16120708)     62.47341 (17021401)    143.43518
(15021508)     96.12683 (15021508)    133.67927 (17021508)
 3605847.5 |    118.49093 (16120208)     89.58841 (16120708)     83.25362
(17013021)    176.27560 (15021508)    112.51740 (17010724)
 3605597.5 |     90.90124 (17013108)    125.71081 (16120208)     94.93618
(16120708)    150.53439 (15021508)    122.45562 (15011120)
 3605347.5 |     91.14885 (17020108)    110.60223 (17013108)    126.11069
(16120208)    100.41157 (17021107)    156.93104 (15021508)
 3605097.5 |     98.32969 (15120308)    120.41180 (17020108)    154.79210
(17013108)    144.32665 (16120208)    139.38156 (17013021)
 3604847.5 |    105.73059 (17020308)    127.31689 (15021008)    154.96346
(17020108)    223.54470 (17013108)    263.73570 (16120708)
 3604597.5 |    123.38247 (15120108)    131.20872 (16020408)    171.38887
(17020308)    188.35359 (16021022)    334.31068 (17013108)
 3604347.5 |    113.48503 (15120108)    197.55072 (15120108)    208.94160
(15120108)    201.96387 (16020408)    295.59796 (15021008)
 3604097.5 |    129.61622 (16020508)    166.19327 (15012708)    182.41712
(15012708)    257.08265 (15120108)    444.28297 (15120108)
 3603847.5 |    113.72483 (15013008)    137.59221 (15013008)    161.41184
(15013008)    197.97133 (15022521)    333.93631 (16020508)
 3603597.5 |    103.57890 (16010120)    122.97632 (17010904)    154.35480
(17010904)    201.91187 (17122908)    324.67588 (17121708)
 3603347.5 |    105.81978 (15011003)    120.50385 (15021021)    152.01429
(17122621)    203.30399 (15012003)    244.89551 (17121504)
 3603097.5 |    101.32770 (15010407)    117.76496 (16122906)    146.91899
(15011108)    198.38925 (16031707)    212.33178 (15032207)
 3602847.5 |    101.36797 (15011108)    125.04061 (16031707)    129.93681
(15032207)    114.33591 (15032207)    127.69867 (16032607)
 3602597.5 |    103.91278 (15092707)    102.23630 (15032207)     87.28754
(17122924)     94.53547 (16032607)    104.60138 (15012007)
 3602347.5 |     68.31006 (15032207)     66.72195 (15010718)     74.36942
(16032607)     78.88758 (17012624)    101.32980 (16052806)
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 3602097.5 |     52.73452 (15010718)     58.96339 (16032607)     62.42736
(16121205)     76.54238 (16052806)     76.57091 (17021520)
 3601847.5 |     48.26935 (16032607)     53.89433 (15010508)     56.19820
(17011608)     64.76100 (15123108)     66.39697 (15123001)
 3601597.5 |     46.42836 (15010508)     47.06350 (15021520)     57.44781
(16052806)     55.40496 (16021102)     64.42203 (15011308)
 3601347.5 |     39.78801 (15012007)     48.49296 (16052806)     49.63965
(15123108)     49.55626 (15123001)     96.29473 (17020408)
 3601097.5 |     38.38326 (16052806)     41.97943 (16052806)     43.86554
(16021102)     49.64776 (15041007)    106.90943 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 646
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP16     ***
                                INCLUDING SOURCE(S):     SP16        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     71.09589 (16120206)     85.95070 (17022408)     32.67442
(16112208)     18.40068 (15091407)     70.30771 (17032607)
 3605847.5 |    110.10863 (17070706)    101.81006 (17020823)     74.97582
(16052302)     68.79581 (15111919)    155.42989 (17032607)
 3605597.5 |    149.64012 (17021508)    140.85781 (16120908)    107.09022
(16020207)    131.30452 (15010907)    147.51368 (17032607)
 3605347.5 |    126.60565 (17021508)    171.98546 (16120908)    108.00332
(16051624)     73.96475 (15110104)    197.79753 (17120924)
 3605097.5 |    139.99099 (16100607)    222.14341 (16120908)     61.14636
(17022408)     39.35232 (16091507)     30.96222 (15021124)
 3604847.5 |    271.33894 (15021508)    330.03475 (16012808)    162.33702
(17022408)     59.77247 (17032607)     16.22109 (15022218)
 3604597.5 |    344.61853 (16120708)    281.13720 (16100607)    103.33193
(15092607)    123.75139 (17032607)     35.54971 (16111708)
 3604347.5 |    474.54360 (17013108)    465.60591 (15011121)    546.28744
(16120908)    360.93930 (17032607)    100.56494 (17020109)
 3604097.5 |    487.29759 (17020308)    851.17882 (17013108)   1029.89302
(16012808)   1120.25040 (16122307)    671.48382 (15101307)
 3603847.5 |    602.47677 (15012708)   1265.87888 (15120108)   2905.42109
(17013108)   3466.51739 (15012220)    720.79972 (17032404)
 3603597.5 |    502.73549 (17121708)    733.27142 (17122621)   2065.79737
(15032207)   1140.09613 (15011220)    213.90769 (15122117)
 3603347.5 |    411.74429 (16031707)    377.73305 (15121802)    811.50729
(17012608)   1066.74521 (17010608)    201.69696 (17020922)
 3603097.5 |    200.63060 (16032607)    293.18655 (16052806)    342.79982
(17021124)    498.86937 (17062106)    474.61404 (16010602)
 3602847.5 |    156.05867 (16052806)    192.60975 (15011308)    232.33835
(16012208)    255.58705 (17062106)    258.99549 (15121508)
 3602597.5 |    132.92311 (15123108)    199.94594 (17020408)    180.77092
(15011408)    201.11769 (17010308)    186.38320 (17010608)
 3602347.5 |    100.62542 (16011205)    136.79418 (17020408)    142.72785
(15011408)    158.95232 (17010308)    143.79688 (17010608)
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 3602097.5 |    108.18531 (17020408)     89.23568 (17021124)    114.23666
(15120608)    125.41279 (17010308)    101.37791 (15020520)
 3601847.5 |    136.84522 (17020408)     73.01502 (15120607)    101.00290
(15120608)    100.97577 (17010308)     83.37243 (17010222)
 3601597.5 |    106.29271 (17020408)     63.77209 (15021703)     88.22853
(15120608)     83.08882 (17010308)     76.09363 (17062106)
 3601347.5 |     62.35521 (17020408)     58.20935 (16012208)     78.42892
(15120608)     69.36833 (17010308)     69.46278 (17062106)
 3601097.5 |     53.16367 (17111908)     55.58452 (16012208)     70.35611
(15120608)     58.62305 (17010308)     60.46733 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 647
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP16     ***
                                 INCLUDING SOURCE(S):     SP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.88890 (16092808)     18.67340 (15021924)     17.24471
(16111708)     20.12901 (17020109)     12.67522 (17020109)
 3605847.5 |     16.46161 (16010705)    111.64696 (15122821)     30.19367
(17091007)     18.57601 (17020109)     10.06772 (16092207)
 3605597.5 |    127.39197 (15021924)    103.99330 (17060105)     68.91325
(15092321)     39.15040 (16100201)     20.04726 (17121809)
 3605347.5 |    156.71242 (15033023)    142.16999 (16120518)    136.82655
(17022521)     32.79764 (16092207)     25.29044 (17121809)
 3605097.5 |     42.94565 (16083007)     27.80868 (17020109)     37.15905
(16092207)     95.31421 (15101307)     34.46128 (17012609)
 3604847.5 |     31.60454 (17020109)     18.55203 (16092207)     33.61424
(17121809)     23.41633 (17032908)     27.04834 (15082707)
 3604597.5 |     29.68597 (17020109)     40.67974 (17121809)     26.65488
(17032908)     19.06728 (17100708)     20.12947 (17100708)
 3604347.5 |     53.80927 (17011903)     55.84711 (17032908)     26.30355
(17100708)     42.49490 (17032608)     68.14946 (16040707)
 3604097.5 |    147.16145 (15081905)     62.03221 (17032608)    105.93983
(16040707)     40.55848 (16040707)     19.95332 (17082707)
 3603847.5 |    306.50889 (15051823)    133.41758 (15090401)     66.42678
(17091207)     35.66809 (16090707)     29.55997 (16121409)
 3603597.5 |    103.61855 (15020117)     71.48637 (15022318)     68.85846
(17012817)     50.16712 (16052106)     39.48544 (16052106)
 3603347.5 |    136.95137 (16040807)    117.29990 (15022408)    275.79746
(15012119)     73.52020 (17122709)    160.56102 (15021919)
 3603097.5 |    101.94018 (15121103)    307.25284 (15031607)    266.51131
(15121020)    261.40949 (15022202)    202.48749 (17022805)
 3602847.5 |    415.01990 (17021408)    234.75797 (17040307)    169.47735
(16011523)    182.28303 (17011308)    186.02074 (16040807)
 3602597.5 |    161.81016 (15121508)    166.06972 (17021408)    169.49924
(17040307)    140.70795 (16011523)    133.52501 (15031607)
 3602347.5 |    152.33570 (15121508)    137.93707 (15020908)    125.01404
(17022803)    123.30837 (17040307)    109.43386 (17040307)
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 3602097.5 |     95.05343 (16011722)     98.40524 (15121508)    135.45902
(17021408)     92.98850 (17022803)    133.53321 (17040307)
 3601847.5 |     88.58578 (17010608)    104.25033 (15121508)     90.19903
(15121506)    103.08159 (17021408)     77.59817 (15011201)
 3601597.5 |     85.18388 (17010608)     67.76418 (16011102)     68.45517
(15121508)     78.33459 (15020908)     70.67880 (17011302)
 3601347.5 |     66.70192 (17010608)     63.34694 (15022808)     72.76571
(15121508)     61.28242 (16010602)     78.76842 (17021408)
 3601097.5 |     54.27919 (16121020)     54.01926 (17010608)     55.60627
(15121508)     52.45425 (15121508)     56.02338 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 648
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP16     ***
                                 INCLUDING SOURCE(S):     SP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     11.53602 (16092207)     19.16543 (17121809)     18.66316
(17121809)     12.18820 (17012609)
 3605847.5 |     19.76178 (17121809)     20.43150 (17121809)     13.18566
(17012609)     14.76755 (17032908)
 3605597.5 |     22.59425 (17121809)     14.90059 (17032908)     15.33311
(17032908)      9.98378 (15082707)
 3605347.5 |     17.31622 (17032908)     15.38105 (17032908)      9.35135
(17100708)     12.84341 (17100708)
 3605097.5 |     14.69385 (15082707)     13.10368 (17100708)     15.34672
(17100708)     15.57089 (17122309)
 3604847.5 |     19.79523 (15112909)     17.27424 (17122309)     25.88180
(17122309)     23.14184 (17122309)
 3604597.5 |     31.11102 (17122309)     36.37820 (16040707)     60.83176
(16040707)     53.38739 (16040707)
 3604347.5 |     70.61564 (16040707)     35.19275 (16040707)     11.29421
(16040707)     11.71420 (17082707)
 3604097.5 |     24.82025 (17082707)     25.55602 (17082707)     23.51285
(17082707)     20.68580 (16090707)
 3603847.5 |     25.83433 (16121409)     24.01350 (17030408)     23.38541
(17030408)     22.59746 (17030408)
 3603597.5 |     29.80779 (16052106)     24.72409 (15062407)     24.12369
(15062407)     23.34869 (15062407)
 3603347.5 |     77.73638 (17050123)     19.81682 (17082908)     16.95078
(15061907)     16.79199 (15061907)
 3603097.5 |     61.29147 (17122709)     29.00907 (17122709)     22.64545
(17122709)     15.70180 (17062607)
 3602847.5 |    162.89650 (15022202)     51.91346 (15022408)     19.43729
(17122709)     23.75737 (17122709)
 3602597.5 |    135.51242 (17011308)     81.53436 (16040807)     51.72130
(15022408)     52.83658 (15022408)
 3602347.5 |    103.08249 (17010220)    120.20702 (15031607)     75.96771
(17030301)    139.91201 (16040807)
```

```
 3602097.5 |    125.81992 (17040307)     76.59444 (17010220)     78.97756
(15031607)     77.13731 (17011308)
 3601847.5 |    106.41339 (17040307)     86.13538 (17040307)     61.81055
(16011523)     55.95223 (15031607)
 3601597.5 |     71.43319 (15011201)     66.58334 (17040307)     79.71866
(17040307)     52.27004 (16011523)
 3601347.5 |     59.41359 (15021604)     53.50095 (15011201)     55.05693
(17040307)     67.63863 (17040307)
 3601097.5 |     67.82811 (17021408)     51.27913 (17022803)     46.55706
(15011201)     49.97711 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 649
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP16     ***
                                INCLUDING SOURCE(S):     SP16        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1177.94511  (17020108)
507708.67   3603932.32      392.44564  (15012708)
        506203.59   3603369.23       97.21384  (17121708)
507919.87   3604794.52      285.46101  (15021508)
        507037.89   3604916.08      143.62123  (17020108)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 650
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP17     ***
                                INCLUDING SOURCE(S):     SP17        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.17074 (15011008)     30.31861 (17010607)     37.06416
(17020308)     37.13119 (17010508)     43.98955 (17040507)
 3605847.5 |     34.53552 (15020808)     35.43756 (16020408)     32.51145
(15011008)     39.03682 (16012908)     46.48988 (17020308)
 3605597.5 |     45.64241 (15120108)     39.58436 (15040607)     42.13681
(15020808)     44.59354 (16020408)     41.94555 (15011008)
 3605347.5 |     48.96827 (15120108)     56.43508 (15120108)     57.58690
(15120108)     48.62391 (15120108)     51.70469 (15020808)
 3605097.5 |     38.40000 (17032907)     40.53888 (17032907)     49.86137
(15120108)     64.03539 (15120108)     72.69351 (15120108)
 3604847.5 |     38.58002 (15012708)     38.76300 (16122808)     38.53537
(17032907)     46.46022 (17032907)     53.55307 (17032907)
 3604597.5 |     42.72068 (16020508)     46.40224 (15012708)     51.64895
(15012708)     56.21986 (15012708)     58.26331 (15012708)
 3604347.5 |     32.12672 (16022705)     35.93426 (16020508)     44.81304
(16020508)     54.36361 (16020508)     64.13479 (16020508)
 3604097.5 |     35.82476 (15013008)     38.32891 (15013008)     39.17251
(15013008)     42.22713 (16121105)     46.97823 (15022521)
 3603847.5 |     34.96403 (17121208)     37.07833 (17121208)     42.18353
(15013008)     46.80059 (15013008)     54.31126 (15013008)
 3603597.5 |     41.20768 (17121208)     44.01413 (17121208)     48.80188
(17121208)     53.29909 (17121208)     56.97171 (17121208)
 3603347.5 |     30.48733 (17010904)     32.90892 (16011622)     36.32659
(16011622)     39.85693 (16121222)     45.30166 (17122908)
 3603097.5 |     37.63178 (17121708)     40.84335 (17121708)     43.25930
(17121708)     46.10787 (17121708)     43.80457 (15120823)
 3602847.5 |     30.20704 (15011003)     32.45573 (15021021)     36.49080
(15021021)     38.98965 (15122019)     41.46244 (17021301)
 3602597.5 |     29.18626 (17021301)     31.98977 (17122621)     34.51127
(17122621)     38.06351 (15012003)     41.35186 (15010407)
 3602347.5 |     29.25473 (15012003)     31.18472 (15010407)     38.51189
(15092907)     44.07605 (15092907)     40.22531 (17121504)
 3602097.5 |     38.17363 (15092907)     36.72309 (15092907)     33.37446
(17121504)     37.49409 (15011108)     44.69041 (17092807)
 3601847.5 |     27.74811 (17020321)     31.57782 (15011108)     40.35964
(17092807)     42.49438 (17092807)     53.03211 (15092707)
 3601597.5 |     37.27848 (17092807)     38.43081 (17092807)     43.35536
(15092707)     59.21933 (15092707)     51.85490 (15092707)
 3601347.5 |     36.70500 (15092707)     52.27069 (15092707)     52.24755
(15092707)     34.04727 (15032207)     33.83914 (15032207)
 3601097.5 |     50.60275 (15092707)     38.70583 (15092707)     30.91853
(15032207)     27.12180 (15032207)     25.20485 (17122921)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 651
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP17     ***
                                INCLUDING SOURCE(S):     SP17        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     46.01244 (17040507)     51.57231 (17020108)     48.77764
(15032407)     65.06553 (17013108)    107.66969 (16120208)
 3605847.5 |     48.20169 (17010508)     56.24920 (17040507)     55.85108
(17020108)     51.84016 (17010622)     75.80936 (17013108)
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 3605597.5 |     50.37655 (16012908)     53.82238 (17010508)     63.13616
(17040507)     61.36908 (16021022)     64.35107 (17020108)
 3605347.5 |     54.39983 (16020408)     53.03302 (17010607)     68.70273
(17020308)     71.58960 (17010508)     71.54954 (17011606)
 3605097.5 |     66.38081 (15120108)     66.36975 (15020808)     68.45063
(16020408)     71.33125 (16012908)     83.20142 (17020308)
 3604847.5 |     69.03836 (15120108)     90.91465 (15120108)     96.64610
(15120108)     83.80383 (15020808)     88.05587 (16020408)
 3604597.5 |     51.84747 (16122808)     63.30004 (17032907)     66.83792
(15120108)    110.30709 (15120108)    137.22186 (15120108)
 3604347.5 |     70.87537 (16020508)     82.64728 (15012708)     87.80586
(15012708)     77.41556 (16122808)     91.09757 (17032907)
 3604097.5 |     52.81308 (15022521)     62.47176 (15012202)     71.84796
(16020508)     86.98399 (16020508)    107.66323 (16020508)
 3603847.5 |     63.50252 (15013008)     70.87724 (15013008)     76.82775
(15013008)     88.92741 (15013008)    100.40984 (15013008)
 3603597.5 |     63.12415 (17121208)     67.81478 (17121208)     73.48768
(17121208)     82.01399 (17121208)     96.62205 (17121208)
 3603347.5 |     52.97346 (17122908)     62.35684 (17121708)     74.81233
(17121708)     89.79096 (17121708)    100.64621 (17121708)
 3603097.5 |     47.28760 (15011003)     54.66684 (15021021)     60.10154
(15021021)     70.11149 (17021301)     83.93322 (17122621)
 3602847.5 |     46.45088 (17122621)     52.01272 (16031807)     58.52069
(15010407)     69.08724 (17012206)     82.00274 (16122906)
 3602597.5 |     47.74018 (15092907)     53.61648 (15092907)     58.02761
(17121504)     70.12855 (15011108)     83.46692 (17121308)
 3602347.5 |     46.36620 (15011108)     52.25040 (15011108)     59.72194
(17121308)     84.03543 (15092707)     74.67256 (15092707)
 3602097.5 |     48.61104 (17092807)     65.54264 (15092707)     74.99756
(15092707)     60.27623 (15032207)     47.96030 (16020522)
 3601847.5 |     67.03572 (15092707)     48.70095 (15092707)     46.91609
(15032207)     39.74331 (17122921)     43.87814 (15010718)
 3601597.5 |     40.97551 (15032207)     34.25965 (15032207)     34.05581
(17122924)     37.49281 (17011023)     40.64875 (16032607)
 3601347.5 |     28.38326 (16020522)     30.52609 (17122924)     32.30005
(17011023)     35.05887 (16032607)     40.69618 (15010508)
 3601097.5 |     27.43949 (17122924)     28.67188 (17020101)     31.22407
(16032607)     36.12767 (15010508)     33.52069 (15123024)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 652
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP17     ***
                                INCLUDING SOURCE(S):     SP17        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     71.93858 (16120708)     61.22226 (17021401)    133.87728
(15021508)     95.31944 (15021508)    131.33248 (17021508)
 3605847.5 |    116.94062 (16120208)     87.45092 (16120708)     79.86679
(17013021)    180.09418 (15021508)    103.47199 (17010724)
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 3605597.5 |     89.95229 (17013108)    124.13358 (16120208)     93.69963
(16120708)    145.28253 (15021508)    114.06213 (15011120)
 3605347.5 |     87.62697 (17020108)    109.26559 (17013108)    124.92421
(16120208)     98.83294 (17021107)    153.76775 (15021508)
 3605097.5 |     94.31111 (15120308)    115.09892 (17020108)    147.87150
(17013108)    141.73559 (16120208)    133.61392 (17013021)
 3604847.5 |    103.26961 (17020308)    121.98333 (15021008)    147.53451
(17020108)    210.18570 (17013108)    250.13917 (16120708)
 3604597.5 |    116.73028 (15020808)    121.64674 (16020408)    160.49768
(17020308)    177.26981 (16021022)    314.40328 (17013108)
 3604347.5 |    118.92675 (15120108)    196.06836 (15120108)    190.48696
(15120108)    189.92825 (17122119)    271.65816 (15021008)
 3604097.5 |    124.11988 (16020508)    158.11898 (15012708)    163.40839
(16122808)    268.06246 (15120108)    406.57473 (15120108)
 3603847.5 |    110.65454 (15013008)    130.71520 (15013008)    149.97086
(15013008)    188.84127 (15022521)    343.66292 (16020508)
 3603597.5 |    105.52319 (17121208)    117.67225 (16010120)    148.83532
(17010904)    182.87590 (17010904)    284.24729 (17121708)
 3603347.5 |    102.66137 (17121708)    116.29036 (15021021)    144.29769
(15122019)    192.55869 (15012003)    234.20746 (16122906)
 3603097.5 |     98.23836 (15012003)    112.25566 (15121423)    138.46279
(15011108)    181.14050 (16031707)    211.33733 (15032207)
 3602847.5 |     99.16023 (15011108)    114.25419 (16031707)    135.71613
(16031707)    125.56228 (15032207)    123.65889 (15121802)
 3602597.5 |    102.16391 (15092707)    101.72291 (15032207)     82.63402
(16011423)     91.49201 (16032607)    101.60914 (15012007)
 3602347.5 |     71.61954 (15032207)     65.59298 (17122924)     72.71688
(16032607)     78.75852 (16121205)    100.67157 (16052806)
 3602097.5 |     51.86789 (15010718)     58.04501 (16032607)     64.13536
(15010508)     78.43276 (15123108)     53.67859 (16052806)
 3601847.5 |     47.74737 (16032607)     55.33089 (15010508)     55.17832
(17011608)     63.93238 (16052806)     66.21416 (15020621)
 3601597.5 |     47.07307 (15010508)     46.14944 (15021520)     57.01326
(16052806)     53.67859 (17021520)     61.73616 (15011308)
 3601347.5 |     39.23068 (15012007)     46.63872 (16052806)     49.23576
(15123108)     49.13090 (15020621)     87.08877 (17020408)
 3601097.5 |     36.55311 (17011608)     43.03229 (16052806)     42.87017
(16021102)     49.27305 (15041007)    105.27654 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 653
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP17     ***
                                INCLUDING SOURCE(S):     SP17        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     81.27832 (15010104)     85.14658 (16031803)     31.49606
(15123009)     18.51202 (15091407)     66.27852 (17032607)
 3605847.5 |    112.77418 (16012808)    100.11469 (16120908)     82.84597
(16052302)     87.58126 (16021204)    156.16921 (17032607)
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 3605597.5 |    164.12405 (16012808)    142.35362 (16120908)    101.07648
(16020207)    132.74920 (15010907)    161.14771 (17032607)
 3605347.5 |    117.02111 (17021508)    164.44680 (16120908)    121.19778
(16051624)     87.83860 (15110104)    195.88958 (17120924)
 3605097.5 |    134.56431 (16100607)    217.80379 (16120908)     65.70012
(17022408)     33.57914 (16091507)     36.19058 (16120517)
 3604847.5 |    266.08960 (15021508)    319.58841 (16012808)    162.79874
(17022408)     52.02877 (16091507)     18.13895 (15022218)
 3604597.5 |    333.28959 (16120708)    311.68857 (16100607)    109.62915
(15092607)     91.78257 (17032607)     25.58045 (16071106)
 3604347.5 |    432.45980 (17013108)    421.54530 (15011121)    714.12194
(16120908)    329.12093 (17032607)     91.45512 (17020109)
 3604097.5 |    451.34975 (17020308)    767.30507 (17013108)    820.77749
(16012808)   1001.69978 (17120924)    848.75632 (15012220)
 3603847.5 |    560.53911 (15012708)   1277.77578 (15120108)   2554.88338
(17013108)   3108.04344 (17032207)    983.11697 (17021703)
 3603597.5 |    498.80654 (17121708)    706.78305 (15122019)   2447.57599
(16031707)   1875.11545 (15050604)    246.92833 (17122117)
 3603347.5 |    382.82825 (16031707)    381.23988 (15010718)    677.58121
(15011308)   1008.67431 (17010608)    237.21151 (16123018)
 3603097.5 |    194.01442 (17020101)    291.91740 (16052806)    342.77552
(16121322)    507.15155 (17062106)    452.00541 (16010602)
 3602847.5 |    151.90645 (15021520)    190.05481 (15123001)    216.11376
(15021703)    283.16140 (17010308)    248.89096 (15121508)
 3602597.5 |    133.38496 (15123108)    184.01315 (17020408)    178.44407
(16012208)    210.72316 (17010308)    195.89507 (17010608)
 3602347.5 |    100.93252 (15020621)    154.35458 (17020408)    140.68310
(15011408)    160.62297 (17010308)    140.06392 (17010608)
 3602097.5 |     97.62792 (17012608)     88.71009 (17021124)    113.06793
(15011408)    124.32212 (17010308)    102.53808 (15020520)
 3601847.5 |    132.43956 (17020408)     73.19306 (15122105)     95.95252
(15120608)     98.85117 (17010308)     83.11064 (17010222)
 3601597.5 |    114.21829 (17020408)     63.67275 (15021703)     85.44998
(15120608)     80.46419 (17010308)     77.30823 (17062106)
 3601347.5 |     71.84130 (17020408)     55.28619 (17120701)     76.65316
(15120608)     66.67413 (17010308)     69.36527 (17062106)
 3601097.5 |     54.23305 (17111908)     53.93138 (16012208)     69.28588
(15120608)     55.88162 (17010308)     59.77948 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 654
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP17     ***
                                 INCLUDING SOURCE(S):     SP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.43246 (16092808)     27.98199 (15021924)     16.75617
(16111708)     19.69077 (17020109)     13.92664 (17020109)
 3605847.5 |     17.86858 (15021124)    105.96270 (15122821)     30.13947
(17091007)     19.62581 (17020109)      8.52210 (16092207)
```

```
 3605597.5 |    127.28312 (15021924)    108.63245 (15122821)     85.61801
(15092321)     49.31327 (16100201)     18.18139 (17121809)
 3605347.5 |    160.31683 (15033023)    143.35066 (16120518)    155.24249
(17021903)     33.29245 (16092207)     26.21146 (17121809)
 3605097.5 |     39.31949 (16083007)     28.76911 (17020109)     34.52075
(16092207)    115.86559 (15101307)     34.99908 (17012609)
 3604847.5 |     28.64680 (17020109)     16.38509 (17020109)     34.45902
(17121809)     23.03605 (17032908)     30.34517 (15082707)
 3604597.5 |     33.89449 (17020109)     41.07542 (17121809)     27.36656
(17032908)     17.55388 (17100708)     20.42141 (17100708)
 3604347.5 |     58.04667 (17012509)     62.73866 (17032908)     26.01599
(17100708)     40.22297 (17032608)     57.09792 (16040707)
 3604097.5 |    239.05271 (15081905)    107.93979 (17122309)    107.06356
(16040707)     56.23724 (16040707)     16.73828 (17082707)
 3603847.5 |    378.12755 (15120702)    183.81852 (15090401)     83.44177
(16090707)     37.62886 (16090707)     30.77728 (16090707)
 3603597.5 |     91.32825 (16120817)     83.18850 (17012817)     66.48158
(17022518)     57.78217 (15062407)     35.20146 (15012317)
 3603347.5 |    155.67788 (16040807)    111.24825 (15022408)    310.26471
(15011501)     70.51274 (17122709)    185.42192 (15021919)
 3603097.5 |    127.65762 (15050604)    322.50141 (15031607)    264.78228
(15121020)    263.20636 (15022202)    186.88900 (17022805)
 3602847.5 |    424.52337 (17021408)    237.78092 (17040307)    168.69165
(16122817)    187.94315 (17011308)    180.83852 (16040807)
 3602597.5 |    167.66451 (15121508)    173.19143 (17021408)    169.02095
(17040307)    138.03348 (16011523)    133.10550 (15031607)
 3602347.5 |    150.75230 (15121508)    137.35364 (15020908)    124.18120
(17022803)    123.66710 (17040307)    106.38432 (17040307)
 3602097.5 |     96.71274 (16011722)    101.43075 (15121508)    134.84318
(17021408)     92.75891 (17022803)    131.26788 (17040307)
 3601847.5 |     92.00018 (17010608)    103.37430 (15121508)     89.85685
(15121506)    104.71782 (17021408)     76.20584 (15011201)
 3601597.5 |     85.01796 (17010608)     67.53186 (16011102)     70.28693
(15121508)     78.34160 (15020908)     70.60443 (17011302)
 3601347.5 |     64.58407 (17010608)     62.34806 (15022808)     73.04372
(15121508)     60.37733 (16010602)     78.13059 (17021408)
 3601097.5 |     54.03507 (16121020)     55.90073 (17010608)     54.44777
(15121508)     53.47158 (15121508)     56.19525 (15121506)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 655
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP17     ***
                                 INCLUDING SOURCE(S):     SP17        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     10.46995 (16092207)     18.11927 (17121809)     19.44862
(17121809)     12.04767 (17012609)
 3605847.5 |     18.30938 (17121809)     21.23546 (17121809)     13.09988
(17012609)     14.90925 (17032908)
```

```
 3605597.5 |     23.43200 (17121809)     14.30056 (17012609)     15.78693
(17032908)     10.78908 (15082707)
 3605347.5 |     16.33319 (17032908)     16.29340 (17032908)      9.50978
(15082707)     12.33222 (17100708)
 3605097.5 |     16.00958 (17032908)     12.26143 (17100708)     15.13842
(17100708)     14.02087 (17100708)
 3604847.5 |     33.53366 (17100708)     16.66556 (17100708)     24.79879
(17122309)     24.24356 (17122309)
 3604597.5 |     29.85932 (17122309)     28.52091 (16091707)     56.85587
(16040707)     57.14491 (16040707)
 3604347.5 |     74.75164 (16040707)     43.81415 (16040707)     15.77410
(16040707)     10.06525 (17082707)
 3604097.5 |     22.74746 (17082707)     24.92596 (17082707)     23.93425
(17082707)     21.28185 (17082707)
 3603847.5 |     26.72865 (16121409)     23.60208 (16121409)     21.95360
(17030408)     21.55701 (17030408)
 3603597.5 |     30.91271 (15012317)     26.96035 (15062407)     25.92904
(15062407)     24.83894 (15062407)
 3603347.5 |     94.60212 (17050123)     21.76947 (15061907)     18.46146
(15061907)     17.56711 (15061907)
 3603097.5 |     63.04121 (17122709)     28.65890 (17122709)     21.64755
(17122709)     16.05150 (17062607)
 3602847.5 |    169.84053 (15022202)     48.76806 (15022408)     20.47007
(17122709)     24.32476 (17122709)
 3602597.5 |    154.75039 (17011308)     81.59544 (16040807)     54.16063
(15022408)     51.39905 (15022408)
 3602347.5 |    102.64923 (17010220)    120.20753 (17021119)    109.65077
(16040807)    139.47843 (16040807)
 3602097.5 |    125.41079 (17040307)     75.62322 (17010220)     78.28981
(15031607)     77.23812 (17011308)
 3601847.5 |    100.67225 (17040307)     84.47205 (17040307)     60.78372
(16011523)     55.86739 (15031607)
 3601597.5 |     70.09461 (15011201)     66.28377 (17040307)     78.21354
(17040307)     51.97913 (16011523)
 3601347.5 |     59.24114 (15021604)     53.83370 (15011201)     55.04358
(17040307)     66.62489 (17040307)
 3601097.5 |     68.63624 (17021408)     50.91444 (17022803)     46.82861
(15011201)     49.57988 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 656
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP17     ***
                                INCLUDING SOURCE(S):     SP17        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1048.72945  (17020108)
507708.67   3603932.32      340.12164  (17032907)
        506203.59   3603369.23       94.36952  (17121708)
507919.87   3604794.52      283.49387  (15021508)
        507037.89   3604916.08      136.96301  (17020108)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 657
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP18     ***
                                INCLUDING SOURCE(S):     SP18        ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.36019 (15011008)     31.26556 (16012908)     37.36250
(17020308)     37.79739 (17010508)     45.24471 (17040507)
 3605847.5 |     34.23677 (15020808)     34.52274 (16020408)     32.37298
(15011008)     39.57904 (16012908)     45.25190 (17020308)
 3605597.5 |     43.39207 (15120108)     37.23694 (15040607)     41.74275
(15020808)     43.09527 (16020408)     41.89952 (17010607)
 3605347.5 |     50.86311 (15120108)     56.41800 (15120108)     55.26301
(15120108)     44.44729 (15120108)     51.25785 (15020808)
 3605097.5 |     38.34402 (17032907)     39.23638 (17032907)     53.22370
(15120108)     65.53914 (15120108)     70.84550 (15120108)
 3604847.5 |     36.61708 (16122808)     37.42036 (16122808)     40.25385
(17032907)     46.67520 (17032907)     52.36614 (15120108)
 3604597.5 |     41.79020 (15012708)     46.97713 (15012708)     51.08862
(15012708)     54.08543 (15012708)     55.65161 (16122808)
 3604347.5 |     32.43771 (16022705)     38.75279 (16020508)     47.13299
(16020508)     55.66597 (16020508)     63.49818 (16020508)
 3604097.5 |     34.54630 (16040507)     37.59261 (16040507)     38.79551
(16040507)     41.99453 (15022521)     46.70903 (15022521)
 3603847.5 |     33.76684 (15013008)     38.01402 (15013008)     44.04928
(15013008)     48.71104 (15013008)     55.98019 (15013008)
 3603597.5 |     43.19131 (17121208)     46.54339 (17121208)     51.53501
(17121208)     56.24179 (17121208)     60.54858 (17121208)
 3603347.5 |     30.77504 (17010904)     33.43671 (17010904)     36.12456
(17010904)     39.31571 (16011622)     43.49738 (16121222)
 3603097.5 |     36.65382 (17121708)     40.65575 (17121708)     44.04448
(17121708)     48.08725 (17121708)     47.38159 (17121708)
 3602847.5 |     29.99018 (15120823)     32.62263 (15011003)     36.36914
(15021021)     38.56933 (15122019)     41.79116 (15122019)
 3602597.5 |     29.09556 (15122019)     31.31458 (17122621)     35.10469
(17122621)     37.14230 (16031807)     41.44283 (15012003)
 3602347.5 |     29.00469 (15012003)     30.81153 (15010407)     35.46966
(15092907)     43.94658 (15092907)     42.64115 (15092907)
 3602097.5 |     37.47451 (15092907)     38.37446 (15092907)     33.32973
(17121504)     36.73277 (15011108)     41.34874 (17092807)
 3601847.5 |     27.98747 (17121504)     31.37752 (15011108)     37.93056
(17092807)     43.90651 (17092807)     47.98154 (15092707)
 3601597.5 |     35.68728 (17092807)     39.61967 (17092807)     39.00632
(15092707)     57.89029 (15092707)     55.70299 (15092707)
 3601347.5 |     32.91444 (15092707)     50.33908 (15092707)     54.19704
(15092707)     38.25834 (15092707)     34.99520 (15032207)
 3601097.5 |     51.29638 (15092707)     42.07540 (15092707)     31.14873
(15032207)     28.69032 (15032207)     25.26381 (17122921)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 658
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     42.76385 (17040507)     51.77376 (17020108)     50.51334
(15032407)     66.46825 (17013108)    106.61679 (16120208)
 3605847.5 |     47.51770 (15021008)     54.17363 (17040507)     57.37762
(17020108)     53.79574 (15032407)     77.43506 (17013108)
 3605597.5 |     51.78665 (17020308)     54.78599 (17010508)     63.50668
(17040507)     61.90624 (17020108)     60.17133 (17010622)
 3605347.5 |     52.13360 (16020408)     53.00859 (17010607)     67.84436
(17020308)     71.96837 (15021008)     71.11685 (16021022)
 3605097.5 |     61.11849 (15120108)     65.86331 (15020808)     64.64712
(16020408)     72.92508 (16012908)     82.38657 (17010508)
 3604847.5 |     73.22489 (15120108)     90.80988 (15120108)     89.45081
(15120108)     83.61208 (15020808)     81.15219 (16020408)
 3604597.5 |     50.79156 (17032907)     64.09614 (17032907)     75.54837
(15120108)    114.85366 (15120108)    130.33622 (15120108)
 3604347.5 |     71.00308 (15012708)     82.14111 (15012708)     83.76414
(15012708)     74.94149 (16122808)     93.69488 (17032907)
 3604097.5 |     51.65038 (15122202)     61.47500 (16022705)     79.14255
(16020508)     92.08231 (16020508)    107.44576 (16020508)
 3603847.5 |     64.95069 (15013008)     72.23560 (15013008)     77.35955
(15013008)     88.26619 (15013008)     97.97207 (15013008)
 3603597.5 |     68.03673 (17121208)     73.59854 (17121208)     80.52605
(17121208)     91.24338 (17121208)    109.02794 (17121208)
 3603347.5 |     49.99255 (17122908)     59.17178 (17122908)     70.77208
(17121708)     88.42127 (17121708)    104.44431 (17121708)
 3603097.5 |     47.61949 (15120823)     54.49663 (15011003)     60.76713
(15021021)     71.30258 (15122019)     83.70020 (17122621)
 3602847.5 |     45.72845 (17122621)     52.11154 (17122621)     59.15954
(15012003)     68.87814 (17012206)     81.79437 (16122906)
 3602597.5 |     45.47480 (17012206)     54.79960 (15092907)     58.08250
(17121504)     70.28263 (15011108)     86.11782 (17121308)
 3602347.5 |     44.90511 (15011108)     53.01359 (15011108)     61.58463
(17121308)     78.11357 (15092707)     82.57896 (15092707)
 3602097.5 |     50.33048 (17092807)     59.92533 (15092707)     77.89660
(15092707)     60.59516 (15032207)     51.67386 (15032207)
 3601847.5 |     67.10817 (15092707)     54.83375 (15092707)     48.99330
(15032207)     39.97413 (17122921)     44.21260 (15010718)
 3601597.5 |     41.26093 (15032207)     36.61795 (15032207)     33.74543
(16011423)     37.69022 (15010718)     40.64693 (16032607)
 3601347.5 |     28.65689 (16020522)     30.31129 (17122924)     32.46370
(17011023)     35.13638 (16032607)     40.92450 (15010508)
 3601097.5 |     27.58095 (17122924)     28.69956 (17011023)     31.34156
(16032607)     36.13377 (15010508)     33.69029 (17012624)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 659
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     72.02109 (16120708)     59.90392 (16010223)    135.79201
(15021508)     88.29742 (15021508)    132.25141 (17021508)
 3605847.5 |    114.02923 (16120208)     85.00523 (16120708)     78.73313
(17013021)    176.59779 (15021508)     99.54674 (17010724)
 3605597.5 |     91.88504 (17013108)    118.99285 (16120208)     87.67350
(16120708)    150.22046 (15021508)    109.07038 (15011120)
 3605347.5 |     82.22688 (17020108)    111.61746 (17013108)    116.58395
(16120208)     97.16368 (17021107)    151.25118 (15021508)
 3605097.5 |     90.44540 (15120308)    110.88891 (17020108)    150.39437
(17013108)    136.09877 (16120708)    130.19360 (17013021)
 3604847.5 |    105.62978 (17020308)    119.63098 (15021008)    148.24502
(17020108)    213.07510 (17013108)    244.18369 (16120708)
 3604597.5 |    117.49902 (15020808)    113.03843 (15011008)    150.66230
(17010508)    183.57139 (17020108)    317.99614 (17013108)
 3604347.5 |    133.84716 (15120108)    195.25104 (15120108)    169.77659
(15020808)    197.90822 (16012908)    259.68623 (15120308)
 3604097.5 |    126.50063 (15012708)    149.16865 (15012708)    172.09895
(17032907)    300.43939 (15120108)    342.27895 (15120108)
 3603847.5 |    105.68656 (15013008)    120.20651 (15013008)    142.84612
(15022521)    221.86282 (16020508)    354.30003 (16020508)
 3603597.5 |    122.29749 (17121208)    139.10932 (17121208)    165.74182
(17121208)    193.83474 (17121208)    253.92734 (17010904)
 3603347.5 |    114.72970 (17121708)    114.99997 (15011003)    145.28049
(15122019)    192.56211 (17122621)    232.26464 (17012206)
 3603097.5 |     97.15233 (15012003)    113.15446 (17012206)    135.56473
(17121504)    179.77187 (17121308)    208.92178 (16031707)
 3602847.5 |     97.40955 (15011108)    116.34701 (17121308)    143.47869
(16031707)    138.75048 (15032207)    124.56602 (17020101)
 3602597.5 |     98.69544 (16031707)    101.87481 (15032207)     83.80931
(16020522)     91.40198 (17020101)    104.35807 (16121205)
 3602347.5 |     76.03137 (15032207)     65.02234 (17122924)     72.17920
(15121802)     83.23414 (15010508)    100.63694 (16052806)
 3602097.5 |     51.98553 (17122924)     57.42940 (16032607)     67.14201
(15010508)     69.41263 (17011608)     81.62784 (15123108)
 3601847.5 |     47.56706 (16032607)     56.96099 (15010508)     55.27403
(15021520)     66.52355 (16052806)     67.64777 (15020621)
 3601597.5 |     47.74208 (15010508)     46.14852 (15012007)     57.17261
(16052806)     53.82846 (17021520)     60.36688 (15011308)
 3601347.5 |     39.00338 (15012007)     45.39948 (16052806)     49.26403
(15123108)     49.94680 (15020621)     81.51637 (17020408)
 3601097.5 |     37.12859 (17011608)     44.11803 (16052806)     42.31146
(16021102)     49.07166 (15041007)    104.12085 (17020408)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 660
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     81.77592 (15010104)     85.16707 (16031803)     31.14792
(15123009)     18.36787 (15091407)     63.85664 (17032607)
 3605847.5 |    109.69812 (16021206)     96.37532 (16120908)     83.55904
(16020207)     91.42474 (16021204)    153.79742 (17032607)
 3605597.5 |    166.10030 (16012808)    138.37310 (16120908)     98.39096
(16020207)    130.75439 (15010907)    164.35652 (17032607)
 3605347.5 |    119.06379 (17021508)    160.35679 (16120908)    120.96008
(16051624)     92.62868 (15111919)    186.63902 (17120924)
 3605097.5 |    131.36762 (16100607)    221.87119 (16120908)     65.12941
(17022408)     30.89627 (16091507)     41.32565 (17032607)
 3604847.5 |    268.68049 (15021508)    311.54132 (16012808)    160.29467
(17022408)     47.88795 (16091507)     17.70412 (15022218)
 3604597.5 |    294.21158 (16120708)    301.97870 (16100607)    107.18458
(15092607)     79.79677 (16091507)     25.27293 (16071106)
 3604347.5 |    435.63583 (17013108)    399.61227 (15011121)    706.20381
(16120908)    295.56257 (17032607)     80.82881 (16111708)
 3604097.5 |    430.54923 (17020308)    767.33291 (17013108)    793.65031
(16012808)    891.30319 (17120924)    794.48650 (15012220)
 3603847.5 |    508.31712 (15012708)   1227.49956 (15120108)   2408.99916
(17013108)   2247.02232 (16120518)    947.28557 (15042006)
 3603597.5 |    448.98074 (17121708)    865.06535 (17121708)   2227.58433
(17121504)   2193.51100 (15101924)    259.43374 (15020117)
 3603347.5 |    373.14752 (17121308)    444.40613 (15032207)    718.85807
(16021102)   1113.37256 (17010608)    269.74307 (17120417)
 3603097.5 |    199.94525 (15010718)    285.33387 (16052806)    390.32611
(17122108)    530.95248 (17062106)    484.14946 (16010602)
 3602847.5 |    152.95306 (15012007)    198.16193 (15020621)    222.67177
(15021703)    298.13166 (17010308)    269.80722 (15121508)
 3602597.5 |    133.53886 (16052806)    181.06767 (17012608)    181.05089
(16012208)    218.25945 (17010308)    200.13607 (17010608)
 3602347.5 |    103.83907 (15020621)    164.56951 (17020408)    141.89311
(15011408)    164.29942 (17010308)    144.99296 (17010608)
 3602097.5 |     94.61385 (17012608)     89.02297 (17021124)    115.25693
(15011408)    126.45440 (17010308)    104.70143 (15020520)
 3601847.5 |    129.18178 (17020408)     74.52165 (15122105)     95.17541
(15120608)    100.01151 (17010308)     84.72821 (17010222)
 3601597.5 |    118.93899 (17020408)     64.30090 (15021703)     85.55165
(15120608)     80.98191 (17010308)     78.32436 (17062106)
 3601347.5 |     78.16950 (17020408)     55.80532 (17120701)     76.91746
(15120608)     66.87736 (17010308)     70.12918 (17062106)
 3601097.5 |     55.05630 (17111908)     53.58482 (16012208)     69.61646
(15120608)     56.13460 (17010308)     60.31879 (17062106)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 661
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     15.46734 (17032607)     31.39013 (15021924)     16.12899
(16111708)     19.18823 (17020109)     14.79120 (17020109)
 3605847.5 |     17.84070 (15021124)    108.11386 (15033023)     30.76177
(16083007)     20.20111 (17020109)      7.51905 (17020109)
 3605597.5 |    136.47560 (16121520)    114.71887 (15122821)     89.38745
(15092321)     50.47180 (16100201)     16.34996 (17121809)
 3605347.5 |    157.97841 (16120120)    132.54411 (15052306)    156.73682
(17021903)     32.38053 (16092207)     26.48187 (17121809)
 3605097.5 |     36.14499 (16083007)     28.81096 (17020109)     30.77056
(16092207)    114.41137 (17040402)     34.91617 (17012609)
 3604847.5 |     30.26281 (16111708)     18.92116 (17020109)     34.04163
(17121809)     21.93900 (17032908)     32.82025 (17032908)
 3604597.5 |     36.01608 (17020109)     39.50406 (17121809)     26.90831
(17032908)     15.70224 (17100708)     20.30851 (17100708)
 3604347.5 |     60.53735 (16092207)     65.87006 (17032908)     24.76560
(17100708)     34.30777 (17122309)     42.14261 (16040707)
 3604097.5 |    235.55172 (15081905)     95.08811 (17122309)     93.15822
(16040707)     75.56253 (16040707)     22.30520 (16040707)
 3603847.5 |    434.23246 (16030702)    169.17688 (17110205)     81.81216
(17082707)     37.03877 (16090707)     33.33751 (16090707)
 3603597.5 |     88.24486 (15061907)     81.63803 (17121003)     76.84000
(15062407)     72.61651 (15062407)     35.14550 (15012317)
 3603347.5 |    193.56758 (16040807)    109.83139 (15012417)    297.33271
(15042023)     62.62680 (17012318)    180.45713 (17120919)
 3603097.5 |    140.34073 (17112002)    344.58912 (15031607)    270.91957
(15121020)    251.49985 (15022202)    200.59699 (17021020)
 3602847.5 |    434.65892 (17021408)    263.65925 (17040307)    171.62133
(17010220)    198.60526 (17011308)    176.93927 (16040807)
 3602597.5 |    163.18946 (16010602)    168.53460 (15021604)    184.51687
(17040307)    139.19067 (16011523)    135.54187 (15031607)
 3602347.5 |    156.66015 (15121508)    145.16360 (15020908)    125.21051
(17022803)    134.14468 (17040307)    102.22576 (16011523)
 3602097.5 |     98.39328 (16011722)     98.89512 (15121508)    139.41399
(17021408)     90.22922 (17022803)    140.94235 (17040307)
 3601847.5 |     92.35023 (17010608)    105.43637 (15121508)     91.97908
(15121506)    102.57013 (17021408)     79.70450 (15011201)
 3601597.5 |     86.28665 (17010608)     68.46876 (16011102)     68.73270
(15121508)     80.15102 (15020908)     70.78949 (17011302)
 3601347.5 |     65.92994 (17010608)     63.00751 (15022808)     73.96736
(15121508)     62.40185 (16010602)     80.62833 (17021408)
 3601097.5 |     54.63879 (16121020)     55.75699 (17010608)     56.02170
(15121508)     52.40122 (15121508)     55.95493 (15121506)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 662
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      9.43316 (16092207)     16.96037 (17121809)     19.87504
(17121809)     11.81141 (17012609)
 3605847.5 |     16.89732 (17121809)     21.69685 (17121809)     12.82645
(17012609)     14.86618 (17032908)
 3605597.5 |     23.85946 (17121809)     14.11910 (17012609)     16.01562
(17032908)     11.42818 (15082707)
 3605347.5 |     15.60777 (17012609)     16.90164 (17032908)     10.55023
(15082707)     11.62721 (17100708)
 3605097.5 |     17.22247 (17032908)     11.22946 (17100708)     14.72879
(17100708)     14.32605 (17100708)
 3604847.5 |     31.68440 (17100708)     16.87057 (17100708)     22.85538
(17122309)     25.02085 (17122309)
 3604597.5 |     27.29235 (17122309)     30.56634 (17032608)     49.56194
(16040707)     59.26705 (16040707)
 3604347.5 |     74.44629 (16040707)     54.09149 (16040707)     22.87761
(16040707)      8.63532 (17090407)
 3604097.5 |     19.35395 (17082707)     23.13425 (17082707)     23.75270
(17082707)     22.11477 (17082707)
 3603847.5 |     27.81700 (16090707)     24.56325 (16121409)     22.07282
(16121409)     19.78545 (16121409)
 3603597.5 |     31.86963 (15062407)     29.80839 (15062407)     27.93736
(15062407)     26.30860 (15062407)
 3603347.5 |    100.49290 (15013107)     26.01552 (15061907)     20.41353
(15061907)     18.10267 (15061907)
 3603097.5 |     64.81041 (17122709)     27.29646 (17122709)     19.44228
(17122709)     16.38664 (17062607)
 3602847.5 |    176.28709 (15022202)     39.80167 (15022408)     22.58819
(17122709)     25.14906 (17122709)
 3602597.5 |    152.26984 (17011308)     78.43577 (16040807)     58.63474
(15022408)     46.21090 (15022408)
 3602347.5 |    101.20730 (15031607)    124.62107 (16120121)    124.84860
(16040807)    133.14727 (16040807)
 3602097.5 |    117.96941 (15013119)     76.36133 (17010220)     78.80006
(15031607)     78.82487 (17011308)
 3601847.5 |    108.37732 (17040307)     80.40642 (17040307)     60.64911
(16122817)     58.51898 (15031607)
 3601597.5 |     71.83991 (15011201)     70.73314 (17040307)     75.38902
(17040307)     52.01846 (16011523)
 3601347.5 |     59.42069 (15021604)     54.61372 (15011201)     58.58443
(17040307)     65.17779 (17040307)
 3601097.5 |     68.60831 (17021408)     51.31206 (17022803)     47.08804
(15011201)     52.47649 (17040307)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 663
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP18     ***
                                 INCLUDING SOURCE(S):     SP18        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1033.72173  (15032407)
507708.67   3603932.32      366.99989  (15120108)
        506203.59   3603369.23       91.59785  (17121708)
507919.87   3604794.52      279.10678  (15021508)
        507037.89   3604916.08      137.39733  (17020108)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 664
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     23.68544 (16020408)     21.65835 (16020408)     26.67859
(17020308)     29.28179 (17020308)     30.49789 (15021008)
 3605847.5 |     36.28203 (15120108)     29.80527 (15120108)     27.53833
(16020408)     26.85443 (16012908)     33.23443 (17020308)
 3605597.5 |     49.03446 (15120108)     48.33875 (15120108)     44.19735
(15120108)     36.70990 (15120108)     33.62391 (16020408)
 3605347.5 |     45.64755 (15120108)     52.81152 (15120108)     58.16732
(15120108)     59.56679 (15120108)     55.41599 (15120108)
 3605097.5 |     28.56922 (17032907)     37.83439 (15120108)     48.66791
(15120108)     60.13455 (15120108)     69.73434 (15120108)
 3604847.5 |     33.53872 (15012708)     34.50386 (15012708)     34.02153
(15012708)     35.74758 (15120108)     50.38868 (15120108)
 3604597.5 |     32.28999 (16020508)     35.33106 (15012708)     39.64666
(15012708)     44.71904 (15012708)     51.34527 (15012708)
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 3604347.5 |     24.16004 (16020508)     28.15404 (16020508)     33.08902
(16020508)     38.72223 (16020508)     45.47904 (16020508)
 3604097.5 |     27.22189 (15013008)     29.95712 (15013008)     31.77562
(15013008)     34.23041 (15013008)     37.28889 (15013008)
 3603847.5 |     32.96380 (17121208)     35.69046 (17121208)     39.59890
(17121208)     42.70585 (17121208)     47.86656 (17121208)
 3603597.5 |     30.75063 (17121208)     32.90635 (17121208)     35.80972
(17121208)     38.83721 (17121208)     41.44479 (17121208)
 3603347.5 |     22.18942 (17121708)     25.38197 (17121708)     29.04222
(17121708)     32.99608 (17121708)     37.39658 (17121708)
 3603097.5 |     27.06358 (17121708)     28.65135 (17121708)     30.07538
(17121708)     31.59152 (17121708)     31.36023 (17121708)
 3602847.5 |     20.95493 (15021021)     22.68733 (15021021)     24.68706
(15122019)     26.10155 (15122019)     28.88136 (17122621)
 3602597.5 |     20.38485 (17122621)     21.86151 (17122621)     23.97157
(17021924)     25.99178 (17021924)     28.39877 (17012206)
 3602347.5 |     19.89826 (17021924)     22.67824 (15092907)     24.96404
(15092907)     25.39378 (15092907)     29.57198 (15011108)
 3602097.5 |     22.42177 (15092907)     21.54161 (15092907)     24.75154
(15011108)     27.02305 (15011108)     29.75335 (17121308)
 3601847.5 |     21.11973 (15011108)     22.74700 (17092807)     25.07237
(17092807)     30.36137 (15092707)     37.39864 (15092707)
 3601597.5 |     22.83427 (17092807)     26.51363 (15092707)     32.42041
(15092707)     34.89568 (15092707)     31.94836 (15092707)
 3601347.5 |     29.08832 (15092707)     31.81513 (15092707)     30.90116
(15092707)     25.55278 (15092707)     23.93623 (15032207)
 3601097.5 |     29.40560 (15092707)     25.88311 (15092707)     21.21650
(15032207)     20.65206 (15032207)     17.69523 (15032207)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 665
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     32.52797 (15120308)     35.90456 (17020108)     39.82741
(15032407)     51.41304 (17013108)     63.67253 (16120208)
 3605847.5 |     33.94718 (17010508)     37.47444 (15021008)     38.91920
(17020108)     44.36948 (17020108)     59.33663 (17013108)
 3605597.5 |     34.67047 (17020308)     41.25333 (17020308)     44.67073
(15021008)     45.71874 (15120308)     52.95870 (17020108)
 3605347.5 |     46.33976 (15120108)     40.77434 (16020408)     46.68459
(17020308)     49.99604 (17010508)     56.26110 (15120308)
 3605097.5 |     74.65801 (15120108)     72.25203 (15120108)     60.48718
(15120108)     50.78320 (16020408)     62.05891 (17020308)
 3604847.5 |     66.72321 (15120108)     83.58488 (15120108)     95.93740
(15120108)     96.97894 (15120108)     82.06960 (15120108)
 3604597.5 |     48.19345 (15012708)     48.84209 (15012708)     70.96521
(15120108)     98.95341 (15120108)    126.03817 (15120108)
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 3604347.5 |     52.66213 (16020508)     62.03188 (15012708)     68.55545
(15012708)     72.11810 (15012708)     78.24816 (15012708)
 3604097.5 |     40.84744 (15013008)     47.41718 (15013008)     52.58684
(16020508)     61.15297 (16020508)     76.76151 (16020508)
 3603847.5 |     54.08744 (17121208)     58.55677 (17121208)     62.51903
(17121208)     70.34052 (17121208)     78.64423 (17121208)
 3603597.5 |     45.60747 (17121208)     49.36294 (17121208)     53.20062
(17121208)     59.37844 (17121208)     67.30167 (17121208)
 3603347.5 |     42.48075 (17121708)     47.76911 (17121708)     53.40338
(17121708)     59.88123 (17121708)     64.57912 (17121708)
 3603097.5 |     32.80420 (15021021)     37.36791 (15021021)     40.42857
(15122019)     48.26132 (17122621)     56.99778 (17021924)
 3602847.5 |     31.29211 (16031807)     36.20353 (17021924)     40.13398
(17012206)     47.43838 (16122906)     60.63255 (15011108)
 3602597.5 |     31.07771 (16122906)     36.85902 (15011108)     43.43887
(15011108)     50.19817 (16031707)     66.34504 (16031707)
 3602347.5 |     34.28733 (15011108)     37.88963 (17121308)     47.24996
(16031707)     52.65634 (16031707)     49.52789 (15032207)
 3602097.5 |     35.86155 (15092707)     43.44940 (15092707)     43.38871
(15092707)     40.53935 (15032207)     36.58583 (15032207)
 3601847.5 |     38.65643 (15092707)     32.92164 (15092707)     32.86580
(15032207)     28.29319 (15032207)     29.79761 (17011023)
 3601597.5 |     27.85882 (15032207)     26.20260 (15032207)     23.78121
(17122924)     25.73637 (17020101)     28.25006 (15010508)
 3601347.5 |     21.50250 (15032207)     20.78368 (15010718)     22.28166
(17020101)     24.31275 (15010508)     27.48832 (15010508)
 3601097.5 |     18.84634 (15010718)     19.82274 (17020101)     21.74124
(16032607)     24.59493 (15010508)     23.33000 (15012007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 666
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     60.93732 (16120208)     49.29834 (16120708)     86.89746
(15021508)     90.10767 (15021508)     80.67800 (16012808)
 3605847.5 |     70.23468 (16120208)     64.82400 (16120708)     54.91012
(17022405)    107.27529 (15021508)     77.24721 (16100607)
 3605597.5 |     69.60005 (17013108)     77.24929 (16120208)     77.52220
(16120708)     96.69168 (15021508)    103.75999 (15021508)
 3605347.5 |     64.62228 (17020108)     83.33568 (17013108)     90.66533
(17013108)     89.65405 (16120708)     92.77041 (15021508)
 3605097.5 |     68.84410 (15021008)     78.72240 (17020108)    105.85936
(15032407)    108.74140 (17013108)     95.80420 (16120708)
 3604847.5 |     67.30909 (17020308)     84.31600 (17020308)     95.83447
(15120308)    150.58269 (15032407)    178.12116 (16120708)
 3604597.5 |    139.00670 (15120108)    121.08143 (15120108)    110.33725
(17020308)    138.67344 (15120308)    225.19687 (15032407)
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 3604347.5 |    110.78622 (15120108)    166.80504 (15120108)    212.51731
(15120108)    199.18634 (15120108)    190.39101 (17020308)
 3604097.5 |     95.20200 (16020508)    120.29731 (15012708)    152.03069
(15012708)    206.33267 (15120108)    363.14723 (15120108)
 3603847.5 |     90.23542 (17121208)    104.76999 (17121208)    123.86861
(17121208)    156.00081 (15013008)    209.55814 (15013008)
 3603597.5 |     73.59865 (17121208)     90.60848 (17121708)    120.67962
(17121708)    157.30016 (17121708)    207.01583 (17121708)
 3603347.5 |     69.60129 (15021021)     76.68882 (15122019)     96.60076
(16031807)    128.24321 (17012206)    168.28345 (15011108)
 3603097.5 |     66.30199 (17012206)     81.00729 (15011108)     99.17479
(15011108)    133.45204 (16031707)    133.30953 (15032207)
 3602847.5 |     71.18275 (16031707)     88.79993 (16031707)     90.45403
(16031707)     84.09108 (15032207)     88.27863 (15010508)
 3602597.5 |     66.24231 (16031707)     67.29730 (15032207)     57.56685
(15032207)     64.54349 (15010508)     69.44161 (15021520)
 3602347.5 |     49.43203 (15032207)     44.08552 (15010718)     50.65075
(15010508)     52.41898 (15012007)     64.66981 (16052806)
 3602097.5 |     34.98171 (17011023)     40.40778 (15010508)     42.74095
(15010508)     51.05634 (16052806)     52.72697 (15123108)
 3601847.5 |     33.23868 (15010508)     36.89200 (15010508)     39.64317
(16052806)     44.60620 (15123108)     46.21839 (15011308)
 3601597.5 |     31.52100 (15010508)     31.54511 (16052806)     37.23143
(16052806)     37.61103 (16021102)     55.02159 (17020408)
 3601347.5 |     26.79969 (15021520)     32.13151 (16052806)     33.55639
(15123108)     33.13112 (15123001)     62.45660 (17020408)
 3601097.5 |     27.34872 (16052806)     28.77636 (16052806)     29.32654
(16021102)     41.33450 (17020408)     61.93414 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 667
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     38.33636 (16120206)     53.72107 (17022408)     24.62364
(16112208)     14.95126 (15123009)     42.28434 (17032607)
 3605847.5 |     76.98073 (17021508)    111.18567 (16120908)     49.91831
(17022408)     34.38951 (15111919)     93.19077 (17032607)
 3605597.5 |     95.30501 (17021508)    124.43049 (16120908)     73.97791
(16020207)     99.05300 (15010907)     98.46615 (17032607)
 3605347.5 |     83.11164 (16012808)    126.11610 (16120908)     71.57869
(17022408)     39.54667 (16091507)    120.72248 (17120924)
 3605097.5 |    118.23911 (15021508)    131.49122 (16012808)     42.42296
(17022408)     38.42318 (17032607)     39.28985 (17032607)
 3604847.5 |    179.45648 (16021523)    190.39840 (16012808)     99.26810
(17022408)     55.98529 (17032607)     25.04859 (17032607)
 3604597.5 |    278.11121 (16120708)    183.43452 (15021508)     70.49117
(15092607)     93.23056 (17032607)     31.46663 (16111708)
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 3604347.5 |    293.10655 (15032407)    332.76296 (16120708)    275.36349
(16120206)    225.86507 (17032607)     63.31194 (17020109)
 3604097.5 |    399.92479 (15120108)    464.25241 (15032407)    559.05774
(16100607)    721.59924 (17011124)    425.45483 (15101307)
 3603847.5 |    349.61433 (15012708)    668.84600 (15012708)   1230.37435
(16031307)   1970.14008 (15101307)    399.60653 (16030702)
 3603597.5 |    256.97775 (15021021)    444.37344 (15011108)    788.43596
(15032207)    493.14788 (17092823)    166.24307 (16040807)
 3603347.5 |    253.36931 (16031707)    251.34328 (15010508)    465.17498
(15032307)    507.86042 (17010608)    107.33121 (15021708)
 3603097.5 |    135.87358 (15010508)    178.69199 (15123108)    221.82362
(15032307)    303.05737 (17010308)    323.16588 (15121508)
 3602847.5 |    107.96212 (16052806)    143.20835 (17012608)    155.29906
(15011408)    190.39095 (17010308)    173.03506 (15121508)
 3602597.5 |     87.84542 (15123108)    123.52843 (15032307)    124.29259
(15011408)    141.45350 (17010308)    134.69409 (17010608)
 3602347.5 |     72.49991 (15011308)     92.99444 (17020408)    104.63563
(15120608)    109.48729 (17010308)     98.86106 (17010608)
 3602097.5 |     77.81787 (17020408)     64.57278 (17020408)     89.33952
(15120608)     87.39713 (17010308)     68.43723 (15020520)
 3601847.5 |     79.10462 (17020408)     49.37235 (16120822)     76.82726
(15120608)     71.68362 (17010308)     58.62125 (17062106)
 3601597.5 |     68.89649 (17020408)     44.93956 (16012208)     66.65978
(15120608)     59.83190 (17010308)     52.43998 (17062106)
 3601347.5 |     54.77659 (17020408)     42.09074 (16012208)     58.46828
(15120608)     51.11911 (17010308)     46.07208 (17062106)
 3601097.5 |     40.99799 (17020408)     38.50454 (16012208)     51.78139
(15120608)     43.97431 (17010308)     40.09507 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 668
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     21.97102 (17032607)     13.56089 (16083007)     10.30072
(16111708)     11.99360 (17020109)      9.85143 (17020109)
 3605847.5 |     15.59261 (17032607)     76.63502 (15122821)     18.45282
(16083007)     12.01751 (17020109)      9.71508 (17121809)
 3605597.5 |     76.19275 (15021924)     66.13088 (15122821)     36.70189
(15092321)     19.98698 (17020109)     14.20147 (17121809)
 3605347.5 |     96.80049 (15122821)     79.05133 (16120518)     87.97843
(17022521)     19.65000 (16092207)     15.30020 (17121809)
 3605097.5 |     27.25609 (16083007)     17.03983 (17020109)     22.86739
(16092207)     48.41615 (17040402)     20.57480 (17012609)
 3604847.5 |     20.34110 (17020109)     17.60693 (17121809)     20.13640
(17121809)     13.93891 (17032908)     20.70538 (17100708)
 3604597.5 |     20.91617 (17020109)     24.33356 (17121809)     15.88072
(17032908)     12.95082 (17100708)     18.19992 (17122309)
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 3604347.5 |     38.43793 (17012609)     35.50089 (17032908)     29.80670
(17032608)     39.93857 (16040707)     48.55926 (16040707)
 3604097.5 |     66.88702 (17122309)     73.05212 (16040707)     59.00993
(16040707)     32.06434 (16040707)     17.41672 (17082707)
 3603847.5 |    165.17754 (15090401)     63.22289 (16090707)     39.15000
(17082707)     25.98392 (17030408)     21.04006 (17030408)
 3603597.5 |     47.79283 (16012817)     52.16589 (17122709)     33.40468
(17062607)     31.75518 (15062407)     26.39462 (16052106)
 3603347.5 |    101.91959 (16111408)     86.20571 (16040807)    147.87247
(15012119)     47.63929 (17122709)     80.04973 (17060506)
 3603097.5 |     69.68392 (15021708)    248.80295 (17040307)    180.36094
(17011308)    158.45083 (16121122)    142.61475 (17022805)
 3602847.5 |    271.84611 (17021408)    163.45263 (17040307)    150.17762
(17040307)    135.62307 (15031607)    109.83330 (17011308)
 3602597.5 |    137.60139 (15121508)    144.67208 (17021408)    121.55266
(17040307)    128.13766 (17040307)     89.76513 (15031607)
 3602347.5 |    106.91717 (15121508)     89.42359 (17021408)     96.72936
(17021408)     94.25178 (17040307)    101.30205 (17040307)
 3602097.5 |     70.11323 (17010608)     84.41509 (15121508)     90.94094
(17021408)     63.65883 (17021408)    103.51651 (17040307)
 3601847.5 |     68.35322 (17010608)     73.73333 (15121508)     58.76892
(16010602)     77.79557 (17021408)     53.15791 (17022803)
 3601597.5 |     59.39449 (17010608)     54.03349 (15121508)     59.12374
(15121508)     54.75632 (17021408)     62.08797 (17021408)
 3601347.5 |     48.20048 (17010608)     43.01553 (17010608)     54.14273
(15121508)     41.46753 (16010602)     55.38529 (17021408)
 3601097.5 |     37.59837 (17010608)     43.15174 (17010608)     43.48834
(15121508)     44.86861 (15121508)     38.35113 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 669
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      9.74669 (17121809)     12.24904 (17121809)     11.52920
(17121809)      8.61284 (17121809)
 3605847.5 |     13.16326 (17121809)     12.53874 (17121809)      9.02058
(17121809)      8.73294 (17032908)
 3605597.5 |     13.76343 (17121809)      9.73957 (17032908)      9.22190
(17032908)      7.11611 (17032908)
 3605347.5 |     10.90647 (17032908)      9.70435 (17032908)      7.78266
(17100708)      8.23199 (17100708)
 3605097.5 |      9.99752 (17032908)      9.20614 (17100708)     10.53742
(17122309)     13.13224 (17122309)
 3604847.5 |     14.59885 (16082307)     15.18700 (17122309)     18.02159
(16040707)     26.80807 (16040707)
 3604597.5 |     25.85508 (16040707)     36.07614 (16040707)     37.30326
(16040707)     31.62960 (16040707)
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 3604347.5 |     40.52992 (16040707)     27.39997 (16040707)     16.39511
(16040707)     11.42746 (17082707)
 3604097.5 |     16.61150 (17082707)     15.21571 (17082707)     14.45685
(16090707)     13.94164 (16090707)
 3603847.5 |     18.21613 (17030408)     16.47066 (17030408)     15.16121
(17030408)     14.12215 (17030408)
 3603597.5 |     24.10368 (16052106)     14.99762 (15062407)     14.38659
(15062407)     13.83791 (15062407)
 3603347.5 |     33.55042 (17050123)     15.29584 (17082908)     10.76862
(15061907)     10.10965 (15061907)
 3603097.5 |     35.16812 (17122709)     17.30398 (17122709)     15.79732
(17122709)     13.74633 (17122709)
 3602847.5 |    108.94582 (16121122)     38.41597 (15022408)     28.46643
(15022408)     16.85559 (15022408)
 3602597.5 |     66.84859 (16040807)     46.60512 (16040807)     41.45604
(16040807)     33.16853 (15022408)
 3602347.5 |     73.16038 (17010220)     84.49763 (15031607)     39.92053
(17030301)     82.22706 (16040807)
 3602097.5 |    120.25494 (17040307)     53.58557 (17040307)     54.23871
(15031607)     54.10445 (17011308)
 3601847.5 |     89.28839 (17040307)     70.73028 (17040307)     48.30300
(17040307)     38.95670 (15031607)
 3601597.5 |     45.65889 (15011201)     54.05459 (17040307)     62.95581
(17040307)     44.08940 (17040307)
 3601347.5 |     47.78640 (17021408)     36.42729 (15011201)     46.43445
(17040307)     52.81455 (17040307)
 3601097.5 |     50.39015 (17021408)     36.25901 (17021408)     32.22456
(15011201)     41.29954 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 670
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP2      ***
                                 INCLUDING SOURCE(S):     SP2         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      632.22008  (15021008)
507708.67   3603932.32      299.40292  (15012708)
        506203.59   3603369.23       63.36106  (17121708)
507919.87   3604794.52      168.73085  (16021523)
        507037.89   3604916.08       89.26333  (17020108)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 671
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP6      ***
```

```
                                    INCLUDING SOURCE(S):     SP6         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     25.14620 (15020808)     24.63243 (16020408)     25.01630
(16012908)     30.41009 (17020308)     30.68929 (17010508)
 3605847.5 |     36.62025 (15120108)     31.88251 (15120108)     29.80286
(15020808)     29.67272 (16020408)     32.56805 (16012908)
 3605597.5 |     43.43809 (15120108)     46.27848 (15120108)     45.84576
(15120108)     42.18853 (15120108)     39.19457 (15020808)
 3605347.5 |     34.95513 (15120108)     42.01179 (15120108)     50.14715
(15120108)     55.88482 (15120108)     58.63249 (15120108)
 3605097.5 |     29.58735 (15012708)     31.10068 (17032907)     34.84337
(17032907)     44.49284 (15120108)     57.18019 (15120108)
 3604847.5 |     34.76043 (15012708)     37.34335 (15012708)     37.79296
(15012708)     38.39276 (15012708)     41.04850 (15012708)
 3604597.5 |     31.31966 (16020508)     34.97661 (16020508)     39.15313
(16020508)     44.43831 (16020508)     53.55807 (15012708)
 3604347.5 |     26.20795 (15013008)     27.07888 (15013008)     28.63185
(15013008)     31.71423 (16020508)     40.07541 (16020508)
 3604097.5 |     28.12994 (15013008)     31.84918 (15013008)     34.09439
(15013008)     37.51097 (15013008)     41.92937 (15013008)
 3603847.5 |     34.58025 (17121208)     38.00059 (17121208)     43.45364
(17121208)     46.88006 (17121208)     53.69428 (17121208)
 3603597.5 |     23.88526 (17121208)     24.91416 (17121208)     27.92688
(17010904)     30.79611 (17010904)     33.10224 (17010904)
 3603347.5 |     27.07512 (17121708)     30.36974 (17121708)     33.97243
(17121708)     36.97610 (17121708)     40.03256 (17121708)
 3603097.5 |     24.74127 (17121708)     24.67608 (17121708)     26.08173
(15021021)     30.16869 (15021021)     31.63759 (15122019)
 3602847.5 |     21.86670 (15122019)     23.10171 (15122019)     26.31841
(17122621)     27.91567 (17122621)     30.65119 (17021924)
 3602597.5 |     21.21325 (17021924)     23.15527 (17021924)     26.35940
(15092907)     31.04799 (15092907)     32.75838 (15092907)
 3602347.5 |     25.93831 (15092907)     27.80766 (15092907)     26.81086
(15092907)     27.88593 (15011108)     31.68812 (15011108)
 3602097.5 |     21.93421 (15092907)     23.84769 (15011108)     27.51831
(17092807)     31.24874 (17092807)     38.03088 (15092707)
 3601847.5 |     25.43547 (17092807)     28.07079 (17092807)     32.01939
(15092707)     40.52149 (15092707)     42.93786 (15092707)
 3601597.5 |     27.97716 (15092707)     35.77203 (15092707)     38.81951
(15092707)     35.01241 (15092707)     27.83212 (15032207)
 3601347.5 |     35.69841 (15092707)     34.19424 (15092707)     26.97962
(15092707)     23.76104 (15032207)     21.15997 (15032207)
 3601097.5 |     28.33571 (15092707)     21.44709 (15032207)     20.37024
(15032207)     17.27030 (15032207)     18.30038 (17122924)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 672
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP6      ***
```

```
                                    INCLUDING SOURCE(S):     SP6         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     37.27261 (17040507)     35.20474 (17040507)     42.09253
(17020108)     47.50649 (15032407)     71.02159 (16120208)
 3605847.5 |     38.60612 (17020308)     40.92288 (15021008)     43.21926
(15120308)     47.82682 (17020108)     54.94295 (15032407)
 3605597.5 |     37.24564 (16020408)     43.96468 (17020308)     47.72266
(17020308)     53.89297 (15120308)     55.21868 (17020108)
 3605347.5 |     54.65060 (15120108)     49.05716 (15020808)     46.45796
(16020408)     59.43049 (17020308)     64.80975 (15021008)
 3605097.5 |     68.44581 (15120108)     78.13391 (15120108)     74.56404
(15120108)     63.96416 (15020808)     63.18517 (16012908)
 3604847.5 |     44.92193 (15120108)     63.50350 (15120108)     86.58182
(15120108)    102.60058 (15120108)    105.70194 (15120108)
 3604597.5 |     51.66359 (15012708)     56.71159 (15012708)     55.28143
(15012708)     65.89440 (15120108)    102.26790 (15120108)
 3604347.5 |     50.28534 (16020508)     61.73244 (16020508)     69.39338
(16020508)     70.42300 (16020508)     86.65118 (15012708)
 3604097.5 |     47.47343 (15013008)     57.08391 (15013008)     63.10443
(15013008)     61.86809 (15013008)     66.22956 (15013008)
 3603847.5 |     61.91452 (17121208)     67.75132 (17121208)     71.32569
(17121208)     81.92891 (17121208)     92.22851 (17121208)
 3603597.5 |     38.33778 (17122908)     44.14255 (17121708)     52.00382
(17121708)     63.32781 (17121708)     82.04675 (17121708)
 3603347.5 |     42.76191 (17121708)     44.50296 (17121708)     45.52170
(15021021)     54.49219 (15021021)     62.97654 (15122019)
 3603097.5 |     33.88171 (15122019)     39.95502 (17122621)     43.86542
(17021924)     52.23339 (15010407)     61.39916 (16122906)
 3602847.5 |     33.25859 (15010407)     38.61571 (17012206)     43.49533
(16122906)     54.44285 (15011108)     66.50944 (17121308)
 3602597.5 |     34.46371 (15011108)     40.92262 (15011108)     46.32507
(17121308)     59.99344 (16031707)     69.57453 (15092707)
 3602347.5 |     36.47956 (17092807)     46.82913 (15092707)     57.10938
(15092707)     50.34852 (15092707)     48.72376 (15032207)
 3602097.5 |     47.53825 (15092707)     46.74394 (15092707)     41.17002
(15032207)     36.48439 (15032207)     33.80846 (15010718)
 3601847.5 |     35.10171 (15092707)     32.97502 (15032207)     27.67043
(15032207)     28.78369 (15010718)     31.38107 (16032607)
 3601597.5 |     26.13298 (15032207)     22.70127 (17122924)     24.37971
(17011023)     27.08835 (16032607)     31.10706 (15010508)
 3601347.5 |     20.24434 (17122924)     21.33878 (17011023)     23.45132
(16032607)     26.92625 (15010508)     25.48049 (17012624)
 3601097.5 |     19.22631 (17020101)     20.84052 (16032607)     24.11664
(15010508)     22.78271 (17012624)     24.39962 (16052806)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 673
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP6      ***
```

```
                                  INCLUDING SOURCE(S):     SP6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     77.79692 (16120208)     57.10851 (16120708)     99.73379
(15021508)    107.05195 (15021508)     89.99381 (17021508)
 3605847.5 |     79.74252 (16120208)     83.64233 (16120208)     65.20970
(16120708)    125.87640 (15021508)     89.97620 (16100607)
 3605597.5 |     64.82137 (15032407)     89.36716 (16120208)     84.68487
(16120708)    111.21193 (17013021)    126.65497 (15021508)
 3605347.5 |     67.40726 (17020108)     78.15790 (15032407)    104.68342
(17013108)    103.95739 (16120708)    109.34982 (15021508)
 3605097.5 |     76.89558 (17020308)     87.51002 (15120308)    112.55926
(15032407)    135.45481 (16120208)    129.05702 (16120708)
 3604847.5 |     87.98216 (15020808)    101.39754 (17020308)    123.70726
(15021008)    157.62065 (17020108)    236.56609 (17013108)
 3604597.5 |    146.48239 (15120108)    166.69378 (15120108)    137.02623
(15020808)    175.42866 (17020308)    244.33060 (17020108)
 3604347.5 |     98.48471 (15012708)    109.14192 (15120108)    195.77799
(15120108)    302.54744 (15120108)    258.16078 (15120108)
 3604097.5 |     76.68272 (15013008)    108.83759 (16020508)    157.37294
(16020508)    202.25458 (15012708)    284.62875 (15012708)
 3603847.5 |    103.83450 (17121208)    126.18971 (17121208)    156.34121
(17121208)    207.92094 (17121208)    296.08724 (17121208)
 3603597.5 |     94.45656 (17121708)    106.89366 (17121708)    120.66072
(17121708)    136.87628 (15122019)    190.36995 (17021924)
 3603347.5 |     75.52693 (17122621)     84.54038 (17021924)    109.44964
(16122906)    157.00774 (17121308)    199.41000 (16031707)
 3603097.5 |     75.29407 (15011108)     92.27700 (17121308)    120.87651
(16031707)    124.89952 (15032207)    104.30739 (17011023)
 3602847.5 |     85.38323 (16031707)     84.74007 (16031707)     84.07512
(15032207)     74.79862 (17020101)     85.59601 (15010508)
 3602597.5 |     64.07916 (15032207)     56.15480 (15032207)     59.23635
(16032607)     66.87666 (15010508)     81.19848 (16052806)
 3602347.5 |     41.41471 (17122924)     46.09514 (16032607)     54.55928
(15010508)     60.28060 (16052806)     62.37827 (15123108)
 3602097.5 |     36.73562 (16032607)     43.95721 (15010508)     43.18275
(16052806)     52.93042 (16052806)     51.10781 (15020621)
 3601847.5 |     36.34828 (15010508)     35.57462 (15021520)     44.30917
(16052806)     41.66094 (15123108)     58.03651 (17020408)
 3601597.5 |     29.61637 (15012007)     36.75644 (16052806)     36.89183
(15123108)     36.84416 (15020621)     72.95954 (17020408)
 3601347.5 |     29.68175 (16052806)     33.81376 (16052806)     32.30524
(16021102)     40.75101 (17020408)     74.53521 (17020408)
 3601097.5 |     30.12182 (16052806)     29.39491 (15123108)     29.37026
(15020621)     55.05893 (17020408)     67.08876 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 674
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP6      ***
```

```
                                  INCLUDING SOURCE(S):     SP6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     39.03051 (16120206)     64.89120 (17022408)     22.88598
(15123009)     17.08694 (17032607)     50.70920 (17032607)
 3605847.5 |     87.95950 (17021508)    107.06918 (16120908)     49.77770
(15123009)     38.64607 (16091507)    101.71848 (17032607)
 3605597.5 |    114.47195 (17021508)    133.54909 (16120908)     87.35397
(16020207)    102.40954 (15010907)     99.59294 (17011124)
 3605347.5 |     93.01987 (16012808)    147.95761 (16120908)     76.24476
(17022408)     53.52219 (16091507)    121.88733 (17011124)
 3605097.5 |    155.34921 (15021508)    139.52711 (17070706)     48.49034
(17022408)     62.30648 (17032607)     22.77996 (16010705)
 3604847.5 |    197.88754 (16010202)    177.05736 (16012808)     70.82272
(15123009)     92.77085 (17032607)     24.22144 (16111708)
 3604597.5 |    330.11175 (17013108)    245.40633 (15021508)     87.85769
(15092607)    146.48143 (17032607)     44.05452 (16111708)
 3604347.5 |    341.47586 (15120308)    589.57707 (16120708)    272.71595
(16120206)    189.68043 (17032607)     67.46991 (16092207)
 3604097.5 |    672.12871 (15120108)    709.58653 (17020308)   1283.76202
(16021523)   1304.36051 (17032207)    364.95026 (17110207)
 3603847.5 |    477.43640 (17121208)    809.64692 (17121208)   2505.64816
(17121708)    296.99044 (15013107)    305.45012 (15082523)
 3603597.5 |    330.84256 (15011108)    480.59245 (15032207)    773.38900
(15032307)    287.50745 (17090706)    172.43153 (16013009)
 3603347.5 |    183.24455 (15032207)    253.12080 (16052806)    344.05075
(15032307)    489.47454 (17010608)     87.24519 (17010522)
 3603097.5 |    126.81325 (16052806)    162.89053 (15011308)    220.40570
(15011408)    279.34137 (17062106)    308.47080 (15121508)
 3602847.5 |    109.13325 (16052806)    151.38136 (17020408)    157.11307
(15120608)    155.27345 (17010308)    145.74598 (15121508)
 3602597.5 |     81.07693 (15020621)    117.16757 (17020408)    128.10670
(15120608)    122.03586 (17010308)    120.31831 (17010608)
 3602347.5 |     89.85529 (17020408)     72.79187 (17020408)    103.39630
(15120608)     99.35376 (17010308)     90.61363 (17010608)
 3602097.5 |     97.31807 (17020408)     56.26118 (15021703)     85.21590
(15120608)     80.50925 (17010308)     64.15352 (15020520)
 3601847.5 |     83.76917 (17020408)     50.61961 (16012208)     72.35665
(15120608)     67.05855 (17010308)     56.53396 (17062106)
 3601597.5 |     62.55064 (17020408)     46.89879 (16012208)     61.89137
(15120608)     57.06931 (17010308)     52.57336 (17062106)
 3601347.5 |     43.12693 (17020408)     42.24563 (15011408)     54.42538
(15120608)     49.06916 (17010308)     47.23811 (17062106)
 3601097.5 |     33.19099 (17111908)     39.40226 (15011408)     48.69805
(15120608)     42.94345 (17010308)     41.39139 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 675
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP6      ***
```

```
                                   INCLUDING SOURCE(S):     SP6         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     11.61043 (17032607)     18.46994 (16083007)     12.82244
(17020109)     13.62910 (17020109)      8.40923 (17020109)
 3605847.5 |     10.90039 (16083007)     75.84080 (15122821)     19.70283
(17091007)     11.34839 (17020109)     13.71130 (17121809)
 3605597.5 |     71.08899 (15021924)     62.07446 (15052306)     40.61861
(16100201)     28.18792 (17121809)     17.53677 (17121809)
 3605347.5 |    108.36748 (15122821)     83.02933 (17032207)     89.03669
(16072606)     21.12624 (17012509)     13.84381 (17121809)
 3605097.5 |     31.81610 (16083007)     15.88038 (17020109)     24.73069
(17012509)     53.65044 (15090405)     16.69337 (15110508)
 3604847.5 |     23.79638 (17020109)     26.25133 (17121809)     17.66101
(17032908)     13.00097 (17032908)     26.68173 (17100708)
 3604597.5 |     31.67866 (17121809)     21.54454 (17032908)     16.35984
(17100708)     22.86382 (17122309)     33.23458 (16040707)
 3604347.5 |     44.80763 (15082707)     42.00112 (17100708)     57.21711
(16040707)     61.45846 (16040707)     39.33191 (16040707)
 3604097.5 |    216.46865 (16040707)     52.45462 (16040707)     26.31210
(17082707)     23.46515 (17082707)     21.88716 (16090707)
 3603847.5 |    130.85738 (15012017)     77.70869 (15062407)     35.28132
(17030408)     28.11132 (15062407)     24.96220 (15062407)
 3603597.5 |    103.12737 (15022408)     42.23261 (15122117)     55.75130
(17122709)     34.56164 (17062607)     21.87447 (15061907)
 3603347.5 |    105.53034 (16111408)     84.11385 (16040807)    139.54991
(16040807)     45.01013 (15022408)     77.06423 (17091920)
 3603097.5 |     52.84430 (17122909)    318.45353 (17040307)    165.79883
(15031607)    149.44384 (17011308)    138.02179 (16121122)
 3602847.5 |    217.78890 (15121506)    123.36603 (15011201)    162.64216
(17040307)    131.68674 (17010220)    108.30153 (17011308)
 3602597.5 |    134.04024 (15121508)    135.07889 (17021408)     96.43716
(15011201)    136.00573 (17040307)     86.97300 (16011523)
 3602347.5 |     94.36081 (15121508)     83.73855 (16010602)    103.74938
(17021408)     72.38485 (15011201)    103.36069 (17040307)
 3602097.5 |     63.76040 (17010608)     81.09676 (15121508)     79.19536
(17021408)     70.92743 (17021408)     93.96837 (15011201)
 3601847.5 |     64.19585 (17010608)     68.26728 (15121508)     55.79024
(16010602)     72.58547 (17021408)     55.69940 (17022803)
 3601597.5 |     56.42053 (17010608)     48.71928 (15121508)     56.48405
(15121508)     48.81716 (16010602)     61.86594 (17021408)
 3601347.5 |     46.28942 (17010608)     41.22441 (17010608)     49.46007
(15121508)     40.42851 (15121508)     49.44594 (17021408)
 3601097.5 |     36.28743 (17010608)     41.61688 (17010608)     39.35338
(15121508)     43.48046 (15121508)     38.20468 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 676
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP6      ***
```

```
                                   INCLUDING SOURCE(S):     SP6         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.24728 (17121809)     14.52737 (17121809)     10.97844
(17121809)      9.88900 (17032908)
 3605847.5 |     15.87962 (17121809)     11.74469 (17121809)     10.67210
(17032908)      8.83703 (17032908)
 3605597.5 |     12.71431 (17121809)     11.52616 (17032908)      8.73239
(17032908)      8.50934 (17100708)
 3605347.5 |     12.30523 (17032908)      8.80427 (17100708)      9.90763
(17100708)     10.68304 (17122309)
 3605097.5 |     11.01741 (17100708)     11.52303 (17122309)     15.81555
(17122309)     16.72565 (17122309)
 3604847.5 |     19.40757 (16082307)     21.25708 (16040707)     34.24719
(16040707)     39.24730 (16040707)
 3604597.5 |     47.57902 (16040707)     44.35555 (16040707)     31.67175
(16040707)     19.32172 (16040707)
 3604347.5 |     19.42922 (16040707)     15.13571 (17082707)     15.35382
(17082707)     14.86561 (17082707)
 3604097.5 |     20.21162 (16090707)     18.19769 (16090707)     16.19147
(16090707)     14.24082 (16121409)
 3603847.5 |     22.54665 (15062407)     20.62566 (15062407)     19.05547
(15062407)     17.74406 (15062407)
 3603597.5 |     22.06214 (15061907)     17.30678 (15061907)     14.37932
(15061907)     11.80068 (15061907)
 3603347.5 |     42.28187 (17122709)     17.79603 (17082908)     13.47573
(17122709)     10.93148 (17062607)
 3603097.5 |     44.09845 (15022408)     24.48935 (15022408)     17.90499
(17122709)     16.94655 (17122709)
 3602847.5 |    118.55988 (16040807)     45.96002 (16040807)     39.89841
(15022408)     27.97864 (15022408)
 3602597.5 |     72.23383 (15011223)     39.44943 (16040807)     50.37636
(16040807)     39.76826 (16040807)
 3602347.5 |     79.07338 (17040307)     74.21331 (16010101)     39.74016
(16071324)     77.68002 (16040807)
 3602097.5 |    118.04364 (17040307)     63.30856 (17040307)     51.16738
(17010220)     52.72914 (15031607)
 3601847.5 |     77.83929 (15011201)     69.02399 (17040307)     53.73824
(17040307)     40.11766 (17010220)
 3601597.5 |     48.87813 (17022803)     42.72501 (17040307)     61.54279
(17040307)     46.44847 (17040307)
 3601347.5 |     49.62328 (17021408)     34.37569 (17022803)     36.35491
(17040307)     50.52740 (17040307)
 3601097.5 |     46.28144 (17021408)     38.49313 (17021408)     29.96285
(15011201)     33.93787 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 677
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP6      ***
```

```
                                  INCLUDING SOURCE(S):     SP6         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1668.38028  (15120108)
507708.67   3603932.32      295.75528  (15013008)
        506203.59   3603369.23       57.38142  (15021021)
507919.87   3604794.52      183.95954  (15021508)
        507037.89   3604916.08      112.79830  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 678
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP7      ***
                                  INCLUDING SOURCE(S):     SP7         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     24.88502 (15020808)     24.24384 (16020408)     25.15194
(16012908)     30.39174 (17020308)     30.63390 (17010508)
 3605847.5 |     36.24618 (15120108)     31.51536 (15120108)     29.47433
(15020808)     29.28641 (16020408)     32.88548 (17020308)
 3605597.5 |     43.43017 (15120108)     45.75278 (15120108)     45.11202
(15120108)     41.04021 (15120108)     38.96582 (15020808)
 3605347.5 |     35.40426 (15120108)     42.72157 (15120108)     50.24109
(15120108)     55.61293 (15120108)     57.81709 (15120108)
 3605097.5 |     29.21740 (15012708)     31.54990 (17032907)     35.68307
(15120108)     45.55367 (15120108)     57.93562 (15120108)
 3604847.5 |     34.95580 (15012708)     37.36336 (15012708)     37.77976
(15012708)     37.86785 (15012708)     41.36520 (17032907)
 3604597.5 |     31.81582 (16020508)     35.45108 (16020508)     39.39418
(16020508)     44.92692 (15012708)     53.91125 (15012708)
 3604347.5 |     26.01238 (15013008)     26.79350 (15013008)     28.50841
(16011524)     32.99577 (16020508)     41.54637 (16020508)
 3604097.5 |     28.53711 (15013008)     32.02628 (15013008)     34.35828
(15013008)     37.72795 (15013008)     42.13091 (15013008)
 3603847.5 |     34.70712 (17121208)     38.19458 (17121208)     43.79757
(17121208)     47.25521 (17121208)     54.22067 (17121208)
 3603597.5 |     24.64234 (17121208)     26.11261 (17121208)     28.32503
(17121208)     30.99531 (17010904)     33.40317 (17010904)
 3603347.5 |     26.79694 (17121708)     30.12454 (17121708)     33.99959
(17121708)     37.14748 (17121708)     40.57809 (17121708)
 3603097.5 |     25.35624 (17121708)     25.60489 (17121708)     26.12749
(16011422)     30.33843 (15021021)     31.98259 (15021021)
 3602847.5 |     21.95529 (15122019)     23.49468 (15122019)     26.36008
(17122621)     28.23628 (17122621)     30.74071 (17021924)
 3602597.5 |     21.21746 (16010301)     23.26223 (17021924)     25.65126
(15092907)     30.76141 (15092907)     33.21045 (15092907)
 3602347.5 |     25.70081 (15092907)     27.95648 (15092907)     27.56892
(15092907)     27.91015 (15011108)     31.86197 (15011108)
 3602097.5 |     22.73263 (15092907)     23.88942 (15011108)     26.96325
(17092807)     31.37799 (17092807)     36.85736 (15092707)
 3601847.5 |     24.93520 (17092807)     28.18549 (17092807)     30.97505
(15092707)     40.23657 (15092707)     43.75599 (15092707)
 3601597.5 |     27.34482 (15092707)     35.48760 (15092707)     39.13431
(15092707)     36.09478 (15092707)     28.06613 (15032207)
 3601347.5 |     35.83435 (15092707)     35.03045 (15092707)     28.40232
(15092707)     24.12518 (15032207)     21.94314 (15032207)
 3601097.5 |     29.05675 (15092707)     21.59738 (15032207)     20.87976
(15032207)     17.98697 (15032207)     18.42613 (17122924)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 679
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP7      ***
                                  INCLUDING SOURCE(S):     SP7         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     37.48053 (17040507)     34.79803 (17040507)     41.92958
(17020108)     47.36172 (15032407)     71.54487 (16120208)
 3605847.5 |     38.56430 (17020308)     41.10607 (15021008)     43.01965
(15120308)     47.60199 (17020108)     54.90254 (15032407)
 3605597.5 |     36.75812 (16020408)     44.48898 (17020308)     48.06826
(17010508)     54.09333 (15120308)     55.27536 (17020108)
 3605347.5 |     53.49816 (15120108)     48.78928 (15020808)     46.80968
(16012908)     59.72672 (17020308)     65.14649 (15021008)
 3605097.5 |     68.36588 (15120108)     77.76351 (15120108)     73.14367
(15120108)     63.57622 (15020808)     64.62490 (17020308)
 3604847.5 |     46.17871 (15120108)     64.79369 (15120108)     87.54507
(15120108)    102.47373 (15120108)    103.70035 (15120108)
 3604597.5 |     51.74609 (15012708)     56.38703 (15012708)     54.02311
(15012708)     68.59570 (15120108)    105.38837 (15120108)
 3604347.5 |     51.71278 (16020508)     62.89168 (16020508)     70.14053
(16020508)     69.83460 (16020508)     86.83998 (15012708)
 3604097.5 |     47.65406 (15013008)     57.16120 (15013008)     62.77630
(15013008)     61.23854 (15013008)     64.50355 (15013008)
 3603847.5 |     62.57858 (17121208)     68.52984 (17121208)     72.02210
(17121208)     82.77680 (17121208)     92.97100 (17121208)
 3603597.5 |     37.80212 (17010904)     43.01224 (17122908)     50.64936
(17121708)     62.16613 (17121708)     81.70960 (17121708)
 3603347.5 |     43.57395 (17121708)     46.11680 (17121708)     47.22473
(17121708)     55.01124 (15021021)     64.02383 (15122019)
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 3603097.5 |     34.41999 (15122019)     40.20362 (17122621)     43.72795
(17021924)     52.76376 (15012003)     61.98547 (17012206)
 3602847.5 |     33.44092 (15010407)     39.04818 (17012206)     43.84466
(16122906)     54.49525 (15011108)     66.72944 (17121308)
 3602597.5 |     34.39143 (15011108)     41.13642 (15011108)     46.55347
(17121308)     59.89496 (16031707)     71.22658 (15092707)
 3602347.5 |     36.60629 (17092807)     45.47204 (15092707)     57.50884
(15092707)     52.93435 (15092707)     50.41258 (15032207)
 3602097.5 |     47.42592 (15092707)     48.22775 (15092707)     41.63796
(15032207)     38.20053 (15032207)     33.99768 (15010718)
 3601847.5 |     36.76689 (15092707)     33.44607 (15032207)     28.78582
(15032207)     29.02925 (15010718)     31.47114 (16032607)
 3601597.5 |     26.80643 (15032207)     22.74629 (17122924)     24.60706
(15010718)     27.18451 (16032607)     31.32748 (15010508)
 3601347.5 |     20.36004 (17122924)     21.46558 (17011023)     23.57645
(16032607)     27.02795 (15010508)     25.73792 (17012624)
 3601097.5 |     19.35086 (17011023)     20.96273 (16032607)     24.19054
(15010508)     23.24984 (15010508)     24.38302 (17011608)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 680
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP7      ***
                                 INCLUDING SOURCE(S):     SP7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     77.34997 (16120208)     56.60376 (16120708)     98.54683
(15021508)    105.97786 (15021508)     89.17092 (17021508)
 3605847.5 |     80.18175 (16120208)     82.98665 (16120208)     65.03474
(17021401)    125.13197 (15021508)     89.15136 (16100607)
 3605597.5 |     64.66624 (15032407)     89.77242 (16120208)     84.52999
(16120708)    112.42957 (17013021)    125.64169 (15021508)
 3605347.5 |     68.57197 (17020108)     78.01831 (15032407)    103.11663
(17013108)    102.58808 (16120708)    109.53272 (15021508)
 3605097.5 |     76.38125 (17020308)     87.03020 (15120308)    114.20416
(15032407)    135.93940 (16120208)    127.62495 (16120708)
 3604847.5 |     86.92907 (15020808)    103.07645 (17020308)    123.65709
(15021008)    159.57036 (15032407)    229.53667 (17013108)
 3604597.5 |    147.97418 (15120108)    164.74864 (15120108)    134.76898
(15020808)    174.18171 (17020308)    240.35398 (17020108)
 3604347.5 |     97.10554 (15012708)    115.18610 (15120108)    201.75645
(15120108)    301.84470 (15120108)    242.47014 (15120108)
 3604097.5 |     78.30745 (16020508)    113.34427 (16020508)    161.71607
(16020508)    205.18517 (15012708)    279.31042 (15012708)
 3603847.5 |    103.90622 (17121208)    126.74720 (17121208)    157.05873
(17121208)    210.57901 (17121208)    303.66375 (17121208)
 3603597.5 |     95.40101 (17121708)    110.14530 (17121708)    128.42326
(17121708)    139.23578 (15021021)    192.10519 (17021924)
 3603347.5 |     76.52066 (17122621)     85.88180 (17021924)    110.02695
(16122906)    154.52678 (17121308)    205.95138 (16031707)
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 3603097.5 |     74.63803 (15011108)     91.97799 (17121308)    122.36874
(16031707)    128.11218 (15032207)    106.21015 (15010718)
 3602847.5 |     85.69958 (16031707)     88.24205 (16031707)     87.79598
(15032207)     75.67679 (17020101)     88.83602 (15010508)
 3602597.5 |     65.13633 (15032207)     59.14511 (15032207)     59.26169
(17020101)     68.74097 (15010508)     81.82761 (16052806)
 3602347.5 |     41.75755 (17122924)     45.94058 (16032607)     55.51530
(15010508)     59.65859 (16052806)     63.64780 (15123108)
 3602097.5 |     36.83303 (16032607)     44.48328 (15010508)     42.74522
(15021520)     54.15960 (16052806)     51.83377 (15020621)
 3601847.5 |     36.66294 (15010508)     35.78487 (15012007)     44.64024
(16052806)     42.62658 (15123108)     55.47199 (17020408)
 3601597.5 |     29.74834 (15012007)     36.73274 (16052806)     37.20611
(16052806)     37.31536 (15020621)     71.51340 (17020408)
 3601347.5 |     29.64449 (16052806)     34.37061 (16052806)     32.46890
(16021102)     38.85730 (17020408)     74.86310 (17020408)
 3601097.5 |     30.36042 (16052806)     29.76775 (15123108)     29.74745
(15020621)     53.80970 (17020408)     68.25221 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 681
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP7      ***
                                 INCLUDING SOURCE(S):     SP7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     35.98206 (16120206)     63.96097 (17022408)     22.76674
(15123009)     15.89049 (17032607)     50.80007 (17032607)
 3605847.5 |     88.06181 (17021508)    105.30148 (16120908)     49.44290
(15123009)     37.41395 (16091507)    103.56971 (17032607)
 3605597.5 |    113.78905 (17021508)    133.20895 (16120908)     86.88595
(16020207)    118.97087 (15010907)     95.86061 (17032607)
 3605347.5 |     92.66991 (16012808)    148.21193 (16120908)     77.66862
(17022408)     52.21389 (16091507)    116.69195 (16031023)
 3605097.5 |    156.37387 (15021508)    131.45993 (17070706)     49.06885
(17022408)     58.47100 (17032607)     23.06963 (16010705)
 3604847.5 |    185.13924 (16010202)    168.12009 (16011719)     68.64820
(15123009)     88.10547 (17032607)     21.99281 (16111708)
 3604597.5 |    336.68406 (17013108)    241.85149 (15021508)     87.38181
(15092607)    144.06307 (17032607)     45.03902 (16111708)
 3604347.5 |    348.16867 (17020108)    587.36214 (16120708)    232.36797
(16120206)    209.79602 (17032607)     63.02059 (16092207)
 3604097.5 |    696.21091 (15120108)    718.82494 (17020308)   1247.06012
(16021523)   1151.42418 (16120518)    338.96643 (15081905)
 3603847.5 |    499.90421 (17121208)    852.32462 (17121208)   2708.56473
(17121208)   2421.97319 (16122918)    264.02907 (15012017)
 3603597.5 |    330.81946 (15011108)    507.30610 (15032207)    747.08520
(15032307)    268.45896 (15071806)    149.59143 (16013009)
 3603347.5 |    202.43751 (15032207)    251.91960 (16052806)    384.07908
(17122108)    510.23361 (17010608)     84.98998 (16010521)
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 3603097.5 |    128.65218 (15010508)    159.84914 (15020621)    221.05227
(15011408)    289.81141 (17062106)    319.07572 (15121508)
 3602847.5 |    112.91625 (16052806)    150.86856 (17122108)    155.56960
(15011408)    161.07259 (17010308)    148.70068 (15121508)
 3602597.5 |     82.63422 (15020621)    122.20028 (17020408)    128.14649
(15120608)    125.02807 (17010308)    122.55897 (17010608)
 3602347.5 |     86.42493 (17020408)     77.68373 (17020408)    103.98728
(15120608)    101.01294 (17010308)     91.26289 (17010608)
 3602097.5 |     97.48920 (17020408)     56.91037 (16120822)     85.71005
(15120608)     81.46826 (17010308)     65.00886 (15020520)
 3601847.5 |     86.07148 (17020408)     50.01281 (16012208)     73.02060
(15120608)     67.64454 (17010308)     57.69096 (17062106)
 3601597.5 |     65.03745 (17020408)     46.93474 (16012208)     62.42922
(15120608)     57.31983 (17010308)     53.46920 (17062106)
 3601347.5 |     46.02349 (17020408)     42.48004 (16012208)     54.97277
(15120608)     49.26627 (17010308)     47.88527 (17062106)
 3601097.5 |     33.94373 (17111908)     39.50054 (15011408)     49.29358
(15120608)     43.08524 (17010308)     41.82128 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 682
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP7      ***
                                 INCLUDING SOURCE(S):     SP7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.65351 (17032607)     17.82701 (16083007)     12.53043
(17020109)     13.71358 (17020109)      8.70986 (17020109)
 3605847.5 |     10.36855 (16010705)     75.69990 (15122821)     19.99928
(17091007)     11.70053 (17020109)     13.29203 (17121809)
 3605597.5 |     68.67713 (15021924)     58.45429 (15052306)     35.74824
(16100201)     26.95699 (17121809)     17.51206 (17121809)
 3605347.5 |    104.29608 (15122821)     80.36393 (15092321)     86.86729
(16072606)     21.43194 (17012509)     14.40310 (17121809)
 3605097.5 |     32.26753 (16083007)     16.53161 (17020109)     25.04415
(17012509)     49.84920 (15090405)     16.62231 (15110508)
 3604847.5 |     24.16095 (17020109)     25.69377 (17121809)     17.81524
(17121809)     13.62084 (17032908)     16.40517 (16082307)
 3604597.5 |     30.40315 (17121809)     21.46747 (17032908)     15.97315
(17100708)     21.70556 (17122309)     29.54585 (16040707)
 3604347.5 |     45.26848 (17012609)     42.20129 (17100708)     51.52478
(16040707)     62.43163 (16040707)     43.06920 (16040707)
 3604097.5 |    210.64528 (16040707)     62.40303 (16040707)     25.55731
(17082707)     23.59659 (17082707)     21.39161 (16090707)
 3603847.5 |    134.31432 (15012017)     78.08888 (15062407)     37.63801
(17030408)     28.00267 (15062407)     24.82501 (15062407)
 3603597.5 |    101.77293 (15022408)     42.08599 (17122117)     39.76754
(17062607)     34.42944 (17062607)     23.11927 (15061907)
 3603347.5 |    120.43882 (16111408)     89.31915 (16040807)    136.94934
(15022408)     46.78320 (17122709)     74.00023 (15091922)
```

```
 3603097.5 |     53.65066 (17122909)    314.86254 (17040307)    168.78901
(15031607)    145.15688 (16040807)    131.86361 (16123020)
 3602847.5 |    223.18001 (16010602)    127.02844 (15011201)    165.92566
(17040307)    136.03079 (17010220)    110.66890 (17011308)
 3602597.5 |    137.44141 (15121508)    137.17643 (17021408)     98.76264
(15011201)    138.97468 (17040307)     87.67188 (16011523)
 3602347.5 |     95.76320 (15121508)     85.29586 (16010602)    105.25776
(17021408)     73.53255 (15011201)    105.46421 (17040307)
 3602097.5 |     65.00936 (17010608)     82.46870 (15121508)     80.92758
(17021408)     71.34469 (17021408)     92.85008 (15011201)
 3601847.5 |     65.21070 (17010608)     69.22403 (15121508)     56.73000
(16010602)     73.52127 (17021408)     56.68453 (17022803)
 3601597.5 |     57.08272 (17010608)     49.21982 (15121508)     57.19909
(15121508)     49.40971 (16010602)     62.45150 (17021408)
 3601347.5 |     46.59783 (17010608)     41.94527 (17010608)     49.90122
(15121508)     40.90184 (15121508)     50.20578 (17021408)
 3601097.5 |     36.42103 (15020520)     42.19178 (17010608)     39.68269
(15121508)     43.97250 (15121508)     38.66335 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 683
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP7      ***
                                 INCLUDING SOURCE(S):     SP7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.96590 (17121809)     14.57302 (17121809)     11.33185
(17121809)      9.84293 (17032908)
 3605847.5 |     15.88770 (17121809)     12.20315 (17121809)     10.66368
(17032908)      9.05253 (17032908)
 3605597.5 |     13.21336 (17121809)     11.56737 (17032908)      8.98625
(17032908)      8.30664 (17100708)
 3605347.5 |     12.45421 (17032908)      8.67183 (17100708)      9.80159
(17100708)     10.12706 (17122309)
 3605097.5 |     10.79889 (17100708)     11.19269 (17100708)     15.33953
(17122309)     16.69293 (17122309)
 3604847.5 |     19.27271 (16082307)     19.44438 (17122309)     32.33768
(16040707)     38.71217 (16040707)
 3604597.5 |     45.88209 (16040707)     45.38220 (16040707)     33.81477
(16040707)     21.26728 (16040707)
 3604347.5 |     22.38212 (16040707)     14.52352 (17082707)     15.14673
(17082707)     14.82205 (17082707)
 3604097.5 |     20.19345 (16090707)     18.47720 (16090707)     16.53813
(16090707)     14.76786 (16090707)
 3603847.5 |     22.38654 (15062407)     20.44594 (15062407)     18.86507
(15062407)     17.55248 (15062407)
 3603597.5 |     22.60769 (15061907)     17.46001 (15061907)     14.27124
(15061907)     12.08567 (17042907)
 3603347.5 |     41.80141 (17122709)     17.90540 (17082908)     13.02191
(17122709)     10.92888 (17062607)
```

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 3603097.5 |     42.79041 (15022408)     22.68477 (15022408)     18.09137
(17122709)     16.92979 (17122709)
 3602847.5 |    119.70748 (16040807)     44.35113 (16040807)     39.42250
(15022408)     26.76172 (15022408)
 3602597.5 |     68.70466 (15011223)     41.17079 (16040807)     50.58876
(16040807)     38.59070 (16040807)
 3602347.5 |     77.91172 (17040307)     72.87688 (16010101)     38.09427
(16071324)     79.86612 (16040807)
 3602097.5 |    115.05120 (17040307)     63.41168 (17040307)     51.73791
(17010220)     53.19580 (15031607)
 3601847.5 |     77.88793 (15011201)     70.22848 (17040307)     53.87868
(17040307)     40.73299 (17010220)
 3601597.5 |     49.58797 (17022803)     43.83881 (17040307)     62.61136
(17040307)     46.52941 (17040307)
 3601347.5 |     49.90494 (17021408)     34.51520 (17022803)     37.30858
(17040307)     51.41389 (17040307)
 3601097.5 |     46.65137 (17021408)     38.63250 (17021408)     30.26270
(15011201)     34.94893 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 684
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP7      ***
                                INCLUDING SOURCE(S):     SP7         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1782.43691  (15120108)
507708.67   3603932.32      294.25545  (15013008)
        506203.59   3603369.23       57.88703  (15021021)
507919.87   3604794.52      183.01143  (15021508)
        507037.89   3604916.08      112.41025  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 685
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP8      ***
                                INCLUDING SOURCE(S):     SP8         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     24.53996 (15020808)     23.74382 (16020408)     25.26772
(16012908)     30.36021 (17020308)     30.58967 (17010508)
 3605847.5 |     35.23413 (15120108)     30.46598 (15120108)     29.08867
(15020808)     28.93893 (16020408)     33.45527 (17020308)
 3605597.5 |     43.34401 (15120108)     45.15841 (15120108)     44.12921
(15120108)     39.89237 (15120108)     38.69947 (15020808)
 3605347.5 |     36.27071 (15120108)     43.36017 (15120108)     50.55661
(15120108)     55.21781 (15120108)     56.75095 (15120108)
 3605097.5 |     28.47048 (15012708)     31.94126 (17032907)     36.71892
(15120108)     46.41789 (15120108)     58.69750 (15120108)
 3604847.5 |     35.07037 (15012708)     37.35634 (15012708)     37.42588
(15012708)     37.48166 (15012708)     41.93302 (17032907)
 3604597.5 |     32.30180 (16020508)     35.94187 (16020508)     39.52408
(16020508)     45.47027 (15012708)     54.28172 (15012708)
 3604347.5 |     25.47609 (15013008)     26.37645 (15013008)     28.51664
(16011524)     34.22009 (16020508)     43.06407 (16020508)
 3604097.5 |     28.68010 (15013008)     32.27812 (15013008)     34.56738
(15013008)     37.87400 (15013008)     42.30761 (15013008)
 3603847.5 |     34.79188 (17121208)     38.32646 (17121208)     44.04288
(17121208)     47.51027 (17121208)     54.57496 (17121208)
 3603597.5 |     25.78673 (17121208)     27.11473 (17121208)     29.73124
(17121208)     31.74473 (17121208)     33.64822 (17010904)
 3603347.5 |     26.43588 (17121708)     29.89792 (17121708)     33.87785
(17121708)     37.28200 (17121708)     40.93840 (17121708)
 3603097.5 |     25.96751 (17121708)     26.35599 (17121708)     26.23312
(16011422)     30.39265 (15021021)     32.28159 (15021021)
 3602847.5 |     22.05046 (15021021)     23.72288 (15122019)     26.38593
(17122621)     28.50510 (17122621)     30.76029 (17021924)
 3602597.5 |     21.30375 (16010301)     23.35806 (17021924)     25.55839
(15010407)     30.38424 (15092907)     33.50009 (15092907)
 3602347.5 |     25.39665 (15092907)     28.05771 (15092907)     28.14408
(15092907)     27.67227 (15011108)     32.02678 (15011108)
 3602097.5 |     23.46469 (15092907)     23.65406 (15011108)     26.25446
(17092807)     31.37736 (17092807)     35.53517 (15092707)
 3601847.5 |     24.46654 (17092807)     28.23605 (17092807)     30.03148
(15092707)     39.75173 (15092707)     44.36737 (15092707)
 3601597.5 |     26.18955 (15092707)     34.66369 (15092707)     39.30668
(15092707)     37.21058 (15092707)     28.34202 (15032207)
 3601347.5 |     35.82266 (15092707)     35.67333 (15092707)     29.46508
(15092707)     24.62022 (15032207)     22.29308 (15032207)
 3601097.5 |     30.36877 (15092707)     22.56013 (15092707)     21.07437
(15032207)     18.83580 (15032207)     18.52660 (17122924)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 686
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP8      ***
                                INCLUDING SOURCE(S):     SP8         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       505368.86            505618.86            505868.86
506118.86            506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     37.65858 (17040507)    35.27830 (17020108)     41.74580
(17020108)     47.15613 (15032407)    72.04290 (16120208)
 3605847.5 |     38.46274 (17020308)    41.26913 (15021008)     42.73803
(15120308)     47.33354 (17020108)    54.78692 (15032407)
 3605597.5 |     36.20619 (16020408)    45.01054 (17020308)     48.37230
(17010508)     54.17873 (15120308)    55.28686 (17020108)
 3605347.5 |     52.52062 (15120108)    48.37844 (15020808)     47.80275
(16012908)     59.91063 (17020308)    65.34781 (15021008)
 3605097.5 |     68.21557 (15120108)    77.15233 (15120108)     71.49588
(15120108)     62.71193 (15020808)    66.11985 (17020308)
 3604847.5 |     47.86158 (15120108)    66.27668 (15120108)     88.59337
(15120108)    102.04310 (15120108)   101.27976 (15120108)
 3604597.5 |     51.65639 (15012708)    55.84154 (15012708)     52.61086
(15012708)     71.19456 (15120108)   107.61991 (15120108)
 3604347.5 |     53.30681 (16020508)    64.20338 (16020508)     70.76590
(16020508)     69.92404 (15012708)    86.90270 (15012708)
 3604097.5 |     47.69480 (15013008)    56.87119 (15013008)     62.29157
(15013008)     60.44605 (15013008)    62.52408 (15013008)
 3603847.5 |     63.00225 (17121208)    69.02549 (17121208)     72.44112
(17121208)     83.33859 (17121208)    93.45412 (17121208)
 3603597.5 |     38.24181 (17010904)    41.85233 (17122908)     48.89087
(17121708)     60.80146 (17121708)    80.67595 (17121708)
 3603347.5 |     44.46890 (17121708)    47.53119 (17121708)     49.34181
(17121708)     55.31527 (15021021)    64.69603 (15122019)
 3603097.5 |     34.73952 (15122019)    40.28356 (17122621)     44.20899
(17122621)     53.44725 (15012003)    62.70061 (17012206)
 3602847.5 |     33.73068 (17021924)    39.32853 (17012206)     44.08486
(16122906)     54.03708 (15011108)    66.26717 (17121308)
 3602597.5 |     33.86601 (17121504)    41.17590 (15011108)     46.48559
(17121308)     59.54098 (16031707)    72.30221 (15092707)
 3602347.5 |     36.60647 (17121308)    44.29768 (16031707)     57.66555
(15092707)     55.37557 (15092707)    51.56034 (15032207)
 3602097.5 |     46.96861 (15092707)    49.40938 (15092707)     42.11979
(15032207)     39.24846 (15032207)    34.34060 (17122924)
 3601847.5 |     38.38609 (15092707)    34.21750 (15032207)     29.83836
(15032207)     29.23549 (15010718)    31.49155 (16032607)
 3601597.5 |     27.69008 (15032207)    22.83299 (15032207)     24.88581
(15010718)     27.25619 (16032607)    31.43261 (15010508)
 3601347.5 |     20.39653 (17122924)    21.61025 (15010718)     23.61117
(16032607)     27.12425 (15010508)    26.14334 (15010508)
 3601097.5 |     19.46408 (17011023)    21.02591 (16032607)     24.23986
(15010508)     24.00269 (15010508)    24.52290 (15021520)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 687
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP8       ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       506618.86            506868.86            507118.86
507368.86            507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     76.76919 (16120208)    56.02422 (16120708)     97.58965
(15021508)    104.92310 (15021508)    88.41268 (17021508)
 3605847.5 |     80.61873 (16120208)    82.13607 (16120208)     65.15611
(17021401)    124.42942 (15021508)    87.92018 (16100607)
 3605597.5 |     64.53453 (15032407)    90.19561 (16120208)     84.33979
(16120708)    112.67244 (17013021)   124.50047 (15021508)
 3605347.5 |     69.70367 (17020108)    77.86127 (15032407)    101.42215
(17013108)    101.07104 (16120708)   109.70859 (15021508)
 3605097.5 |     76.68365 (17010508)    86.18197 (15120308)    115.64426
(15032407)    136.23662 (16120208)   125.93238 (16120708)
 3604847.5 |     85.64863 (16020408)   104.40723 (17020308)    122.86777
(15021008)    161.64126 (15032407)   221.87617 (17013108)
 3604597.5 |    149.16325 (15120108)   161.07315 (15120108)    132.73963
(16020408)    171.39694 (17020308)   235.27733 (17020108)
 3604347.5 |     95.86567 (15012708)   121.31214 (15120108)    207.19424
(15120108)    298.57519 (15120108)   237.80358 (17020308)
 3604097.5 |     82.33028 (16020508)   118.08496 (16020508)    165.02094
(16020508)    206.74623 (15012708)   283.24615 (15120108)
 3603847.5 |    103.62327 (17121208)   126.54531 (17121208)    156.35044
(17121208)    210.84119 (17121208)   306.41927 (17121208)
 3603597.5 |     95.80507 (17121708)   112.58065 (17121708)    135.58027
(17121708)    141.57812 (15021021)   194.56808 (17122621)
 3603347.5 |     77.02363 (17122621)    86.73880 (15012003)    110.21918
(17012206)    155.05708 (15011108)   210.20269 (16031707)
 3603097.5 |     74.24617 (17121504)    91.12338 (15011108)    123.22390
(16031707)    130.26129 (15032207)   108.10852 (15010718)
 3602847.5 |     85.37513 (16031707)    91.59675 (16031707)     91.56268
(15032207)     76.60999 (17011023)    91.82788 (15010508)
 3602597.5 |     66.00166 (15032207)    62.22244 (15032207)     59.86632
(17020101)     70.17535 (15010508)    81.90764 (16052806)
 3602347.5 |     42.11579 (15032207)    46.02278 (17020101)     56.27694
(15010508)     58.84046 (16052806)    64.61757 (15123108)
 3602097.5 |     36.60599 (16032607)    44.90662 (15010508)     43.05546
(15021520)     55.13302 (16052806)    52.46462 (15020621)
 3601847.5 |     36.90006 (15010508)    36.06628 (15012007)     44.87103
(16052806)     43.62755 (15123108)    52.84005 (17020408)
 3601597.5 |     30.06539 (17012624)    36.53696 (16052806)     38.15683
(16052806)     37.71081 (15020621)    70.21023 (17020408)
 3601347.5 |     29.12982 (16052806)    34.76036 (16052806)     32.50723
(15123108)     36.78547 (17020408)    75.11084 (17020408)
 3601097.5 |     30.52463 (16052806)    30.06974 (15123108)     30.06006
(15020621)     52.14887 (17020408)    69.60399 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 688
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP8       ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       507868.86             508118.86             508368.86
508618.86             508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     33.27785 (16120206)    63.18273 (17022408)     22.62660
(15123009)    15.11623 (16091507)    50.72295 (17032607)
 3605847.5 |     88.07602 (17021508)   103.09670 (16120908)     50.29770
(17022408)    35.94465 (16091507)   105.29117 (17032607)
 3605597.5 |    113.05958 (17021508)   132.67296 (16120908)     86.23232
(16020207)   122.53444 (15010907)    99.70793 (17032607)
 3605347.5 |     92.33025 (16012808)   148.19470 (16120908)     78.80457
(17022408)    50.81503 (16091507)   112.42896 (16031023)
 3605097.5 |    157.11668 (15021508)   123.40663 (17070706)     49.29131
(17022408)    54.25691 (17032607)    23.35142 (17032607)
 3604847.5 |    172.71064 (15123006)   163.01551 (17021508)     66.60208
(15123009)    82.63285 (17032607)    19.63433 (16111708)
 3604597.5 |    329.80160 (16120708)   237.93269 (15021508)     86.62631
(15092607)   139.22905 (17032607)    45.11587 (16111708)
 3604347.5 |    356.66168 (17020108)   577.93961 (16120708)    208.97331
(17021508)   224.98529 (17032607)    65.88266 (17020109)
 3604097.5 |    709.02222 (15120108)   709.11789 (17020308)   1166.32586
(16021523)  1138.50651 (15122821)   311.91095 (15081905)
 3603847.5 |    509.08543 (17121208)   850.28662 (17121208)   2763.70918
(17121208)  2203.51296 (16020303)   239.79408 (15061006)
 3603597.5 |    323.57903 (15011108)   555.76755 (16031707)    800.10625
(16052806)   260.75655 (16092807)   137.32683 (16041107)
 3603347.5 |    221.92775 (15032207)   246.84151 (16052806)    427.03543
(17122108)   530.87003 (17010608)    85.92277 (16010521)
 3603097.5 |    136.49017 (15010508)   164.37823 (16021102)    220.37053
(15011408)   300.03854 (17062106)   329.78493 (15121508)
 3602847.5 |    116.58859 (16052806)   152.28380 (17122108)    157.31059
(15011408)   166.89851 (17010308)   152.12292 (15121508)
 3602597.5 |     84.14970 (16021102)   126.90400 (17020408)    127.27282
(15120608)   127.93664 (17010308)   124.98972 (17010608)
 3602347.5 |     82.66312 (17020408)    83.35632 (17020408)    104.03723
(15120608)   102.81338 (17010308)    92.14217 (17010608)
 3602097.5 |     97.19320 (17020408)    57.82845 (16120822)     85.98960
(15120608)    82.39178 (17010308)    65.88798 (15020520)
 3601847.5 |     88.07180 (17020408)    49.69619 (16012208)     73.38559
(15120608)    68.22127 (17010308)    58.84459 (17062106)
 3601597.5 |     68.09724 (17020408)    47.03743 (16012208)     62.95698
(15120608)    57.62462 (17010308)    54.39930 (17062106)
 3601347.5 |     48.25731 (17020408)    42.67136 (16012208)     55.55360
(15120608)    49.32812 (17010308)    48.50690 (17062106)
 3601097.5 |     34.72876 (17111908)    39.60560 (15011408)     49.82609
(15120608)    43.24402 (17010308)    42.24934 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 689
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP8      ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       509118.86             509368.86             509618.86
509868.86             510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.97977 (17032607)    17.21199 (16083007)     12.15881
(17020109)    13.85564 (17020109)     9.07224 (17020109)
 3605847.5 |     10.75320 (16010705)    75.19874 (15122821)     20.20113
(17091007)    12.05761 (17020109)    12.73877 (17121809)
 3605597.5 |     66.04762 (15021924)    54.50610 (15052306)     31.48848
(17020109)    25.59380 (17121809)    17.44902 (17121809)
 3605347.5 |     99.34639 (15122821)    78.73704 (15092321)     83.90458
(16072606)    21.72305 (17012509)    15.00662 (17121809)
 3605097.5 |     32.56108 (16083007)    17.23196 (17020109)     25.17184
(17012509)    46.03074 (17090523)    16.43905 (15110508)
 3604847.5 |     24.44100 (17020109)    24.98444 (17121809)     18.88832
(17121809)    14.22401 (17032908)    15.49748 (16082307)
 3604597.5 |     28.74883 (17121809)    21.81364 (17121809)     15.46833
(17100708)    20.34131 (17122309)    25.67072 (16040707)
 3604347.5 |     46.25424 (17012609)    42.15775 (17100708)     44.92394
(16040707)    62.34482 (16040707)    46.85507 (16040707)
 3604097.5 |    118.26140 (16091707)    72.51649 (16040707)     25.23203
(16040707)    23.54429 (17082707)    20.76298 (17082707)
 3603847.5 |    122.96997 (15021202)    76.70036 (15062407)     39.80678
(17030408)    28.66172 (17030408)    24.40193 (15062407)
 3603597.5 |     97.34691 (15022408)    43.69064 (17062607)     40.15498
(17062607)    34.18357 (17062607)    24.33207 (15061907)
 3603347.5 |    137.13578 (16111408)    94.42936 (16040807)    138.55566
(15022408)    48.50804 (17122709)    72.96399 (15091922)
 3603097.5 |     54.48412 (17122909)   305.04745 (17040307)    170.98982
(15031607)   148.02731 (16040807)   127.72523 (16123020)
 3602847.5 |    227.05392 (16010602)   131.10074 (15011201)    168.91105
(17040307)   140.08240 (15031607)   112.87786 (17011308)
 3602597.5 |    140.95351 (15121508)   139.44816 (17021408)    101.13270
(15011201)   141.78120 (17040307)    88.50232 (16122817)
 3602347.5 |     97.33271 (15121508)    86.98883 (16010602)    106.71800
(17021408)    74.70180 (15011201)   107.53457 (17040307)
 3602097.5 |     66.35197 (17010608)    83.88042 (15121508)     82.88781
(17021408)    71.65243 (17021408)    91.02966 (15011201)
 3601847.5 |     66.27235 (17010608)    70.25289 (15121508)     57.75929
(16010602)    74.53990 (17021408)    57.66963 (17022803)
 3601597.5 |     57.76213 (17010608)    49.78629 (15121508)     57.92922
(15121508)    50.02495 (16010602)    63.03437 (17021408)
 3601347.5 |     46.93849 (17010608)    42.67292 (17010608)     50.38580
(15121508)    41.35933 (15121508)    51.05132 (17021408)
 3601097.5 |     36.88253 (15020520)    42.77965 (17010608)     40.04632
(15121508)    44.47176 (15121508)    39.13844 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 690
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP8      ***
                                  INCLUDING SOURCE(S):     SP8         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.46574 (17121809)     14.56703 (17121809)     11.62025
(17121809)     9.80109 (17032908)
 3605847.5 |     15.86369 (17121809)     12.52645 (17121809)     10.64763
(17032908)     9.24368 (17032908)
 3605597.5 |     13.63965 (17121809)     11.59514 (17032908)      9.31705
(17032908)     8.11982 (17100708)
 3605347.5 |     12.62452 (17032908)      9.08444 (17032908)      9.65662
(17100708)     9.69060 (17100708)
 3605097.5 |     10.53632 (17100708)     11.15179 (17100708)     14.72547
(17122309)    16.60540 (17122309)
 3604847.5 |     18.97936 (16082307)     19.38149 (17122309)     30.13266
(16040707)    37.86634 (16040707)
 3604597.5 |     43.56861 (16040707)     46.00387 (16040707)     36.01584
(16040707)    23.37469 (16040707)
 3604347.5 |     25.76615 (16040707)     13.86477 (17082707)     14.73528
(17082707)    14.66104 (17082707)
 3604097.5 |     19.98049 (16090707)     18.58348 (16090707)     16.90345
(16090707)    15.24667 (16090707)
 3603847.5 |     22.01438 (15062407)     20.11350 (15062407)     18.55740
(15062407)    17.25545 (15062407)
 3603597.5 |     23.02200 (15061907)     17.51233 (15061907)     14.08249
(17042907)    12.49554 (17042907)
 3603347.5 |     41.34811 (17122709)     18.00705 (17082908)     12.48428
(17122709)    10.85055 (17062607)
 3603097.5 |     41.12725 (15022408)     20.81566 (15022408)     18.20785
(17122709)    16.81029 (17122709)
 3602847.5 |    120.45228 (16040807)     42.70407 (16040807)     38.87686
(15022408)    25.44937 (15022408)
 3602597.5 |     64.98082 (15011223)     42.88611 (16040807)     50.68060
(16040807)    37.38104 (16040807)
 3602347.5 |     76.48688 (17040307)     71.19278 (16010101)     36.34790
(16071324)    82.24223 (16040807)
 3602097.5 |    111.35567 (17040307)     63.22512 (17040307)     52.24074
(17010220)    53.62603 (15031607)
 3601847.5 |     77.28007 (15011201)     71.46158 (17040307)     53.74250
(17040307)    41.37009 (17010220)
 3601597.5 |     50.24725 (17022803)     45.27472 (17040307)     63.62752
(17040307)    46.36804 (17040307)
 3601347.5 |     50.16102 (17021408)     34.63692 (17022803)     38.39255
(17040307)    52.24748 (17040307)
 3601097.5 |     47.06890 (17021408)     38.73118 (17021408)     30.60425
(15011201)    35.90109 (17040307)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 691
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP8      ***
                                 INCLUDING SOURCE(S):     SP8         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     1837.20396  (15120108)
507708.67   3603932.32      288.29656  (15013008)
        506203.59   3603369.23       58.14578  (15021021)
507919.87   3604794.52      182.36527  (15021508)
        507037.89   3604916.08      112.60283  (15120308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 692
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86            505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.21955 (16020408)     24.66876 (16020408)     27.54761
(16012908)    33.02029 (17020308)     33.37767 (17010508)
 3605847.5 |     33.33495 (15120108)     30.63244 (15020808)     31.16481
(16020408)    30.05202 (16020408)     36.48666 (17020308)
 3605597.5 |     44.03942 (15120108)     45.37795 (15120108)     42.97129
(15120108)    40.44861 (15020808)     41.77641 (16020408)
 3605347.5 |     36.53349 (15120108)     43.81223 (15120108)     51.54166
(15120108)    55.92009 (15120108)     56.62311 (15120108)
 3605097.5 |     29.17916 (17032907)     34.39722 (17032907)     37.89851
(17032907)    45.95529 (15120108)     59.51118 (15120108)
 3604847.5 |     37.62485 (15012708)     39.78123 (15012708)     39.30424
(15012708)    38.11564 (15012708)     45.20912 (17032907)
 3604597.5 |     35.21418 (16020508)     39.21459 (16020508)     43.06321
(16020508)    48.83441 (15012708)     58.03072 (15012708)
 3604347.5 |     27.23526 (16040507)     28.83955 (15022521)     31.35939
(16011524)    36.14244 (16020508)     46.35251 (16020508)
 3604097.5 |     31.54012 (15013008)     35.51177 (15013008)     37.95302
(15013008)    41.59885 (15013008)     46.27089 (15013008)
 3603847.5 |     37.70988 (17121208)     41.61291 (17121208)     47.90095
(17121208)    51.68571 (17121208)     59.34200 (17121208)
 3603597.5 |     26.78300 (17121208)     28.19121 (17121208)     31.03799
(16010120)    34.41128 (17010904)     37.33102 (17010904)
 3603347.5 |     27.67554 (17121708)     31.89051 (17121708)     36.53466
(17121708)    40.80372 (17121708)     45.11423 (17121708)
 3603097.5 |     28.48882 (17121708)     28.77084 (17121708)     29.09648
(15120823)    33.38836 (15021021)     35.82369 (15021021)
 3602847.5 |     24.47278 (15021021)     26.37342 (15122019)     28.80027
(17021301)    31.65623 (17122621)     33.59096 (16010301)
 3602597.5 |     23.70146 (17122621)     25.72663 (15012003)     28.39355
(15012003)    33.00574 (15092907)     37.86880 (15092907)
 3602347.5 |     27.39520 (15092907)     31.56111 (15092907)     32.03055
(15092907)    29.61659 (17121504)     34.84654 (15011108)
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 3602097.5 |     26.47053 (15092907)     25.47081 (15011108)     28.54234
(15011108)     35.01046 (17092807)     36.15831 (17092807)
 3601847.5 |     25.91721 (17092807)     31.69551 (17092807)     31.67768
(17092807)     43.03484 (15092707)     50.37844 (15092707)
 3601597.5 |     28.85578 (17092807)     37.23561 (15092707)     44.40455
(15092707)     42.16556 (15092707)     31.02214 (15032207)
 3601347.5 |     40.16773 (15092707)     40.55325 (15092707)     32.61448
(15092707)     26.87568 (15032207)     24.05460 (15032207)
 3601097.5 |     33.80258 (15092707)     23.79842 (15032207)     22.89971
(15032207)     19.23080 (15032207)     20.49942 (17122924)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 693
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP9      ***
                                INCLUDING SOURCE(S):     SP9         ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     42.52723 (17040507)     38.07782 (16021022)     45.30746
(17020108)     49.95148 (15032407)     80.38158 (16120208)
 3605847.5 |     41.75840 (17020308)     45.13282 (15021008)     45.48554
(15120308)     51.36244 (17020108)     57.98705 (15032407)
 3605597.5 |     39.04159 (17122119)     49.71946 (17020308)     53.56426
(17010508)     59.02969 (15120308)     60.20464 (17020108)
 3605347.5 |     50.31755 (15020808)     52.17947 (16020408)     52.98225
(16012908)     65.90323 (17020308)     71.41534 (15021008)
 3605097.5 |     69.66160 (15120108)     78.72038 (15120108)     68.19181
(15120108)     67.76006 (16020408)     73.03562 (17020308)
 3604847.5 |     45.63997 (15120108)     66.29900 (15120108)     93.04046
(15120108)    105.52738 (15120108)     98.31645 (15120108)
 3604597.5 |     55.18937 (15012708)     58.36059 (15012708)     52.29873
(17032907)     69.80392 (15120108)    112.10478 (15120108)
 3604347.5 |     58.18825 (16020508)     70.35468 (16020508)     77.36065
(16020508)     74.56741 (15012708)     93.14912 (15012708)
 3604097.5 |     51.90053 (15013008)     61.07541 (15013008)     66.57860
(15013008)     63.48023 (15013008)     64.02187 (15022521)
 3603847.5 |     68.35314 (17121208)     75.04059 (17121208)     78.91625
(17121208)     90.86504 (17121208)    101.78312 (17121208)
 3603597.5 |     42.56657 (17010904)     46.15372 (17010904)     50.81795
(17122908)     62.68078 (17122908)     85.53532 (17121708)
 3603347.5 |     49.33528 (17121708)     52.82850 (17121708)     54.52929
(17121708)     60.94389 (15021021)     71.90118 (15021021)
 3603097.5 |     38.63675 (15122019)     44.12976 (17122621)     49.48152
(17122621)     59.54084 (15012003)     69.43441 (17012206)
 3602847.5 |     37.54179 (15012003)     43.52230 (17012206)     48.57349
(16122906)     57.97628 (17121504)     70.98684 (17121308)
 3602597.5 |     37.55962 (16122906)     44.44863 (15011108)     50.35556
(17121308)     63.13948 (16031707)     81.89041 (15092707)
 3602347.5 |     40.52659 (17092807)     46.83577 (16031707)     64.24715
(15092707)     63.31369 (15092707)     56.71940 (15032207)
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 3602097.5 |     51.75848 (15092707)     56.40810 (15092707)     45.99600
(15032207)     42.72084 (15032207)     38.12782 (17122924)
 3601847.5 |     43.12925 (15092707)     37.46066 (15032207)     31.74235
(15032207)     32.35084 (15010718)     34.39057 (15121802)
 3601597.5 |     30.01168 (15032207)     24.77654 (17122921)     27.61894
(15010718)     29.62147 (15121802)     34.47289 (15010508)
 3601347.5 |     22.47054 (17122924)     23.98396 (15010718)     25.74776
(16032607)     29.52648 (15010508)     28.87691 (15010508)
 3601097.5 |     21.47499 (17011023)     22.96413 (16032607)     26.32035
(15010508)     26.55334 (15010508)     27.22049 (15021520)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 694
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP9      ***
                                INCLUDING SOURCE(S):     SP9         ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     83.07785 (16120208)     58.68763 (16120708)    104.54255
(15021508)    113.67555 (15021508)     96.84860 (17021508)
 3605847.5 |     90.38636 (16120208)     86.82076 (16120208)     71.98351
(17021401)    139.37628 (15021508)     94.19638 (16100607)
 3605597.5 |     68.31376 (15032407)    101.36039 (16120208)     91.91689
(16120708)    121.23269 (17013021)    135.65286 (15021508)
 3605347.5 |     76.77829 (17020108)     82.35929 (15032407)    111.25399
(16120208)    107.58787 (16120708)    122.03758 (15021508)
 3605097.5 |     85.12076 (17010508)     91.23770 (15120308)    124.52003
(15032407)    153.31436 (16120208)    131.39400 (16120708)
 3604847.5 |     92.28029 (16020408)    115.76959 (17020308)    133.72405
(15120308)    171.27888 (15032407)    232.44011 (16120208)
 3604597.5 |    157.58160 (15120108)    159.63151 (15120108)    140.79075
(16020408)    188.16060 (17010508)    253.17372 (17020108)
 3604347.5 |     99.29624 (15012708)    120.56930 (15120108)    220.72808
(15120108)    302.71906 (15120108)    267.03795 (17020308)
 3604097.5 |     89.11995 (16020508)    131.31781 (16020508)    182.28637
(16020508)    224.01484 (15012708)    301.01629 (15120108)
 3603847.5 |    111.12101 (17121208)    136.12103 (17121208)    167.12540
(17121208)    228.25505 (17121208)    333.19924 (17121208)
 3603597.5 |    103.97012 (17121708)    125.30344 (17121708)    154.19785
(17121708)    158.98375 (17121708)    218.40666 (17122621)
 3603347.5 |     84.74872 (17122621)     96.01090 (15012003)    123.16853
(17012206)    166.95207 (15011108)    231.33194 (16031707)
 3603097.5 |     82.21383 (16122906)     99.57581 (15011108)    132.57902
(16031707)    143.15844 (15032207)    121.22890 (17122924)
 3602847.5 |     90.43962 (16031707)    100.88516 (16031707)    101.55905
(15032207)     86.13071 (15010718)    103.66014 (15010508)
 3602597.5 |     72.25547 (15032207)     67.67867 (15032207)     66.28971
(17011023)     78.50270 (15010508)     88.78984 (16052806)
 3602347.5 |     46.00984 (17122924)     51.05650 (17020101)     62.58544
(15010508)     61.45952 (17011608)     72.02537 (15123108)
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 3602097.5 |     40.38148 (17020101)     49.69170 (15010508)     47.61755
(15012007)     61.24935 (16052806)     58.68913 (16021102)
 3601847.5 |     40.65869 (15010508)     39.89132 (15012007)     48.98662
(16052806)     48.84674 (15123108)     53.22841 (15011308)
 3601597.5 |     33.39519 (17012624)     38.83900 (16052806)     42.19781
(16052806)     41.98785 (15020621)     73.03697 (17020408)
 3601347.5 |     31.24363 (17011608)     38.46186 (16052806)     36.18091
(15123108)     39.37431 (15041007)     83.96655 (17020408)
 3601097.5 |     33.46077 (16052806)     33.36061 (15123108)     33.45340
(15020621)     51.85134 (17020408)     79.30248 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 695
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     37.28403 (16120206)     68.10305 (17022408)     25.36164
(15123009)     15.45804 (15123009)     56.97589 (17032607)
 3605847.5 |     95.62014 (17021508)    106.35041 (16120908)     54.50662
(15123009)     36.46969 (16091507)     59.66610 (17032607)
 3605597.5 |    126.75861 (17021508)    139.83842 (16120908)     93.87021
(16020207)    131.82570 (15010907)    111.74865 (17032607)
 3605347.5 |     95.39470 (17010724)    159.82216 (16120908)     87.24696
(17022408)     53.83123 (16091507)    124.57916 (17011124)
 3605097.5 |    173.63802 (15021508)    137.32865 (17070706)     55.30947
(17022408)     50.03815 (17032607)     26.32213 (15021124)
 3604847.5 |    191.45719 (15123006)    179.54177 (17021508)     68.52377
(15123009)     81.43616 (17032607)     16.65592 (16111708)
 3604597.5 |    351.24446 (16120708)    261.20280 (15021508)     96.07818
(15092607)    145.89879 (17032607)     49.09941 (16111708)
 3604347.5 |    396.98214 (17020108)    620.36007 (16120708)    224.33511
(16120206)    252.71940 (17032607)     76.39683 (17020109)
 3604097.5 |    751.28066 (15120108)    782.78554 (15021008)   1234.95951
(16021523)   1202.74994 (15033023)    332.73110 (15081905)
 3603847.5 |    552.93066 (17121208)    901.12389 (17121208)   3399.48520
(15012708)   2351.75616 (15090401)    256.52710 (15011221)
 3603597.5 |    353.95214 (17012206)    650.12993 (16031707)    989.16170
(16052806)    312.89593 (15012817)    145.03147 (16041107)
 3603347.5 |    255.69552 (15032207)    254.73495 (15010508)    508.00571
(17122108)    590.13675 (17010608)    103.45607 (17020419)
 3603097.5 |    157.09405 (15010508)    185.91727 (16021102)    236.98538
(16012208)    336.69970 (17062106)    368.55470 (15121508)
 3602847.5 |    131.04389 (16052806)    167.24874 (17012608)    171.46491
(15011408)    187.88307 (17010308)    161.12511 (17010608)
 3602597.5 |     94.88122 (16021102)    146.28221 (17020408)    136.17908
(15011408)    143.05406 (17010308)    139.81702 (17010608)
 3602347.5 |     84.49802 (17012608)     92.89553 (17020408)    110.06847
(15120608)    114.62517 (17010308)     99.47710 (17010608)
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 3602097.5 |    107.41083 (17020408)     64.64456 (16120822)     92.36083
(15120608)     91.00054 (17010308)     73.63379 (15020520)
 3601847.5 |    100.79217 (17020408)     54.61509 (15021703)     79.37434
(15120608)     74.47973 (17010308)     64.34644 (17062106)
 3601597.5 |     75.81287 (17020408)     50.48887 (16012208)     68.35486
(15120608)     62.51410 (17010308)     60.06743 (17062106)
 3601347.5 |     51.06707 (17020408)     46.78380 (16012208)     60.53794
(15120608)     53.58276 (17010308)     53.55191 (17062106)
 3601097.5 |     39.25560 (17111908)     42.85624 (16012208)     54.47634
(15120608)     46.46591 (17010308)     46.46257 (17062106)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 696
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP9      ***
                                 INCLUDING SOURCE(S):     SP9         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.66622 (17032607)     17.12400 (16083007)     13.15993
(16111708)     15.66999 (17020109)      9.63621 (17020109)
 3605847.5 |     12.42029 (16010705)     84.16884 (15122821)     22.80376
(17091007)     13.33129 (17020109)     12.74858 (17121809)
 3605597.5 |     77.03797 (15021924)     62.35894 (15052306)     35.59531
(17020109)     24.39913 (17121809)     19.51607 (17121809)
 3605347.5 |    111.10314 (15122821)     89.32889 (15092321)     94.90931
(16072606)     24.64229 (17012509)     16.76700 (17121809)
 3605097.5 |     36.71858 (16083007)     19.34880 (17020109)     28.36858
(17012509)     53.71810 (17090523)     18.04291 (15110508)
 3604847.5 |     27.64900 (17020109)     26.49010 (17121809)     21.26341
(17121809)     16.16166 (17032908)     17.14808 (15112909)
 3604597.5 |     29.01418 (16092207)     24.74698 (17121809)     16.23117
(17100708)     19.64793 (17122309)     26.40712 (17122309)
 3604347.5 |     52.67345 (17012609)     47.09833 (17100708)     47.07803
(17032608)     68.49798 (16040707)     54.67654 (16040707)
 3604097.5 |    119.49486 (16091707)     87.81920 (16040707)     27.99340
(16040707)     25.99073 (17082707)     23.69904 (17082707)
 3603847.5 |    126.47581 (15061006)     81.26420 (15062407)     45.59891
(17030408)     32.85826 (17030408)     26.42122 (15062407)
 3603597.5 |     97.72881 (15022408)     50.70240 (16011417)     45.56188
(17062607)     37.74835 (17062607)     28.04033 (15061907)
 3603347.5 |    161.39952 (16111408)    109.73596 (16040807)    156.07786
(15022408)     55.32269 (17122709)     83.61429 (15091922)
 3603097.5 |     62.07586 (17122909)    313.62036 (17040307)    188.51834
(15031607)    169.03873 (16040807)    142.74981 (15022202)
 3602847.5 |    251.12239 (16010602)    149.42761 (15011201)    183.81080
(17040307)    152.45628 (15031607)    124.52408 (17011308)
 3602597.5 |    157.02682 (15121508)    154.85436 (17021408)    114.72175
(15011201)    153.59780 (17040307)     98.99713 (16122817)
 3602347.5 |    104.49301 (15121508)     97.50173 (16010602)    116.67155
(17021408)     83.91808 (15011201)    117.08786 (17040307)
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 3602097.5 |     71.23582 (17010608)     92.35836 (15121508)     89.10496
(17021408)     75.06535 (15021604)     99.56499 (15011201)
 3601847.5 |     73.49813 (17010608)     76.82215 (15121508)     63.61965
(16010602)     81.99910 (17021408)     64.79971 (17022803)
 3601597.5 |     63.60304 (17010608)     51.09876 (15121508)     63.26096
(15121508)     55.79874 (16010602)     69.06596 (17021408)
 3601347.5 |     50.27459 (17010608)     45.97550 (15022808)     54.70464
(15121508)     43.04272 (16010602)     54.50017 (17021408)
 3601097.5 |     41.16792 (15020520)     47.05838 (17010608)     41.85803
(15121508)     48.39927 (15121508)     43.56772 (16010602)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 697
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP9      ***
                                INCLUDING SOURCE(S):     SP9         ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.87878 (17121809)     16.42119 (17121809)     12.90136
(17121809)     10.86126 (17032908)
 3605847.5 |     17.83199 (17121809)     13.95759 (17121809)     11.94269
(17032908)     10.41001 (17032908)
 3605597.5 |     15.21958 (17121809)     13.07445 (17032908)     10.35078
(17032908)      8.59351 (17100708)
 3605347.5 |     14.31209 (17032908)      9.96107 (17032908)     10.49001
(17100708)     10.93554 (17100708)
 3605097.5 |     11.08159 (17100708)     12.51056 (17100708)     14.98042
(17122309)     18.40338 (17122309)
 3604847.5 |     20.82965 (16082307)     21.58754 (17122309)     28.10204
(16040707)     40.83338 (16040707)
 3604597.5 |     43.77564 (16040707)     52.04816 (16040707)     41.28911
(16040707)     25.27472 (16040707)
 3604347.5 |     28.18112 (16040707)     13.96437 (17082707)     15.69089
(17082707)     16.16622 (17082707)
 3604097.5 |     21.90761 (16090707)     20.93231 (16090707)     19.30531
(16090707)     17.35451 (16090707)
 3603847.5 |     23.88551 (15062407)     21.86077 (15062407)     20.20123
(15062407)     18.81150 (15062407)
 3603597.5 |     26.08817 (15061907)     19.26778 (15061907)     15.82488
(17042907)     13.99052 (17042907)
 3603347.5 |     44.81715 (17122709)     20.36226 (17082908)     13.34308
(17062607)     12.07656 (17062607)
 3603097.5 |     41.98874 (15022408)     20.44563 (17122709)     20.65464
(17122709)     18.68235 (17122709)
 3602847.5 |    136.40696 (16040807)     47.24639 (15022408)     42.10347
(15022408)     23.86089 (15022408)
 3602597.5 |     71.13690 (15011223)     47.70358 (16040807)     57.10545
(16040807)     38.86543 (15022408)
 3602347.5 |     81.96959 (16011523)     79.94172 (16010101)     40.74318
(16071324)     92.40699 (16040807)
 3602097.5 |    123.18869 (17040307)     62.75723 (17040307)     57.62054
(17010220)     58.42448 (15031607)
 3601847.5 |     83.42286 (17021919)     77.64171 (17040307)     54.55467
(17040307)     46.13803 (17010220)
 3601597.5 |     55.85718 (17022803)     46.42184 (17021919)     68.78202
(17040307)     47.80788 (17040307)
 3601347.5 |     53.61795 (17021408)     37.85486 (17022803)     38.98735
(17021919)     56.51417 (17040307)
 3601097.5 |     50.99392 (17021408)     40.32413 (17011302)     33.67323
(15011201)     36.34628 (17021919)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 698
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SP9      ***
                                INCLUDING SOURCE(S):     SP9         ,

                                        *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63     2034.35493  (15120108)
507708.67   3603932.32      320.32717  (16020508)
        506203.59   3603369.23       64.10617  (15011003)
507919.87   3604794.52      197.89785  (15021508)
        507037.89   3604916.08      122.50945  (15120308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 699
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC5      ***
                                INCLUDING SOURCE(S):     TC5         ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.47791 (16020408)     14.85200 (16011506)     18.03509
(16012908)     19.95008 (17020308)     21.02125 (17040507)
 3605847.5 |     16.12498 (15040607)     15.31104 (15010408)     16.15460
(16020408)     18.99099 (16011506)     23.45936 (16012908)
```

```
 3605597.5 |     17.05983 (15040607)     18.80093 (15040607)     19.91725
(15040607)     20.08715 (15010408)     21.56081 (16020408)
 3605347.5 |     15.63879 (15012821)     16.47266 (15040607)     18.63804
(15040607)     20.64157 (15040607)     23.71060 (15040607)
 3605097.5 |     16.20928 (15011519)     17.90739 (17012508)     19.67678
(17012508)     19.01611 (15011608)     20.69991 (15011608)
 3604847.5 |     22.52299 (15040307)     22.60267 (15040307)     20.68532
(15040307)     20.68145 (16122808)     23.98572 (17012508)
 3604597.5 |     19.48431 (17092707)     19.98942 (17092707)     21.87122
(15040307)     26.16994 (15040307)     30.30611 (15040307)
 3604347.5 |     19.85415 (16040507)     19.88455 (16040507)     19.87793
(16040507)     21.98901 (16011421)     25.24106 (15122708)
 3604097.5 |     17.25591 (17011708)     19.48697 (17011708)     20.92879
(17011708)     22.95624 (17011708)     25.52135 (17011708)
 3603847.5 |     18.91813 (17021608)     20.19250 (17021608)     22.14957
(17021608)     23.81693 (17122608)     27.43712 (17122608)
 3603597.5 |     17.31941 (17021608)     17.68000 (17021608)     18.74599
(15021102)     21.01605 (15021102)     22.95466 (15021102)
 3603347.5 |     15.38027 (17122908)     17.22864 (17122908)     19.28477
(17122908)     21.00678 (17122908)     22.81046 (17122908)
 3603097.5 |     15.04134 (17021402)     16.44028 (17011719)     17.79250
(17011719)     20.65636 (15012720)     22.01449 (16021602)
 3602847.5 |     14.81811 (16021602)     15.58455 (16012803)     17.86437
(16012803)     19.36927 (16011702)     21.31234 (17120906)
 3602597.5 |     14.52410 (17120906)     15.78129 (17120906)     18.17061
(15092907)     23.02284 (15092907)     26.51174 (15092907)
 3602347.5 |     19.00394 (15092907)     21.76043 (15092907)     22.67372
(15092907)     20.95591 (15092907)     20.81900 (17092807)
 3602097.5 |     19.08742 (15092907)     16.62778 (15092907)     19.36117
(17092807)     24.20134 (17092807)     25.77810 (17092807)
 3601847.5 |     18.05765 (17092807)     21.69984 (17092807)     22.37194
(17092807)     26.81560 (15092707)     31.46369 (15092707)
 3601597.5 |     20.17734 (17092807)     23.13885 (15092707)     27.29518
(15092707)     27.10906 (15092707)     21.54887 (15092707)
 3601347.5 |     24.36249 (15092707)     25.25487 (15092707)     21.95787
(15092707)     15.42864 (15092707)     11.25267 (17122105)
 3601097.5 |     21.75875 (15092707)     16.94666 (15092707)     10.81998
(15092707)     10.09563 (15022607)     10.90046 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 700
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     29.41504 (17040507)     26.01992 (17040507)     27.26763
(17020108)     26.78705 (16121408)     43.81125 (16120208)
 3605847.5 |     25.14041 (17020308)     30.97787 (17040507)     31.90962
(17040507)     31.42598 (17020108)     31.60467 (16121408)
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 3605597.5 |     25.33611 (16012908)     30.19878 (17020308)     31.23448
(17010508)     38.57481 (17040507)     37.16437 (17020108)
 3605347.5 |     25.22754 (15010408)     27.27332 (16020408)     35.03086
(16012908)     39.97383 (17020308)     42.76699 (17040507)
 3605097.5 |     24.33248 (15040607)     29.05035 (15040607)     32.97074
(15010408)     36.22230 (15011008)     47.43040 (16012908)
 3604847.5 |     24.54216 (17012508)     26.39213 (15011608)     31.18370
(17121424)     35.59047 (15012401)     44.30981 (15010408)
 3604597.5 |     27.76936 (15040307)     29.74705 (16122808)     30.27514
(16122808)     36.63659 (17012508)     43.10045 (15011608)
 3604347.5 |     28.82044 (17122422)     32.96742 (17122422)     35.74707
(16020401)     35.26507 (17013020)     44.26409 (16011108)
 3604097.5 |     28.59117 (17011708)     34.09597 (17011708)     38.22637
(16120722)     37.61236 (16120722)     41.74666 (16011421)
 3603847.5 |     31.74565 (17122608)     34.97564 (17122608)     36.98471
(17122608)     42.69841 (17122608)     48.07894 (17122608)
 3603597.5 |     26.37808 (15021102)     28.72710 (15021102)     31.85251
(16012807)     37.11297 (16012807)     47.63624 (17122908)
 3603347.5 |     25.27381 (16010308)     27.98971 (17021402)     32.02965
(17011719)     38.45118 (15012720)     45.53516 (16021602)
 3603097.5 |     23.58131 (16021602)     27.69640 (16012803)     30.86080
(16011702)     37.49248 (15011506)     44.32535 (16021406)
 3602847.5 |     23.44519 (15011506)     29.04622 (15092907)     33.41080
(15092907)     36.22238 (17122824)     43.87779 (17010708)
 3602597.5 |     26.98587 (15092907)     26.24241 (17010704)     32.37258
(17092807)     36.92392 (17092807)     52.12478 (15092707)
 3602347.5 |     28.22046 (17092807)     30.64405 (17092807)     40.39035
(15092707)     42.11857 (15092707)     28.17970 (15092707)
 3602097.5 |     32.29175 (15092707)     36.10727 (15092707)     30.54282
(15092707)     19.19644 (17122302)     20.91060 (15121422)
 3601847.5 |     28.99941 (15092707)     20.33819 (15092707)     15.96557
(15022607)     17.66899 (15121422)     18.96013 (16121224)
 3601597.5 |     13.16789 (15092707)     13.54192 (15022607)     14.97471
(17012504)     16.28022 (16020405)     17.03831 (17121505)
 3601347.5 |     12.00059 (15012201)     12.94594 (17012504)     13.97938
(16020405)     14.65618 (17121505)     15.63065 (16121724)
 3601097.5 |     11.64272 (17021905)     12.33060 (16020405)     13.06540
(17121505)     13.87911 (15120324)     14.51480 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 701
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     45.84532 (16120208)     36.32192 (16010908)     64.80572
(17021308)     68.56905 (15021508)     68.31204 (17021320)
 3605847.5 |     49.43852 (16120208)     49.29042 (16120208)     47.61607
(15122808)     83.90760 (15021508)     76.02619 (15121303)
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 3605597.5 |     37.93173 (16121408)     55.68744 (16120208)     51.26929
(15121708)     92.25137 (17013021)     86.74911 (15021508)
 3605347.5 |     47.44292 (17020108)     46.48972 (16121408)     61.34945
(16120208)     61.07643 (15121708)     67.80695 (15021508)
 3605097.5 |     50.31510 (17010508)     58.33141 (15121803)     68.07642
(16121408)     84.57530 (16120208)     84.13610 (16010908)
 3604847.5 |     51.37318 (15011008)     71.30310 (17020308)     79.89421
(15120308)    102.06311 (17020108)    135.35155 (16120208)
 3604597.5 |     52.04224 (17012703)     66.61973 (15121608)     86.87865
(16012908)    112.84924 (17010508)    159.68538 (17020108)
 3604347.5 |     52.23675 (16122808)     62.22190 (17012508)     78.56076
(15011608)    115.22454 (15121608)    175.22397 (16012908)
 3604097.5 |     50.99192 (16011421)     65.43525 (17020524)     85.38779
(16020401)    106.28313 (16011108)    151.40721 (17012508)
 3603847.5 |     53.29967 (17122608)     65.32559 (17122608)     80.62328
(17122608)    109.02192 (15010808)    157.48335 (15010808)
 3603597.5 |     56.19995 (17122908)     66.12509 (17122908)     82.26195
(16010308)     99.85098 (15012720)    137.20852 (16012803)
 3603347.5 |     53.88462 (16012803)     61.61461 (17120906)     79.02737
(16021406)    106.03077 (17122824)    123.82741 (17121308)
 3603097.5 |     52.24067 (17121720)     61.86063 (17010708)     72.99674
(17121308)     78.53313 (16021107)     68.35184 (15121422)
 3602847.5 |     51.75777 (17121308)     61.83169 (15092707)     43.03939
(17122302)     48.55675 (17012504)     52.99342 (15013101)
 3602597.5 |     44.08390 (15092707)     32.59025 (16011206)     37.89970
(17021905)     39.51355 (15013101)     44.22928 (16122704)
 3602347.5 |     25.45719 (15012201)     28.71398 (16121224)     31.13956
(15013101)     33.81343 (17022221)     36.59704 (17010503)
 3602097.5 |     22.51522 (16121224)     24.50122 (15013101)     26.39357
(17010801)     29.03603 (16120304)     33.62470 (16011119)
 3601847.5 |     20.03295 (17121505)     22.38440 (17010801)     23.36816
(17012722)     28.82562 (17040807)     29.40234 (17020408)
 3601597.5 |     18.44638 (17010801)     19.79750 (16122704)     21.11971
(17040807)     23.66566 (17022603)     40.75014 (17020408)
 3601347.5 |     16.79706 (16122704)     17.89102 (16120304)     24.51982
(17040807)     24.29175 (15041007)     45.02020 (17020408)
 3601097.5 |     15.57763 (17012722)     21.15603 (17040807)     18.63307
(17022603)     29.59437 (17020408)     42.86051 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 702
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     30.39448 (15082706)     48.01141 (17022408)     16.87379
(17022408)     11.99702 (16091507)     39.97081 (17032607)
 3605847.5 |     70.73683 (17021508)     82.95190 (16120908)     41.63847
(17022408)     28.54365 (16091507)     85.73468 (17032607)
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 3605597.5 |     89.56431 (17021508)     55.46030 (16121101)     55.43493
(17012203)     92.86934 (15010907)     84.70017 (17032607)
 3605347.5 |     63.59461 (17021508)     62.62646 (16021807)     64.33924
(17022408)     40.98583 (16091507)    100.26749 (17011124)
 3605097.5 |     96.91660 (15021508)    106.21652 (17070706)     39.87718
(17022408)     37.94027 (17032607)     24.12371 (17032607)
 3604847.5 |    154.74889 (15011121)    137.60068 (16020419)     54.02511
(15092607)     59.00021 (17032607)     14.93142 (15022208)
 3604597.5 |    257.52602 (16120708)    170.13114 (15021508)     76.47976
(15092607)    104.14628 (17032607)     37.63787 (16111708)
 3604347.5 |    246.91709 (17020108)    346.85937 (16120708)    176.79888
(15082706)    196.78286 (17032607)     57.00069 (15022723)
 3604097.5 |    253.48085 (15121608)    457.55707 (15021008)    738.44509
(15120107)    857.01745 (16120120)    289.20395 (17120708)
 3603847.5 |    265.56200 (17011708)    457.21059 (17011708)   1450.43134
(16020401)   2114.23140 (17020717)    212.97742 (16051406)
 3603597.5 |    228.17635 (16021406)    339.88030 (16122619)    487.79948
(17012722)    302.72542 (15012817)    125.59674 (16040807)
 3603347.5 |    114.92318 (17122302)    148.11689 (17010801)    251.76685
(15012307)    353.47249 (15020321)     93.27007 (17020419)
 3603097.5 |     83.05302 (15120324)    109.31259 (17022103)    136.87152
(17122619)    199.04433 (17122218)    174.64440 (16121008)
 3602847.5 |     63.45638 (16120304)     87.07162 (17020408)     87.40874
(16010118)    103.29857 (15021621)    100.19856 (17010624)
 3602597.5 |     54.75675 (16011119)     83.18758 (17020408)     65.62093
(16122020)     75.40129 (16022219)     72.90524 (17011319)
 3602347.5 |     46.97101 (17020408)     58.01352 (17020408)     49.89289
(16022802)     59.33967 (16022219)     56.72811 (17123106)
 3602097.5 |     58.72978 (17020408)     37.91896 (17020905)     39.60201
(16012923)     47.26984 (17122205)     46.12837 (16121418)
 3601847.5 |     55.72385 (17020408)     31.86726 (17122619)     32.90394
(17010402)     39.08688 (17122205)     38.23510 (17121306)
 3601597.5 |     44.49045 (17020408)     27.28667 (15022601)     27.83480
(17010402)     33.05029 (17122205)     33.21181 (15021622)
 3601347.5 |     32.45754 (17020408)     23.93255 (16010118)     24.24561
(17010402)     28.41544 (17121519)     30.27015 (16112308)
 3601097.5 |     23.04479 (17111908)     21.25654 (17122005)     21.71946
(17121803)     25.07293 (17121519)     28.33224 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 703
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.29839 (17032607)     12.38070 (16083007)     10.05712
(16111708)      7.63685 (17020109)      5.37048 (17020109)
 3605847.5 |     11.26094 (16010705)     60.10308 (15122821)     14.97786
(16083007)      7.02895 (17020109)      8.57235 (16092207)
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 3605597.5 |     56.97680 (15021924)     51.40641 (15052306)     25.59030
(16101307)     17.75919 (16092207)     10.47257 (17121809)
 3605347.5 |     78.31310 (15122821)     70.18554 (15092321)     69.07973
(16072606)     17.86691 (16092207)      9.83493 (17121809)
 3605097.5 |     25.84340 (16083007)     11.76884 (15022224)     22.48067
(16092207)     40.92276 (17090523)     12.91089 (15110508)
 3604847.5 |     14.15309 (16111708)     15.78995 (16092207)     12.89743
(17121809)     10.85505 (15022724)     13.54412 (15022818)
 3604597.5 |     22.97114 (16092207)     15.41802 (17121809)     11.30388
(15082707)     13.44068 (17032608)     19.71706 (17032608)
 3604347.5 |     32.00645 (15082707)     30.07039 (15022818)     38.32475
(17032608)     48.72330 (16040707)     42.69230 (16040707)
 3604097.5 |    121.14358 (16040707)     71.67082 (16040707)     30.47154
(16040707)     18.05846 (17082707)     16.65458 (17082707)
 3603847.5 |    107.45986 (15061006)     58.81765 (15062407)     34.34512
(17091507)     24.54753 (17030408)     19.38501 (17030408)
 3603597.5 |     72.63810 (15022408)     44.72731 (16011417)     37.64854
(15020117)     24.99266 (16012321)     23.19696 (15061907)
 3603347.5 |    121.96831 (16111408)     82.26766 (16040807)    116.86982
(15022408)     32.71900 (17122709)     62.73198 (15091922)
 3603097.5 |     55.66252 (16040518)    209.05645 (17040307)    119.32415
(17121101)    128.80595 (15121020)    123.68665 (15022202)
 3602847.5 |    208.25953 (15020908)     99.69037 (16010601)     87.69726
(17122124)    114.50723 (16121203)     77.58202 (16121121)
 3602597.5 |     71.97915 (16121008)     89.05191 (17021408)     75.28073
(16010601)     70.10982 (17122124)     68.93461 (16121203)
 3602347.5 |     53.79147 (16121220)     67.01612 (17120621)     65.95542
(17021408)     55.55983 (17011224)     50.27546 (16012022)
 3602097.5 |     45.63957 (15022808)     42.20145 (16121008)     57.66440
(15020908)     49.16243 (16121022)     81.65050 (15011201)
 3601847.5 |     37.97239 (16022321)     36.65372 (16121220)     42.79518
(17120621)     45.98745 (17021408)     40.73376 (16121022)
 3601597.5 |     32.62051 (15011921)     37.82114 (15022808)     28.77213
(17122806)     37.81703 (17120621)     38.18662 (17021408)
 3601347.5 |     28.62941 (17031208)     34.65339 (15022808)     24.85396
(16121220)     28.75866 (17120621)     34.37948 (15020908)
 3601097.5 |     26.54150 (17031208)     25.26123 (15022808)     27.09975
(15022808)     22.17479 (16092807)     28.97350 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 704
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.95484 (16092207)      8.73204 (17121809)      7.34920
(17121809)      5.91422 (17032908)
 3605847.5 |      9.52663 (17121809)      8.01452 (17121809)      6.51325
(17032908)      6.44497 (15082707)
```

```
 3605597.5 |      8.82417 (17121809)      7.19671 (17032908)      6.89834
(15082707)      4.98287 (15082707)
 3605347.5 |      7.96457 (17032908)      7.14724 (15082707)      4.36458
(15082707)      6.03807 (17122309)
 3605097.5 |      6.98847 (15082707)      6.19925 (17122309)      9.74317
(17122309)     11.51742 (17122309)
 3604847.5 |     13.28963 (16082307)     13.60740 (17122309)     20.93263
(16040707)     28.69450 (16040707)
 3604597.5 |     31.45848 (16040707)     37.14322 (16040707)     31.62218
(16040707)     21.79221 (16040707)
 3604347.5 |     25.95971 (16040707)     13.00017 (16040707)     10.82569
(17082707)     11.03166 (17082707)
 3604097.5 |     16.27949 (16090707)     15.60981 (16090707)     14.49125
(16090707)     13.20541 (16090707)
 3603847.5 |     17.45398 (15062407)     15.96060 (15062407)     14.72858
(15062407)     13.69215 (15062407)
 3603597.5 |     21.73333 (16052106)     15.53118 (15061907)     13.97578
(17042907)     12.07585 (17042907)
 3603347.5 |     27.53323 (15120117)     13.47699 (17082908)      7.39326
(17122709)      7.70439 (15061907)
 3603097.5 |     31.94149 (15022408)     14.85404 (15022408)     11.55522
(17122709)     10.39748 (17122709)
 3602847.5 |     95.20046 (16040807)     35.83457 (15022408)     31.11307
(15022408)     19.07979 (15022408)
 3602597.5 |     54.11889 (17062906)     36.28287 (16040807)     39.75657
(16040807)     29.55331 (15022408)
 3602347.5 |     56.10425 (16122817)     64.97461 (15031607)     31.05074
(16071324)     67.11582 (16040807)
 3602097.5 |     91.54833 (17040307)     40.71570 (15013018)     39.15360
(16121203)     34.73123 (17123017)
 3601847.5 |     69.68719 (17011224)     33.39885 (16121120)     31.12682
(16013009)     30.57814 (16121203)
 3601597.5 |     35.16777 (16010421)     31.15112 (17011224)     29.96180
(16121120)     27.06789 (16013009)
 3601347.5 |     29.99142 (17021408)     26.18890 (16010421)     25.82912
(17011224)     24.64331 (16121120)
 3601097.5 |     28.38989 (17021408)     25.68632 (16121022)     22.95771
(16010421)     23.57163 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 705
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC5      ***
                                  INCLUDING SOURCE(S):     TC5         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      687.92908  (15121608)
507708.67   3603932.32      179.42504  (16011421)
        506203.59   3603369.23       40.53259  (15012720)
507919.87   3604794.52      132.62921  (15123006)
        507037.89   3604916.08       72.96634  (15120308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 706
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.41308 (16020408)     14.19709 (15011008)     17.01219
(16012908)     19.53685 (16012908)     20.11723 (17020308)
 3605847.5 |     16.58412 (15040607)     15.63108 (15040607)     16.06895
(16020408)     17.85315 (15011008)     22.26697 (16012908)
 3605597.5 |     16.29600 (15040607)     18.49957 (15040607)     20.24658
(15040607)     19.83885 (15040607)     21.08707 (16020408)
 3605347.5 |     15.54022 (17012508)     15.80819 (15011608)     17.42774
(15040607)     20.00612 (15040607)     23.80739 (15040607)
 3605097.5 |     16.12837 (16122808)     16.90417 (17010407)     18.96344
(17012508)     19.07817 (17012508)     20.66370 (15011608)
 3604847.5 |     21.95447 (15040307)     22.81782 (15040307)     21.81840
(15040307)     20.46650 (16122808)     22.94896 (16122808)
 3604597.5 |     18.92128 (17092707)     19.88765 (17092707)     20.42597
(17092707)     23.98844 (15040307)     28.76813 (15040307)
 3604347.5 |     19.91755 (16040507)     20.27797 (16040507)     20.64921
(16040507)     21.16183 (16011421)     24.13345 (16011421)
 3604097.5 |     16.51319 (17011708)     18.62768 (17011708)     20.14344
(17011708)     22.21002 (17011708)     24.80467 (17011708)
 3603847.5 |     19.39924 (17021608)     20.70195 (17021608)     22.66363
(17021608)     23.77895 (17021608)     26.33036 (17122608)
 3603597.5 |     15.75702 (17021608)     16.07310 (15021102)     18.28986
(15021102)     20.33896 (15021102)     22.06569 (15021102)
 3603347.5 |     15.12082 (17122908)     16.77937 (17122908)     18.57855
(17122908)     20.04812 (17122908)     21.89006 (16010308)
 3603097.5 |     14.57487 (17011719)     15.93254 (17011719)     17.27330
(15012720)     19.73075 (15012720)     21.13033 (16021602)
 3602847.5 |     14.27095 (16021602)     15.23170 (16012803)     17.19451
(16012803)     18.65881 (16011702)     20.50464 (17120906)
 3602597.5 |     14.15147 (17120906)     15.24142 (15011506)     18.21782
(15092907)     22.76438 (15092907)     25.84274 (15092907)
 3602347.5 |     18.85223 (15092907)     21.35193 (15092907)     22.00929
(15092907)     20.13701 (15092907)     20.52392 (17092807)
 3602097.5 |     18.47983 (15092907)     15.97151 (15092907)     19.08347
(17092807)     23.66775 (17092807)     25.04514 (17092807)
 3601847.5 |     17.79831 (17092807)     21.25478 (17092807)     21.82290
(17092807)     26.15357 (15092707)     30.62512 (15092707)
 3601597.5 |     19.71636 (17092807)     22.61851 (15092707)     26.65778
(15092707)     26.52423 (15092707)     21.22190 (15092707)
 3601347.5 |     23.82270 (15092707)     24.72248 (15092707)     21.58403
(15092707)     15.29250 (15092707)     10.87976 (17122105)
 3601097.5 |     21.36140 (15092707)     16.73191 (15092707)     10.78016
(15092707)      9.78094 (17122105)     10.52005 (15121422)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 707
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.01656 (17040507)     28.34662 (17040507)     27.19850
(17020108)     26.69916 (16121408)     39.28516 (16120208)
 3605847.5 |     25.00157 (17020308)     27.78677 (17040507)     33.18892
(17040507)     30.65008 (17020108)     30.97723 (16121408)
 3605597.5 |     23.32705 (16011506)     29.13507 (16012908)     31.58084
(17020308)     37.66336 (17040507)     34.72339 (17020108)
 3605347.5 |     24.18929 (15121608)     26.68076 (16020408)     31.28141
(16011506)     38.27764 (17020308)     39.70597 (15021008)
 3605097.5 |     22.97066 (15040607)     28.61716 (15040607)     31.46710
(15121608)     35.10275 (16020408)     43.04590 (16012908)
 3604847.5 |     23.87225 (17012508)     26.27177 (17012508)     30.83912
(15011608)     34.08247 (17012703)     41.93275 (15121608)
 3604597.5 |     27.94024 (15040307)     28.39458 (16122808)     30.84936
(16122808)     34.94037 (17012508)     41.38166 (17012508)
 3604347.5 |     27.58205 (15122708)     31.34987 (17020524)     33.82530
(16020401)     34.32104 (15020702)     41.23116 (17013020)
 3604097.5 |     27.93931 (17011708)     33.52448 (17011708)     36.39966
(17011708)     36.41220 (16120722)     40.50655 (16120722)
 3603847.5 |     30.37510 (17122608)     33.39151 (17122608)     35.46103
(17122608)     40.80127 (17122608)     46.12456 (17122608)
 3603597.5 |     25.03052 (15021102)     27.46100 (16012807)     30.39139
(16012807)     35.53266 (17122908)     45.40119 (17122908)
 3603347.5 |     23.94052 (16010308)     26.77675 (17011719)     30.32802
(17011719)     36.03805 (15012720)     42.19329 (16021602)
 3603097.5 |     22.31292 (16021602)     26.34900 (16012803)     29.41284
(17120906)     35.38071 (15011506)     41.64358 (16021406)
 3602847.5 |     22.47587 (15011506)     28.58118 (15092907)     32.24619
(15092907)     34.11126 (17122824)     41.06098 (17010708)
 3602597.5 |     25.93129 (15092907)     25.01094 (17010704)     31.45388
(17092807)     35.42400 (17092807)     49.65825 (15092707)
 3602347.5 |     27.48091 (17092807)     29.59422 (17092807)     38.89995
(15092707)     40.63167 (15092707)     27.68788 (15092707)
 3602097.5 |     31.34404 (15092707)     35.02969 (15092707)     29.79780
(15092707)     18.39924 (17122302)     19.87739 (15121422)
 3601847.5 |     28.34185 (15092707)     20.07846 (15092707)     15.32888
(17122105)     16.96415 (15121422)     18.20887 (16121224)
 3601597.5 |     13.12613 (15092707)     13.07102 (15022607)     14.38862
(17012504)     15.57647 (16020405)     16.50561 (17121505)
 3601347.5 |     11.59607 (15012201)     12.52346 (17012504)     13.45324
(16020405)     14.22587 (17121505)     15.12187 (15120324)
 3601097.5 |     11.22980 (17021905)     11.91618 (16020405)     12.69303
(17121505)     13.45610 (15120324)     13.98950 (16021923)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 708
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     49.19819 (16120208)     35.97769 (15121708)     54.63879
(17021308)     72.52099 (15021508)     66.80114 (17010724)
 3605847.5 |     44.43214 (16120208)     54.77701 (16120208)     47.37170
(16010908)     76.43477 (15021508)     71.52484 (15121303)
 3605597.5 |     36.63346 (17020202)     50.33071 (16120208)     57.27001
(16120208)     66.57258 (15122808)     95.28881 (15021508)
 3605347.5 |     42.87304 (15121803)     46.99735 (17020108)     56.13688
(16120208)     61.75391 (15121708)     61.55187 (17021308)
 3605097.5 |     51.13484 (17020308)     55.56726 (15120308)     68.10438
(17020108)     77.49337 (16120208)     83.95564 (15121708)
 3604847.5 |     48.58096 (16020408)     66.01720 (16012908)     76.15913
(15021008)    101.77569 (17020108)    124.73398 (16120208)
 3604597.5 |     49.06958 (17121424)     60.93945 (15121608)     75.87453
(16020408)    112.89271 (17020308)    149.14799 (17020108)
 3604347.5 |     50.23921 (16122808)     57.37636 (16122808)     74.33029
(17012508)     98.98243 (15012401)    136.98116 (16020408)
 3604097.5 |     48.61688 (16011421)     61.18110 (16011421)     78.66897
(17020524)     95.23356 (15020702)    139.12590 (16122808)
 3603847.5 |     52.11906 (17122608)     63.48440 (17122608)     78.62348
(17122608)    104.00130 (17122608)    146.34879 (17122608)
 3603597.5 |     52.40506 (17122908)     60.36971 (16010308)     74.44806
(17011719)     90.99975 (16021602)    122.81978 (16011702)
 3603347.5 |     49.98451 (16012803)     56.99677 (17120906)     72.31637
(16021406)     94.90823 (17122824)    111.30964 (17121308)
 3603097.5 |     48.63977 (17121720)     57.24979 (17010708)     66.76033
(17121308)     72.25844 (16021107)     61.95641 (15121422)
 3602847.5 |     48.13066 (17121308)     58.86417 (15092707)     41.90192
(15092707)     44.95172 (17012504)     49.13598 (15013101)
 3602597.5 |     42.67746 (15092707)     30.72755 (16011206)     35.43637
(17021905)     36.78952 (17121505)     41.69469 (16122704)
 3602347.5 |     24.09699 (15022607)     27.13319 (17021905)     29.42656
(17121505)     31.81331 (16021923)     34.70727 (17011624)
 3602097.5 |     21.46046 (16121224)     23.53442 (17121505)     25.38930
(17010801)     27.56494 (16120304)     32.11889 (17022103)
 3601847.5 |     19.36985 (17121505)     21.29829 (17010801)     22.08923
(16011202)     27.06644 (17040807)     27.96634 (15021805)
 3601597.5 |     17.56467 (16121724)     19.02601 (16122704)     20.01968
(17011624)     22.92835 (16011119)     35.10668 (17020408)
 3601347.5 |     16.04179 (16022007)     17.20311 (16120304)     24.06178
(17040807)     22.81298 (15041007)     41.76092 (17020408)
 3601097.5 |     14.96292 (17012722)     19.27688 (17040807)     18.47677
(17040807)     25.21315 (17020408)     42.24956 (17020408)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 709
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                               *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     38.30603 (17070706)     41.17441 (15022002)     21.60148
(17022408)     13.48550 (16112208)     37.98716 (17032607)
 3605847.5 |     80.82665 (17021508)     99.31574 (16120908)     51.88250
(17022408)     35.17207 (15111919)     87.56302 (17032607)
 3605597.5 |     82.31118 (17021508)     55.58380 (16021807)     58.01932
(16120106)     65.18355 (15010907)     96.14016 (17020819)
 3605347.5 |     59.84171 (15021508)     64.43822 (17021508)     72.42265
(17022408)     34.35169 (16112208)    122.19819 (17120924)
 3605097.5 |     98.64792 (15021508)    139.91343 (16012808)     40.68354
(17022408)     27.80256 (16112208)     38.77569 (17032607)
 3604847.5 |    183.39307 (17021107)    168.90327 (15121303)     81.67380
(17022408)     38.37619 (16112208)     22.47564 (17032607)
 3604597.5 |    184.77350 (15120408)    169.06417 (15021508)     65.64431
(15013009)     74.64530 (17032607)     35.93159 (16111708)
 3604347.5 |    206.75711 (15021008)    294.33387 (15120408)    250.18454
(17102907)    220.52406 (17032607)     60.73821 (17022620)
 3604097.5 |    220.28887 (15011608)    387.51271 (16012908)    761.45582
(15121708)    977.63815 (15122908)    412.60804 (17120708)
 3603847.5 |    229.31818 (17122608)    385.43319 (17122608)   1065.78971
(17122608)   5070.27413 (15022806)    379.71062 (15061006)
 3603597.5 |    192.28134 (16021406)    286.12609 (16122619)    370.71636
(17010801)    408.33080 (16021308)    205.48384 (16013009)
 3603347.5 |    101.54643 (17122302)    131.17468 (15120324)    212.27214
(15022505)    308.24253 (15021621)    104.00857 (16022919)
 3603097.5 |     74.86237 (16020219)     96.11324 (17022103)    122.47673
(15012823)    183.58666 (16022219)    166.75767 (15011507)
 3602847.5 |     58.91697 (17012722)     74.75221 (16021904)     81.69770
(17122619)    100.24152 (17122205)     96.46404 (16022321)
 3602597.5 |     51.41984 (17022103)     79.68808 (17020408)     61.83256
(16010118)     73.15547 (17122205)     70.44490 (16122021)
 3602347.5 |     41.93789 (15021805)     64.16845 (17020408)     47.70448
(16122020)     57.17990 (17121519)     55.81320 (16121418)
 3602097.5 |     51.96827 (17020408)     42.83863 (17020408)     38.28731
(16122020)     45.81807 (15121123)     45.10850 (17121306)
 3601847.5 |     54.51495 (17020408)     30.68840 (17122619)     31.91482
(16022802)     38.11550 (15121123)     37.42300 (15021622)
 3601597.5 |     47.05245 (17020408)     26.50230 (17122619)     27.04893
(16012923)     32.45554 (15121123)     32.61685 (16112308)
 3601347.5 |     36.42651 (17020408)     22.95872 (15022601)     23.56614
(16012923)     28.06193 (15121123)     30.36473 (16112308)
 3601097.5 |     25.76120 (17020408)     20.64018 (16010118)     21.08150
(17010402)     24.69516 (15121123)     27.47627 (16112308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 710
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     19.05268 (17032607)     13.34029 (15121322)     10.33069
(16111708)      7.77467 (17020109)      5.79966 (17020109)
 3605847.5 |     12.47230 (15021124)     64.15820 (15122821)     16.34291
(16083007)      7.48504 (17020109)      8.43090 (16092207)
 3605597.5 |     68.48915 (15021924)     63.43845 (17060105)     34.82675
(15092321)     17.77731 (15022123)     10.48350 (17121809)
 3605347.5 |     96.09540 (15033023)     82.90970 (16120518)     84.82654
(17022521)     19.40171 (16092207)     10.33310 (17121809)
 3605097.5 |     25.94093 (16083007)     11.28120 (15022224)     24.01153
(16092207)     50.10410 (17090523)     12.96062 (15110508)
 3604847.5 |     18.73720 (16111708)     16.56252 (16092207)     13.80694
(17121809)     11.74989 (15022724)     14.81404 (15022818)
 3604597.5 |     22.44929 (16092207)     16.80874 (17121809)     11.89316
(15082707)     14.29421 (17032608)     20.88804 (17032608)
 3604347.5 |     37.35148 (17012305)     34.20909 (15022818)     41.64669
(17032608)     51.07388 (16040707)     42.32368 (16040707)
 3604097.5 |    138.62007 (16040707)     72.93102 (16040707)     26.86794
(16040707)     19.06391 (17082707)     17.62294 (16090707)
 3603847.5 |    161.14085 (15061006)     83.72342 (15021202)     35.47102
(17030408)     24.81547 (17030408)     21.02157 (15062407)
 3603597.5 |     97.39131 (15022408)     47.17411 (15122117)     37.86170
(17010520)     30.19821 (15020117)     21.75198 (15061907)
 3603347.5 |     97.64303 (16013009)     64.19345 (16040807)    140.88004
(16100807)     40.70375 (15022408)     79.75110 (17040401)
 3603097.5 |     54.00416 (17020419)    147.68374 (16121120)    123.20034
(17022804)    144.98418 (17011308)    139.72444 (16121122)
 3602847.5 |    142.49934 (17120621)     96.61537 (16121022)     81.96882
(16121120)     93.31203 (16122817)     74.18951 (17121101)
 3602597.5 |     69.76103 (16121220)     85.73647 (15020908)     70.78920
(16010421)     67.15977 (17122518)     67.27109 (15013018)
 3602347.5 |     53.27949 (17010624)     56.66604 (17120621)     68.71705
(17021408)     53.87414 (16010421)     50.84481 (17122518)
 3602097.5 |     43.42568 (15021419)     41.26775 (17010406)     53.64610
(17120621)     50.23637 (17021408)     84.66861 (15011201)
 3601847.5 |     37.05427 (15011921)     37.40068 (15022808)     35.32592
(16121008)     44.75128 (15020908)     40.91244 (16121022)
 3601597.5 |     31.70661 (16122021)     38.02295 (15022808)     28.51912
(17010406)     36.63018 (17120621)     38.24637 (17021408)
 3601347.5 |     28.16154 (17031208)     29.49032 (15022808)     25.14251
(16121220)     25.47107 (16121008)     32.47157 (15020908)
 3601097.5 |     24.42048 (16121418)     23.94992 (17011319)     30.19362
(15022808)     21.61847 (16092807)     26.74691 (17120621)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 711
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.01871 (16092207)      8.79535 (17121809)      7.62256
(17121809)      5.93249 (17032908)
 3605847.5 |      9.57239 (17121809)      8.33982 (17121809)      6.55834
(17032908)      6.52075 (15082707)
 3605597.5 |      9.22055 (17121809)      7.28265 (17032908)      7.03114
(15082707)      5.14462 (15082707)
 3605347.5 |      8.11324 (17032908)      7.35010 (15082707)      4.53462
(15082707)      6.11608 (17122309)
 3605097.5 |      7.26257 (15082707)      6.27497 (17122309)      9.92735
(17122309)     11.71364 (17122309)
 3604847.5 |     13.53972 (16082307)     13.88568 (17122309)     21.99160
(16040707)     29.61957 (16040707)
 3604597.5 |     33.11711 (16040707)     37.96689 (16040707)     31.31065
(16040707)     20.92985 (16040707)
 3604347.5 |     24.42251 (16040707)     11.70378 (16040707)     11.40747
(17082707)     11.41529 (17082707)
 3604097.5 |     17.21056 (16090707)     16.02929 (16090707)     14.55529
(16090707)     13.03888 (16090707)
 3603847.5 |     18.82092 (15062407)     17.08632 (15062407)     15.67807
(15062407)     14.50819 (15062407)
 3603597.5 |     21.06062 (15061907)     16.58435 (15061907)     13.39948
(17042907)     11.85728 (17042907)
 3603347.5 |     36.68937 (15091922)     13.61895 (17082908)      8.55324
(17122709)      6.61364 (15061907)
 3603097.5 |     38.64082 (15022408)     21.46787 (15022408)     11.53096
(17122709)     10.81196 (17122709)
 3602847.5 |    103.63522 (15121020)     38.74329 (16040807)     34.12820
(15022408)     24.14043 (15022408)
 3602597.5 |     66.31788 (16010101)     29.58264 (16040807)     40.24954
(16040807)     32.86757 (16040807)
 3602347.5 |     55.59716 (15013018)     69.42243 (17010220)     36.30845
(16071324)     58.94393 (16040807)
 3602097.5 |     91.21555 (17040307)     38.63989 (17122124)     38.98695
(16121203)     36.20910 (17022804)
 3601847.5 |     68.76005 (16010601)     33.90304 (17122518)     31.02025
(17122124)     29.98529 (16122817)
 3601597.5 |     35.23325 (16121022)     30.48361 (17011224)     30.17130
(17122518)     25.55297 (17122124)
 3601347.5 |     31.96891 (17021408)     24.78708 (16121022)     25.83619
(17011224)     24.84811 (17122518)
 3601097.5 |     28.04093 (15020908)     25.56598 (17021408)     22.05944
(16010421)     23.49066 (17011224)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 712
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC6      ***
                                 INCLUDING SOURCE(S):     TC6         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      540.34904  (17012508)
507708.67   3603932.32      161.12968  (17011708)
        506203.59   3603369.23       37.99721  (15012720)
507919.87   3604794.52      170.51148  (15122808)
        507037.89   3604916.08       70.20372  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 713
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC7      ***
                                 INCLUDING SOURCE(S):     TC7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.43741 (16020408)     14.23883 (15011008)     17.08736
(16012908)     19.56046 (16012908)     20.10234 (17020308)
 3605847.5 |     16.59439 (15040607)     15.62352 (15040607)     16.10401
(16020408)     17.92594 (15011008)     22.38641 (16012908)
 3605597.5 |     16.34204 (15040607)     18.53961 (15040607)     20.27794
(15040607)     19.84920 (15040607)     21.18151 (16020408)
 3605347.5 |     15.58820 (17012508)     15.85180 (15011608)     17.49084
(15040607)     20.05997 (15040607)     23.86298 (15040607)
 3605097.5 |     16.18525 (16122808)     16.97805 (17010407)     19.04670
(17012508)     19.11201 (17012508)     20.71145 (15011608)
 3604847.5 |     22.01720 (15040307)     22.87556 (15040307)     21.85802
(15040307)     20.53313 (16122808)     23.04570 (16122808)
 3604597.5 |     18.97177 (17092707)     19.94041 (17092707)     20.47973
(17092707)     24.08142 (15040307)     28.88855 (15040307)
 3604347.5 |     19.97215 (16040507)     20.33584 (16040507)     20.71271
(16040507)     21.25784 (16011421)     24.26136 (16011421)
 3604097.5 |     16.56534 (17011708)     18.70135 (17011708)     20.22266
(17011708)     22.30478 (17011708)     24.92564 (17011708)
 3603847.5 |     19.47301 (17021608)     20.78567 (17021608)     22.76583
(17021608)     23.88805 (17021608)     26.47855 (17122608)
 3603597.5 |     15.74255 (17021608)     16.14379 (15021102)     18.37872
(15021102)     20.43874 (15021102)     22.16649 (15021102)
 3603347.5 |     15.18150 (17122908)     16.84537 (17122908)     18.64949
(17122908)     20.11349 (17122908)     21.97929 (16010308)
 3603097.5 |     14.63288 (17011719)     15.98474 (17011719)     17.34283
(15012720)     19.80431 (15012720)     21.21017 (16021602)
 3602847.5 |     14.30109 (16021602)     15.30160 (16012803)     17.25692
(16012803)     18.72876 (16011702)     20.58013 (17120906)
 3602597.5 |     14.20588 (17120906)     15.30633 (15011506)     18.38760
(15092907)     22.91468 (15092907)     25.92478 (15092907)
 3602347.5 |     18.96502 (15092907)     21.42448 (15092907)     22.01446
(15092907)     20.06330 (15092907)     20.75751 (17092807)
 3602097.5 |     18.44714 (15092907)     15.88838 (15092907)     19.26191
(17092807)     23.78411 (17092807)     25.03446 (17092807)
 3601847.5 |     17.93849 (17092807)     21.34151 (17092807)     21.81165
(17092807)     26.35123 (15092707)     30.69861 (15092707)
 3601597.5 |     19.70781 (17092807)     22.79345 (15092707)     26.74788
(15092707)     26.47693 (15092707)     21.05219 (15092707)
 3601347.5 |     23.92285 (15092707)     24.72062 (15092707)     21.47397
(15092707)     15.12455 (15092707)     10.91652 (17122105)
 3601097.5 |     21.29818 (15092707)     16.60164 (15092707)     10.63724
(15092707)      9.79925 (15022607)     10.56517 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 714
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC7      ***
                                 INCLUDING SOURCE(S):     TC7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.16064 (17040507)     28.30618 (17040507)     27.28916
(17020108)     26.79251 (16121408)     39.66542 (16120208)
 3605847.5 |     25.09141 (17020308)     28.01766 (17040507)     33.23253
(17040507)     30.79070 (17020108)     31.13031 (16121408)
 3605597.5 |     23.49402 (16011506)     29.29126 (16012908)     31.66691
(17020308)     37.85157 (17040507)     34.97954 (17020108)
 3605347.5 |     24.29782 (15121608)     26.81770 (16020408)     31.52145
(16011506)     38.54797 (17020308)     40.02643 (15021008)
 3605097.5 |     23.06049 (15040607)     28.71758 (15040607)     31.65202
(15121608)     35.31221 (16020408)     43.46709 (16012908)
 3604847.5 |     23.94647 (17012508)     26.32351 (17012508)     30.97925
(15011608)     34.26130 (17012703)     42.24723 (15121608)
 3604597.5 |     28.01869 (15040307)     28.52771 (16122808)     30.92976
(16122808)     35.10138 (17012508)     41.57037 (17012508)
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 3604347.5 |     27.74161 (15122708)     31.54752 (17020524)     34.04471
(16020401)     34.44236 (15020702)     41.44743 (17013020)
 3604097.5 |     28.09740 (17011708)     33.75605 (17011708)     36.67243
(17011708)     36.59366 (16120722)     40.66858 (16120722)
 3603847.5 |     30.56260 (17122608)     33.60805 (17122608)     35.67235
(17122608)     41.06725 (17122608)     46.41275 (17122608)
 3603597.5 |     25.14968 (15021102)     27.61474 (16012807)     30.53853
(16012807)     35.80479 (17122908)     45.78918 (17122908)
 3603347.5 |     24.02163 (16010308)     26.93036 (17011719)     30.46483
(17011719)     36.23545 (15012720)     42.42658 (16021602)
 3603097.5 |     22.43366 (16012803)     26.47272 (16012803)     29.60317
(17120906)     35.60894 (15011506)     41.96540 (16021406)
 3602847.5 |     22.55059 (15011506)     28.79339 (15092907)     32.32666
(15092907)     34.30509 (17122824)     41.27798 (17010708)
 3602597.5 |     25.90134 (15092907)     25.14978 (17010708)     31.70594
(17092807)     35.69443 (15092707)     49.97855 (15092707)
 3602347.5 |     27.65507 (17092807)     29.58709 (17092807)     39.17878
(15092707)     40.56389 (15092707)     27.30763 (15092707)
 3602097.5 |     31.57637 (15092707)     35.05684 (15092707)     29.57435
(15092707)     18.44850 (17122302)     19.99628 (15121422)
 3601847.5 |     28.22512 (15092707)     19.83754 (15092707)     15.36334
(15022607)     17.01925 (15121422)     18.26397 (16121224)
 3601597.5 |     12.92530 (15092707)     13.10516 (15022607)     14.44834
(17012504)     15.65541 (16020405)     16.52815 (17121505)
 3601347.5 |     11.63353 (15012201)     12.55427 (17012504)     13.50667
(16020405)     14.24594 (17121505)     15.13697 (15120324)
 3601097.5 |     11.27549 (17021905)     11.95407 (16020405)     12.71253
(17121505)     13.48529 (15120324)     14.01497 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 715
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC7      ***
                                 INCLUDING SOURCE(S):     TC7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     49.13674 (16120208)     35.92332 (15121708)     55.85863
(17021308)     72.93735 (15021508)     67.36632 (17010724)
 3605847.5 |     44.87463 (16120208)     54.61854 (16120208)     47.64807
(16010908)     77.34866 (15021508)     72.67497 (15121303)
 3605597.5 |     36.73157 (17020202)     50.83966 (16120208)     56.91633
(16120208)     84.56035 (17011603)     95.13822 (15021508)
 3605347.5 |     43.18162 (15121803)     46.87688 (17020108)     56.69388
(16120208)     62.13408 (15121708)     62.54649 (17021308)
 3605097.5 |     51.37516 (17020308)     55.91178 (15120308)     68.42906
(17020108)     78.39807 (16120208)     84.05166 (15121708)
 3604847.5 |     48.92018 (16020408)     66.66907 (16012908)     76.95534
(15021008)    102.90796 (17020108)    126.85750 (16120208)
 3604597.5 |     49.43393 (17121424)     61.59437 (15121608)     76.56374
(16020408)    114.20087 (17020308)    151.74239 (17020108)
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 3604347.5 |     50.51765 (16122808)     57.71681 (17012508)     74.83985
(17012508)    100.22329 (15012401)    138.83395 (16011506)
 3604097.5 |     48.86752 (16011421)     61.65452 (16011421)     79.44885
(17020524)     96.08372 (15020702)    140.74165 (16122808)
 3603847.5 |     52.35923 (17122608)     63.84392 (17122608)     79.09845
(17122608)    104.91271 (17122608)    148.17070 (17122608)
 3603597.5 |     52.79958 (17122908)     60.83164 (16010308)     75.22518
(17011719)     91.93737 (16021602)    124.40559 (16011702)
 3603347.5 |     50.34307 (16012803)     57.39302 (17120906)     73.02083
(16021406)     95.76452 (17122824)    111.43017 (17121308)
 3603097.5 |     49.01460 (17121720)     57.77307 (17010708)     66.96836
(17121308)     72.16104 (16021107)     62.65175 (15121422)
 3602847.5 |     48.28672 (17121308)     59.03792 (15092707)     41.18099
(15092707)     45.29184 (17012504)     49.52438 (15013101)
 3602597.5 |     42.37429 (15092707)     30.87071 (16011206)     35.68008
(17021905)     37.00765 (15013101)     41.92546 (16122704)
 3602347.5 |     24.22555 (15012201)     27.22760 (17021905)     29.45595
(17121505)     31.92178 (17022221)     34.71535 (17011624)
 3602097.5 |     21.55851 (16121224)     23.56169 (17121505)     25.45008
(17010801)     27.71617 (16120304)     32.24204 (16011119)
 3601847.5 |     19.39367 (17121505)     21.41087 (17010801)     22.20305
(17012722)     27.36561 (17040807)     28.08519 (15021805)
 3601597.5 |     17.62016 (16121724)     19.09523 (16122704)     20.06223
(17011624)     22.99083 (16011119)     35.88779 (17020408)
 3601347.5 |     16.09026 (16022007)     17.27006 (16120304)     24.13101
(17040807)     23.02153 (15041007)     42.21397 (17020408)
 3601097.5 |     15.02700 (17012722)     19.58819 (17040807)     18.16914
(17040807)     25.81617 (17020408)     42.32963 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 716
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC7      ***
                                 INCLUDING SOURCE(S):     TC7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     37.25789 (17070706)     41.25914 (17022408)     21.15940
(17022408)     13.23824 (16112208)     38.44470 (17032607)
 3605847.5 |     80.39633 (17021508)     99.48636 (16120908)     51.01772
(17022408)     34.17512 (15111919)     87.89576 (17032607)
 3605597.5 |     83.52488 (17021508)     55.21445 (16021807)     58.10241
(16120106)     65.31717 (15010907)     94.63317 (17032607)
 3605347.5 |     58.81275 (15021508)     63.15321 (15022206)     72.17190
(17022408)     33.64178 (16091507)    120.87047 (17120924)
 3605097.5 |     99.36673 (15021508)    136.82423 (16012808)     41.05244
(17022408)     26.88012 (16112208)     36.82168 (17032607)
 3604847.5 |    180.77276 (17021107)    166.55152 (15121303)     84.20393
(17022408)     40.03886 (17032607)     20.44738 (17032607)
 3604597.5 |    185.56143 (15120408)    171.90328 (15021508)     66.36292
(15013009)     80.07956 (17032607)     36.97381 (16111708)
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 3604347.5 |    209.48102 (15021008)    299.57218 (15123008)    243.04946
(17102907)    236.21897 (17032607)     59.70720 (17022620)
 3604097.5 |    224.61646 (15011608)    399.95456 (16012908)    787.70575
(15121708)    938.33066 (16122307)    405.73982 (17120708)
 3603847.5 |    233.61154 (17122608)    393.23142 (17122608)   1109.80141
(17122608)   4962.31991 (15022806)    361.16915 (15061006)
 3603597.5 |    195.10774 (16021406)    289.39446 (17020106)    376.51312
(16122704)    393.00109 (16021308)    206.64127 (16013009)
 3603347.5 |    102.43465 (17122302)    132.22984 (15120324)    215.77161
(15022505)    310.44134 (15021621)    104.01333 (16022919)
 3603097.5 |     75.47876 (15120324)     97.77593 (17022103)    123.89147
(15012823)    184.59743 (16022219)    167.84923 (16121220)
 3602847.5 |     59.20214 (17012722)     75.12792 (16021904)     81.41628
(17122619)    100.16151 (17122205)     96.50968 (16022321)
 3602597.5 |     51.67971 (17022103)     80.28691 (17020408)     61.97729
(16010118)     73.41993 (17122205)     70.54794 (16122021)
 3602347.5 |     42.04464 (15021805)     63.35214 (17020408)     47.93124
(16122020)     57.18191 (17121519)     55.70795 (15020321)
 3602097.5 |     52.92103 (17020408)     41.74711 (17020408)     38.26068
(16022802)     45.85581 (17121519)     45.13368 (17121306)
 3601847.5 |     54.69836 (17020408)     30.83239 (17122619)     31.88854
(16022802)     37.99247 (15121123)     37.49348 (15021622)
 3601597.5 |     46.69423 (17020408)     26.45767 (16011319)     27.07678
(16012923)     32.39232 (15121123)     32.52911 (16112308)
 3601347.5 |     35.85638 (17020408)     23.01285 (15022601)     23.60671
(17010402)     28.03339 (15121123)     30.41430 (16112308)
 3601097.5 |     25.20021 (17020408)     20.70029 (16010118)     21.12641
(17010402)     24.69258 (15121123)     27.60874 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 717
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC7      ***
                                 INCLUDING SOURCE(S):     TC7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     18.26196 (17032607)     13.08672 (15121322)     10.32278
(16111708)      7.76937 (17020109)      5.72838 (17020109)
 3605847.5 |     12.28729 (15021124)     64.16478 (15122821)     16.15679
(16083007)      7.41783 (17020109)      8.49335 (16092207)
 3605597.5 |     67.67830 (15021924)     62.30318 (17060105)     32.90766
(15092321)     17.36767 (15022123)     10.51925 (17121809)
 3605347.5 |     93.60344 (15033023)     79.93645 (16120518)     83.23711
(17022521)     19.11956 (16092207)     10.23264 (17121809)
 3605097.5 |     26.07480 (16083007)     11.56093 (15022224)     23.78965
(16092207)     49.31988 (17090523)     13.03466 (15110508)
 3604847.5 |     18.08967 (16111708)     16.56820 (16092207)     13.62461
(17121809)     11.76916 (15022724)     14.90262 (15022818)
 3604597.5 |     22.98046 (16092207)     16.52805 (17121809)     11.73808
(15082707)     14.67683 (17032608)     20.90018 (17032608)
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 3604347.5 |     35.18945 (17012305)     33.84362 (15022818)     41.53921
(17032608)     51.25535 (16040707)     41.82954 (16040707)
 3604097.5 |    142.96934 (16040707)     71.39369 (16040707)     25.92751
(16040707)     19.04907 (17082707)     17.67564 (16090707)
 3603847.5 |    155.00716 (15061006)     82.23077 (15021202)     35.09330
(17030408)     24.60745 (17030408)     20.99731 (15062407)
 3603597.5 |     96.80371 (15022408)     46.46797 (15122117)     37.29288
(17010520)     30.00584 (15020117)     21.68864 (15061907)
 3603347.5 |     98.72669 (16013009)     65.13439 (16040807)    137.44706
(16100807)     40.23862 (15022408)     77.21219 (17040401)
 3603097.5 |     54.15944 (17020419)    209.18224 (17040307)    123.44172
(17022804)    142.98545 (17011308)    138.33384 (16121122)
 3602847.5 |    143.81483 (17120621)     95.88812 (16121022)     81.75558
(16121120)     92.80093 (16121203)     74.42175 (17121101)
 3602597.5 |     69.50308 (16121220)     85.66050 (15020908)     71.18365
(16010421)     67.21845 (16121120)     67.36481 (16122817)
 3602347.5 |     53.16966 (17010624)     57.60638 (17120621)     68.70502
(17021408)     53.83131 (16010421)     50.70719 (17122518)
 3602097.5 |     43.49462 (15021419)     41.35565 (17010406)     53.63988
(17120621)     49.84613 (17021408)     85.15112 (15011201)
 3601847.5 |     37.04459 (17011319)     36.85479 (15022808)     35.68924
(17120621)     44.68436 (15020908)     41.02344 (16121022)
 3601597.5 |     31.75117 (16122021)     38.16320 (15022808)     28.51347
(17010406)     36.78023 (17120621)     38.28883 (17021408)
 3601347.5 |     28.30036 (17031208)     30.02695 (15022808)     25.14391
(16121220)     25.53604 (16121008)     32.66408 (15020908)
 3601097.5 |     24.39055 (16121418)     23.93416 (17011319)     30.00200
(15022808)     21.71875 (16092807)     26.94914 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 718
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC7      ***
                                 INCLUDING SOURCE(S):     TC7         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.03001 (16092207)      8.80423 (17121809)      7.56643
(17121809)      5.94709 (17032908)
 3605847.5 |      9.59149 (17121809)      8.27344 (17121809)      6.56836
(17032908)      6.51773 (15082707)
 3605597.5 |      9.14016 (17121809)      7.28439 (17032908)      7.00762
(15082707)      5.08347 (15082707)
 3605347.5 |      8.10029 (17032908)      7.29669 (15082707)      4.45920
(15082707)      6.20090 (17122309)
 3605097.5 |      7.16982 (15082707)      6.38740 (17122309)     10.01303
(17122309)     11.73449 (17122309)
 3604847.5 |     13.58593 (16082307)     13.90628 (17122309)     22.31037
(16040707)     29.75928 (16040707)
 3604597.5 |     33.49018 (16040707)     37.93083 (16040707)     31.02843
(16040707)     20.62704 (16040707)
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 3604347.5 |     23.93058 (16040707)     11.41223 (16040707)     11.43396
(17082707)     11.41897 (17082707)
 3604097.5 |     17.21106 (16090707)     16.00063 (16090707)     14.51225
(16090707)     12.99019 (16090707)
 3603847.5 |     18.80370 (15062407)     17.07371 (15062407)     15.66864
(15062407)     14.50102 (15062407)
 3603597.5 |     21.00651 (15061907)     16.51518 (15061907)     13.34138
(17042907)     11.81147 (17042907)
 3603347.5 |     35.51985 (15091922)     13.59702 (17082908)      8.52539
(17122709)      6.59588 (15061907)
 3603097.5 |     38.41156 (15022408)     21.23983 (15022408)     11.51833
(17122709)     10.79189 (17122709)
 3602847.5 |    102.64593 (15121020)     38.44871 (16040807)     34.02463
(15022408)     23.96616 (15022408)
 3602597.5 |     64.55296 (16010101)     29.85944 (16040807)     40.24124
(16040807)     32.65463 (16040807)
 3602347.5 |     55.68959 (15013018)     68.35051 (17010220)     35.86937
(16071324)     59.27227 (16040807)
 3602097.5 |     91.66053 (17040307)     38.63537 (17122124)     39.09376
(16121203)     36.16519 (17022804)
 3601847.5 |     69.20215 (16010601)     33.84693 (17122518)     31.04844
(17122124)     30.03895 (16122817)
 3601597.5 |     35.19186 (16121022)     30.57187 (17011224)     30.15153
(17122518)     25.58955 (17122124)
 3601347.5 |     31.85791 (17021408)     24.58582 (16121022)     25.86086
(17011224)     24.82330 (17122518)
 3601097.5 |     27.96563 (15020908)     25.39502 (17021408)     22.13367
(16010421)     23.52440 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 719
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TC7      ***
                                 INCLUDING SOURCE(S):     TC7         ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      556.40231  (17012508)
507708.67   3603932.32      163.55392  (17011708)
        506203.59   3603369.23       38.22097  (15012720)
507919.87   3604794.52      167.32763  (15122808)
        507037.89   3604916.08       70.82914  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 720
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP10     ***
                                 INCLUDING SOURCE(S):     TP10        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.40922 (16020408)     14.20135 (15011008)     17.02781
(16012908)     19.51941 (16012908)     20.08522 (17020308)
 3605847.5 |     16.55881 (15040607)     15.59156 (15040607)     16.06178
(16020408)     17.84572 (15011008)     22.26365 (16012908)
 3605597.5 |     16.30582 (15040607)     18.49238 (15040607)     20.21431
(15040607)     19.78181 (15040607)     21.05830 (16020408)
 3605347.5 |     15.51131 (17012508)     15.80401 (15011608)     17.44771
(15040607)     20.00761 (15040607)     23.77229 (15040607)
 3605097.5 |     16.09500 (16122808)     16.89098 (17010407)     18.94889
(17012508)     19.05101 (17012508)     20.65388 (15011608)
 3604847.5 |     21.94598 (15040307)     22.77709 (15040307)     21.74623
(15040307)     20.44354 (16122808)     22.87763 (16122808)
 3604597.5 |     18.91853 (17092707)     19.86312 (17092707)     20.37455
(17092707)     24.03486 (15040307)     28.77055 (15040307)
 3604347.5 |     19.88220 (16040507)     20.22579 (16040507)     20.57595
(16040507)     21.14261 (16011421)     24.08413 (16011421)
 3604097.5 |     16.51586 (17011708)     18.62109 (17011708)     20.13151
(17011708)     22.18737 (17011708)     24.76448 (17011708)
 3603847.5 |     19.33120 (17021608)     20.62640 (17021608)     22.57574
(17021608)     23.68453 (17021608)     26.28670 (17122608)
 3603597.5 |     15.83548 (17021608)     16.03942 (15021102)     18.25384
(15021102)     20.30588 (15021102)     22.04220 (15021102)
 3603347.5 |     15.09440 (17122908)     16.75770 (17122908)     18.56460
(17122908)     20.04912 (17122908)     21.87390 (16010308)
 3603097.5 |     14.55181 (17011719)     15.92186 (17011719)     17.25005
(15012720)     19.72295 (15012720)     21.11782 (16021602)
 3602847.5 |     14.27548 (16021602)     15.20242 (16012803)     17.18267
(16012803)     18.64423 (16011702)     20.49099 (17120906)
 3602597.5 |     14.13270 (17120906)     15.21752 (15011506)     18.10590
(15092907)     22.67658 (15092907)     25.81402 (15092907)
 3602347.5 |     18.78481 (15092907)     21.32002 (15092907)     22.03009
(15092907)     20.21395 (15092907)     20.38695 (17092807)
 3602097.5 |     18.52290 (15092907)     16.04857 (15092907)     18.98066
(17092807)     23.61259 (17092807)     25.07583 (17092807)
 3601847.5 |     17.71897 (17092807)     21.21530 (17092807)     21.84817
(17092807)     26.05378 (15092707)     30.60663 (15092707)
 3601597.5 |     19.73705 (17092807)     22.52806 (15092707)     26.62312
(15092707)     26.57150 (15092707)     21.33506 (15092707)
 3601347.5 |     23.77874 (15092707)     24.74051 (15092707)     21.66266
(15092707)     15.39843 (15092707)     10.87106 (17122105)
 3601097.5 |     21.41237 (15092707)     16.81758 (15092707)     10.86771
(15092707)      9.78330 (17122105)     10.50678 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 721
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP10     ***
```

```
                                    INCLUDING SOURCE(S):     TP10        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.01051 (17040507)     28.27779 (17040507)     27.17635
(17020108)     26.68975 (16121408)     39.29079 (16120208)
 3605847.5 |     24.97083 (17020308)     27.80790 (17040507)     33.12847
(17040507)     30.64702 (17020108)     30.97176 (16121408)
 3605597.5 |     23.32610 (16011506)     29.09982 (16012908)     31.49322
(17020308)     37.62593 (17040507)     34.73887 (17020108)
 3605347.5 |     24.14853 (15121608)     26.63636 (16020408)     31.25607
(16011506)     38.22438 (17020308)     39.65009 (15021008)
 3605097.5 |     22.98401 (15040607)     28.58061 (15040607)     31.41332
(15121608)     35.03002 (16020408)     43.03582 (16012908)
 3604847.5 |     23.87715 (17012508)     26.22936 (17012508)     30.77420
(15011608)     34.01067 (17012703)     41.87055 (15121608)
 3604597.5 |     27.89733 (15040307)     28.38935 (16122808)     30.80495
(16122808)     34.95628 (17012508)     41.26335 (17012508)
 3604347.5 |     27.53761 (15122708)     31.30822 (17122422)     33.78728
(16020401)     34.32474 (15020702)     41.23060 (16011108)
 3604097.5 |     27.87307 (17011708)     33.41054 (17011708)     36.24170
(17011708)     36.37517 (16120722)     40.43547 (16120722)
 3603847.5 |     30.31975 (17122608)     33.32800 (17122608)     35.40243
(17122608)     40.72767 (17122608)     46.05023 (17122608)
 3603597.5 |     25.01518 (15021102)     27.41097 (16012807)     30.36765
(16012807)     35.39788 (17122908)     45.25713 (17122908)
 3603347.5 |     23.94793 (16010308)     26.72130 (17011719)     30.31596
(17011719)     36.01561 (15012720)     42.18653 (16021602)
 3603097.5 |     22.34155 (16021602)     26.32670 (16012803)     29.34446
(17120906)     35.32231 (15011506)     41.54928 (16021406)
 3602847.5 |     22.46965 (15011506)     28.46085 (15092907)     32.23605
(15092907)     34.07211 (17122824)     41.03503 (17010708)
 3602597.5 |     25.98833 (15092907)     24.97734 (17010704)     31.32583
(17092807)     35.47584 (17092807)     49.53622 (15092707)
 3602347.5 |     27.39595 (17092807)     29.63240 (17092807)     38.77535
(15092707)     40.71736 (15092707)     27.93262 (15092707)
 3602097.5 |     31.23180 (15092707)     35.04644 (15092707)     29.95561
(15092707)     18.39851 (17122302)     19.84382 (15121422)
 3601847.5 |     28.43320 (15092707)     20.23214 (15092707)     15.32974
(17122105)     16.95659 (15121422)     18.20320 (16121224)
 3601597.5 |     13.24873 (15092707)     13.06757 (15022607)     14.37414
(17012504)     15.55515 (16020405)     16.51138 (17121505)
 3601347.5 |     11.58814 (15012201)     12.52020 (17012504)     13.44052
(16020405)     14.22934 (17121505)     15.12808 (15120324)
 3601097.5 |     11.21745 (17021905)     11.90855 (16020405)     12.69465
(17121505)     13.45408 (15120324)     13.98931 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 722
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP10     ***
```

```
                                    INCLUDING SOURCE(S):     TP10        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     49.11776 (16120208)     35.92583 (15121708)     54.49476
(17021308)     72.24728 (15021508)     66.53737 (17010724)
 3605847.5 |     44.43455 (16120208)     54.66010 (16120208)     47.25397
(16010908)     76.33380 (15021508)     71.40034 (15121303)
 3605597.5 |     36.60593 (17020202)     50.32959 (16120208)     57.12778
(16120208)     66.53483 (15122808)     95.19272 (15021508)
 3605347.5 |     42.80176 (15121803)     46.90009 (17020108)     56.13476
(16120208)     61.70593 (15121708)     61.46180 (17021308)
 3605097.5 |     50.97836 (17020308)     55.39816 (15120308)     67.86557
(17020108)     77.42426 (16120208)     83.73993 (15121708)
 3604847.5 |     48.45333 (16020408)     65.87940 (16012908)     75.94890
(15021008)    101.41851 (17020108)    124.32152 (16120208)
 3604597.5 |     48.94557 (17121424)     60.86903 (15121608)     75.58738
(16020408)    112.44061 (17020308)    148.95316 (17020108)
 3604347.5 |     50.22436 (16122808)     57.40337 (17012508)     74.01502
(17012508)     98.66682 (15012401)    136.17946 (16020408)
 3604097.5 |     48.62327 (16011421)     60.99882 (16011421)     78.47533
(17020524)     95.05700 (15020702)    138.77130 (16122808)
 3603847.5 |     52.07700 (17122608)     63.41533 (17122608)     78.54418
(17122608)    103.80779 (17122608)    145.91776 (17122608)
 3603597.5 |     52.32660 (17122908)     60.29120 (16010308)     74.21426
(17011719)     90.74408 (16021602)    122.39409 (16011702)
 3603347.5 |     49.92203 (16012803)     56.94015 (17120906)     72.14602
(16021406)     94.81782 (17122824)    111.74741 (17121308)
 3603097.5 |     48.54827 (17121720)     57.10199 (17010708)     66.86854
(17121308)     72.55561 (16021107)     61.77573 (15121422)
 3602847.5 |     48.17464 (17121308)     58.84675 (15092707)     42.36809
(15092707)     44.88017 (17012504)     49.06157 (15013101)
 3602597.5 |     42.90345 (15092707)     30.71017 (16011206)     35.38135
(17021905)     36.84731 (17121505)     41.66673 (16122704)
 3602347.5 |     24.09528 (15022607)     27.12798 (17021905)     29.45426
(17121505)     31.81703 (16021923)     34.74759 (17011624)
 3602097.5 |     21.44067 (16121224)     23.55053 (17121505)     25.39267
(17010801)     27.57038 (17012722)     32.15161 (17022103)
 3601847.5 |     19.37977 (17121505)     21.27287 (17010801)     22.08409
(16011202)     26.96705 (17040807)     27.95420 (15021805)
 3601597.5 |     17.55704 (16121724)     19.01506 (16122704)     20.02048
(17011624)     22.92645 (16011119)     34.88118 (17020408)
 3601347.5 |     16.03487 (16022007)     17.19083 (16120304)     24.04212
(17040807)     22.75194 (15041007)     41.63695 (17020408)
 3601097.5 |     14.94881 (17012722)     19.17019 (17040807)     18.58636
(17040807)     25.03587 (17020408)     42.23487 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 723
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP10     ***
```

```
                                   INCLUDING SOURCE(S):     TP10        ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     38.68743 (17070706)     41.50498 (15022002)     21.66056
(17022408)     13.52437 (16112208)     37.85457 (17032607)
 3605847.5 |     80.80452 (17021508)     98.89075 (16120908)     51.98546
(17022408)     35.53735 (15111919)     87.41415 (17032607)
 3605597.5 |     82.16328 (17021508)     55.52948 (16021807)     57.89995
(16120106)     65.09309 (15010907)     96.86482 (17020819)
 3605347.5 |     59.76010 (15021508)     64.44151 (17021508)     72.39158
(17022408)     34.50510 (16112208)    122.67295 (17120924)
 3605097.5 |     98.35597 (15021508)    141.24416 (16012808)     40.58442
(17022408)     27.93361 (16112208)     39.23624 (17032607)
 3604847.5 |    184.20300 (17021107)    169.69882 (15121303)     81.21921
(17022408)     38.61797 (16112208)     23.00340 (17032607)
 3604597.5 |    184.46103 (15120408)    168.74848 (15021508)     65.43279
(15013009)     73.26855 (17032607)     35.48368 (16111708)
 3604347.5 |    205.40761 (15021008)    292.07826 (15120408)    252.62424
(17102907)    215.94323 (17032607)     60.77918 (17022620)
 3604097.5 |    219.13230 (15011608)    386.52911 (16012908)    753.18660
(15121708)    978.73980 (15122908)    410.28098 (17120708)
 3603847.5 |    228.21709 (17122608)    383.99085 (17122608)   1056.22618
(17122608)   5086.63614 (15011320)    386.00214 (15061006)
 3603597.5 |    191.94555 (16021406)    288.00467 (17121308)    372.73655
(17010801)    414.30078 (16021308)    204.16712 (16013009)
 3603347.5 |    103.17895 (16021107)    131.21976 (15120324)    212.37974
(16012324)    308.62643 (15021621)    105.25912 (16022919)
 3603097.5 |     74.82029 (16020219)     95.78148 (17022103)    122.37246
(15012823)    183.71570 (16022219)    167.05752 (15011507)
 3602847.5 |     58.91838 (17012722)     74.76945 (16021904)     81.92538
(17122619)    100.50047 (17122205)     96.64646 (16022321)
 3602597.5 |     51.40862 (17022103)     79.54752 (17020408)     61.88527
(16010118)     73.25386 (17122205)     70.56830 (17123106)
 3602347.5 |     41.95745 (15021805)     64.42458 (17020408)     47.73716
(17122005)     57.26441 (17121519)     55.92663 (16121418)
 3602097.5 |     51.70200 (17020408)     43.15671 (17020408)     38.34874
(16122020)     45.92103 (15121123)     45.16514 (17121306)
 3601847.5 |     54.47703 (17020408)     30.68117 (17122619)     31.95051
(16022802)     38.18430 (15121123)     37.45693 (15021622)
 3601597.5 |     47.16661 (17020408)     26.53787 (17122619)     27.06534
(16012923)     32.50071 (15121123)     32.63397 (16112308)
 3601347.5 |     36.59468 (17020408)     22.96076 (15022601)     23.58743
(16012923)     28.09244 (15121123)     30.35914 (16112308)
 3601097.5 |     25.92194 (17020408)     20.63715 (16010118)     21.08256
(17010402)     24.71402 (15121123)     27.45702 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 724
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP10     ***
```

```
                                   INCLUDING SOURCE(S):     TP10        ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     19.24750 (17032607)     13.41304 (15121322)     10.32658
(16111708)      7.77218 (17020109)      5.82311 (17020109)
 3605847.5 |     12.56102 (17032607)     64.69565 (15033023)     16.39453
(16083007)      7.50498 (17020109)      8.39983 (16092207)
 3605597.5 |     68.74180 (15021924)     63.76880 (17060105)     35.49794
(15092321)     17.92348 (15022123)     10.46088 (17121809)
 3605347.5 |     96.86386 (15033023)     83.86626 (16120518)     85.31477
(17022521)     19.50174 (16092207)     10.37064 (17121809)
 3605097.5 |     25.86988 (16083007)     11.18456 (17020109)     24.07479
(16092207)     50.30375 (17090523)     12.91096 (15110508)
 3604847.5 |     18.91227 (16111708)     16.52407 (16092207)     13.87408
(17121809)     11.70346 (15022724)     14.72064 (15022818)
 3604597.5 |     22.16336 (16092207)     16.91150 (17121809)     11.95734
(15082707)     14.02352 (17032608)     20.82581 (17032608)
 3604347.5 |     38.21396 (17012305)     34.25593 (15022818)     41.56771
(17032608)     50.83329 (16040707)     42.64585 (16040707)
 3604097.5 |    134.95052 (16040707)     73.82927 (16040707)     27.63922
(16040707)     19.02656 (17082707)     17.51527 (16090707)
 3603847.5 |    163.75185 (15061006)     84.06887 (15021202)     35.70564
(17030408)     24.95869 (17030408)     20.96726 (15062407)
 3603597.5 |     97.60098 (15022408)     47.60970 (17122117)     38.17271
(17010520)     30.19666 (15020117)     21.89045 (15061907)
 3603347.5 |     98.63238 (16013009)     64.86220 (16040807)    142.32419
(16100807)     40.37792 (15022408)     80.90438 (17040401)
 3603097.5 |     54.38604 (17020419)    148.11001 (16121120)    123.35581
(17022804)    145.14188 (17011308)    140.13217 (16121122)
 3602847.5 |    143.03258 (17120621)     96.76669 (16121022)     81.97371
(16121120)     93.47276 (16122817)     74.28601 (17121101)
 3602597.5 |     69.82153 (16121220)     85.93337 (15020908)     70.88006
(16010421)     67.06525 (16121120)     67.24547 (15013018)
 3602347.5 |     53.35828 (17010624)     56.74617 (17120621)     68.77600
(17021408)     53.92813 (16010421)     50.78507 (17122518)
 3602097.5 |     43.47715 (15021419)     41.29041 (17010406)     53.68860
(17120621)     50.25377 (17021408)     84.66761 (15011201)
 3601847.5 |     37.09691 (15011921)     37.43881 (15022808)     35.33743
(16121008)     44.79951 (15020908)     40.90793 (16121022)
 3601597.5 |     31.72487 (16122021)     38.01065 (15022808)     28.53564
(17010406)     36.66454 (17120621)     38.28120 (17021408)
 3601347.5 |     28.14490 (17031208)     29.44144 (15022808)     25.16336
(16121220)     25.47772 (16121008)     32.49100 (15020908)
 3601097.5 |     24.43787 (16121418)     23.96225 (17011319)     30.20788
(15022808)     21.61293 (16092807)     26.75979 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 725
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP10     ***
```

```
                                  INCLUDING SOURCE(S):     TP10        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |      510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.00905 (16092207)      8.78676 (17121809)      7.64395
(17121809)      5.92240 (17032908)
 3605847.5 |      9.55833 (17121809)      8.36497 (17121809)      6.54971
(17032908)      6.51851 (15082707)
 3605597.5 |      9.25081 (17121809)      7.27705 (17032908)      7.03869
(15082707)      5.17447 (15082707)
 3605347.5 |      8.11350 (17032908)      7.37265 (15082707)      4.57308
(15082707)      6.05998 (17122309)
 3605097.5 |      7.30605 (15082707)      6.20211 (17122309)      9.86490
(17122309)     11.69036 (17122309)
 3604847.5 |     13.49750 (16082307)     13.85797 (17122309)     21.74224
(16040707)     29.48575 (16040707)
 3604597.5 |     32.80124 (16040707)     37.94497 (16040707)     31.49951
(16040707)     21.15973 (16040707)
 3604347.5 |     24.80434 (16040707)     11.94847 (16040707)     11.36327
(17082707)     11.39514 (17082707)
 3604097.5 |     17.16900 (16090707)     16.03078 (16090707)     14.58240
(16090707)     13.07994 (16090707)
 3603847.5 |     18.77558 (15062407)     17.04752 (15062407)     15.64425
(15062407)     14.47826 (15062407)
 3603597.5 |     21.11617 (15061907)     16.59751 (15061907)     13.48814
(17042907)     11.91450 (17042907)
 3603347.5 |     37.03059 (15091922)     13.63351 (17082908)      8.51524
(17122709)      6.68030 (15061907)
 3603097.5 |     38.52512 (15022408)     21.27435 (15022408)     11.54669
(17122709)     10.80950 (17122709)
 3602847.5 |    104.63803 (15121020)     38.61164 (16040807)     34.10125
(15022408)     24.01353 (15022408)
 3602597.5 |     66.90915 (15031607)     29.75985 (16040807)     40.29928
(16040807)     32.77114 (16040807)
 3602347.5 |     55.68359 (15013018)     69.59425 (17010220)     36.47397
(16071324)     59.18867 (16040807)
 3602097.5 |     91.44768 (17040307)     38.59998 (17122124)     38.97528
(16121203)     36.18342 (17022804)
 3601847.5 |     68.62051 (16010601)     33.87528 (17122518)     31.01571
(17122124)     29.97582 (16122817)
 3601597.5 |     35.20660 (16121022)     30.50249 (17011224)     30.14192
(17122518)     25.56769 (17122124)
 3601347.5 |     31.98324 (17021408)     24.79811 (16121022)     25.85420
(17011224)     24.83159 (17122518)
 3601097.5 |     28.07023 (15020908)     25.56768 (17021408)     22.08879
(16010421)     23.49049 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 726
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP10     ***
                                  INCLUDING SOURCE(S):     TP10        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      536.59496  (17012508)
507708.67   3603932.32      159.83409  (17011708)
        506203.59   3603369.23       37.96363  (15012720)
507919.87   3604794.52      171.92045  (15122808)
        507037.89   3604916.08       69.99211  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 727
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP11     ***
                                  INCLUDING SOURCE(S):     TP11        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |      504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.44599 (16020408)     14.16488 (15011008)     16.89320
(16012908)     19.67982 (16012908)     20.38606 (17020308)
 3605847.5 |     16.76053 (15040607)     15.92044 (15040607)     16.12496
(16020408)     17.88832 (15011008)     22.26113 (16012908)
 3605597.5 |     16.19733 (15040607)     18.52680 (15040607)     20.45891
(15040607)     20.24214 (15040607)     21.26375 (16020408)
 3605347.5 |     15.73473 (17012508)     15.82738 (15011608)     17.24468
(15040607)     19.96202 (15040607)     24.02389 (15040607)
 3605097.5 |     16.35061 (16122808)     16.97782 (15011519)     19.03238
(17012508)     19.28527 (17012508)     20.73562 (15011608)
 3604847.5 |     21.95362 (15040307)     23.06215 (15040307)     22.31569
(15040307)     20.61664 (16122808)     23.43882 (16122808)
 3604597.5 |     18.88611 (17092707)     20.01501 (17092707)     20.75727
(17092707)     23.54523 (15040307)     28.62356 (15040307)
 3604347.5 |     20.12777 (16040507)     20.61579 (16040507)     21.14630
(16040507)     21.50773 (16040507)     24.42672 (16011421)
 3604097.5 |     16.46089 (17011708)     18.62964 (17011708)     20.18629
(17011708)     22.32700 (17011708)     25.04014 (17011708)
 3603847.5 |     19.85381 (17021608)     21.20341 (17021608)     23.24108
(17021608)     24.39707 (17021608)     26.63733 (17021608)
 3603597.5 |     15.12363 (17021608)     16.28716 (15021102)     18.50386
(15021102)     20.51773 (15021102)     22.16585 (15021102)
 3603347.5 |     15.29029 (17122908)     16.90418 (17122908)     18.63402
(17122908)     19.98642 (17122908)     21.94869 (16010308)
```

```
 3603097.5 |     14.71595 (17011719)     15.97504 (17011719)     17.40553
(15012720)     19.87439 (16021602)     21.15898 (16021602)
 3602847.5 |     14.20524 (16021602)     15.41467 (16012803)     17.23224
(16012803)     18.71301 (16011702)     20.54611 (17120906)
 3602597.5 |     14.25987 (17120906)     15.38397 (15011506)     19.00647
(15092907)     23.34180 (15092907)     25.95491 (15092907)
 3602347.5 |     19.30390 (15092907)     21.52322 (15092907)     21.78357
(15092907)     19.50745 (15092907)     21.48336 (17092807)
 3602097.5 |     18.11078 (15092907)     15.36463 (15092907)     19.79628
(17092807)     23.99590 (17092807)     24.72610 (17092807)
 3601847.5 |     18.34329 (17092807)     21.48363 (17092807)     21.56896
(17092807)     26.81752 (15092707)     30.65734 (15092707)
 3601597.5 |     19.50927 (17092807)     23.23271 (15092707)     26.83773
(15092707)     26.10040 (15092707)     20.34467 (15092707)
 3601347.5 |     24.08670 (15092707)     24.52437 (15092707)     20.95638
(15092707)     14.49520 (15092707)     10.91448 (17122105)
 3601097.5 |     20.93691 (15092707)     16.07361 (15092707)     10.13170
(15092707)      9.81863 (15022607)     10.59090 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 728
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP11     ***
                                INCLUDING SOURCE(S):     TP11        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.98785 (17040507)     28.83172 (17040507)     27.37133
(17020108)     26.79274 (16121408)     39.13790 (16120208)
 3605847.5 |     25.21097 (17020308)     27.53063 (17040507)     33.57658
(17040507)     30.69904 (17020108)     31.04260 (16121408)
 3605597.5 |     23.42121 (15011008)     29.34587 (16012908)     32.20312
(17020308)     37.82284 (17040507)     34.62274 (17020108)
 3605347.5 |     24.44808 (15121608)     26.95687 (16020408)     31.37822
(16011506)     38.58423 (17020308)     40.00992 (15021008)
 3605097.5 |     22.81669 (15040607)     28.81326 (15040607)     31.78957
(15121608)     35.56228 (16020408)     42.98744 (16012908)
 3604847.5 |     23.82960 (17012508)     26.60355 (17012508)     31.26275
(15011608)     34.54280 (17012703)     42.27036 (15121608)
 3604597.5 |     28.16960 (15040307)     28.86884 (15040307)     31.19290
(16122808)     34.79188 (17012508)     42.21773 (17012508)
 3604347.5 |     27.80681 (15122708)     31.53575 (17020524)     34.26692
(17020524)     34.55021 (16020401)     41.48150 (17013020)
 3604097.5 |     28.35169 (17011708)     34.25530 (17011708)     37.45258
(17011708)     36.59523 (16120722)     41.00791 (16120722)
 3603847.5 |     30.66842 (17122608)     33.72798 (17122608)     35.77479
(17122608)     41.19380 (17122608)     46.52463 (17122608)
 3603597.5 |     25.29508 (16012807)     27.72921 (16012807)     30.67814
(15011603)     36.42160 (17122908)     46.24217 (17122908)
 3603347.5 |     24.04089 (17021402)     27.09695 (17011719)     30.63411
(15012720)     36.52077 (16021602)     41.99537 (16021602)
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 3603097.5 |     22.67079 (16012803)     26.53755 (16011702)     29.80660
(17120906)     35.63243 (15011506)     42.10051 (16021406)
 3602847.5 |     22.46059 (15092907)     29.35084 (15092907)     32.15479
(15092907)     34.22554 (17122824)     41.11942 (17121308)
 3602597.5 |     25.40402 (15092907)     25.50001 (17010708)     32.25017
(17092807)     37.11820 (15092707)     50.24599 (15092707)
 3602347.5 |     27.99673 (17092807)     29.46497 (15092707)     39.63918
(15092707)     39.79926 (15092707)     25.82041 (15092707)
 3602097.5 |     32.06270 (15092707)     34.76501 (15092707)     28.53568
(15092707)     18.33723 (17122302)     20.04800 (15121422)
 3601847.5 |     27.58072 (15092707)     18.91377 (15092707)     15.40208
(15022607)     16.96178 (15121422)     18.20183 (16020405)
 3601597.5 |     12.47571 (17122302)     13.11871 (15012201)     14.45117
(17012504)     15.68322 (16020405)     16.41201 (17121505)
 3601347.5 |     11.62219 (15012201)     12.51299 (17012504)     13.50789
(16020405)     14.16006 (17121505)     15.06791 (16121724)
 3601097.5 |     11.29105 (17021905)     11.94041 (16020405)     12.64675
(17121505)     13.43387 (15120324)     13.98188 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 729
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP11     ***
                                INCLUDING SOURCE(S):     TP11        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     49.75479 (16120208)     36.43278 (15121708)     55.29311
(17021308)     74.02369 (15021508)     68.37369 (17010724)
 3605847.5 |     44.28890 (16120208)     55.60104 (16120208)     48.17513
(16010908)     77.27174 (15120107)     72.34277 (15121303)
 3605597.5 |     37.18752 (17020108)     50.19454 (16120208)     58.32220
(16120208)     86.30592 (17011603)     95.98740 (15021508)
 3605347.5 |     43.32988 (16011607)     47.90001 (17020108)     56.00142
(16120208)     62.28947 (15121708)     62.04376 (17022201)
 3605097.5 |     52.23865 (17020308)     56.70021 (15120308)     69.83290
(17020108)     77.68375 (16120208)     85.79665 (15121708)
 3604847.5 |     49.40757 (16020408)     66.81888 (16012908)     77.44612
(15021008)    104.16193 (17020108)    126.75479 (16120208)
 3604597.5 |     50.48767 (15011608)     61.19662 (15121608)     77.76706
(16020408)    115.85856 (17020308)    150.31564 (17020108)
 3604347.5 |     50.28160 (16122808)     59.01315 (16122808)     76.56499
(17012508)    101.69807 (17012703)    142.49847 (16020408)
 3604097.5 |     48.45485 (16011421)     62.30715 (16011421)     79.66063
(17020524)     96.92085 (16020401)    141.26400 (16122808)
 3603847.5 |     52.36434 (17122608)     63.87190 (17122608)     79.07338
(17122608)    105.02365 (17122608)    148.53383 (17122608)
 3603597.5 |     52.69485 (17122908)     60.60480 (16010308)     75.60814
(17011719)     92.19791 (16021602)    125.36710 (17120906)
 3603347.5 |     50.85917 (16011702)     57.61529 (15011506)     72.96163
(16021406)     97.59568 (17010708)    109.68565 (16122619)
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 3603097.5 |     48.99844 (17121720)     57.91080 (17010708)     65.69203
(16122619)     69.54212 (16021107)     62.75882 (15121422)
 3602847.5 |     48.82438 (15092707)     58.54581 (15092707)     40.36797
(17122302)     45.17286 (17012504)     49.39253 (15013101)
 3602597.5 |     40.80096 (15092707)     30.84919 (15022607)     35.63808
(17021905)     37.10378 (15013101)     41.69848 (16122704)
 3602347.5 |     24.27602 (15012201)     27.26271 (16121224)     29.42231
(15013101)     31.92836 (17022221)     34.34276 (17022222)
 3602097.5 |     21.52305 (16121224)     23.32435 (17121505)     25.27109
(17010801)     27.66620 (16120304)     32.13297 (16011119)
 3601847.5 |     19.23125 (17121505)     21.40656 (17010801)     22.26620
(17012722)     27.63078 (17040807)     27.98644 (15021805)
 3601597.5 |     17.67704 (17010801)     19.04630 (16122704)     19.95783
(17011624)     22.89086 (16011119)     36.62934 (17020408)
 3601347.5 |     16.10804 (16122704)     17.24345 (16120304)     24.09483
(17040807)     23.18608 (15041007)     42.52807 (17020408)
 3601097.5 |     15.02431 (17012722)     19.97635 (17040807)     17.92794
(16011119)     26.43350 (17020408)     42.24535 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 730
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP11     ***
                                 INCLUDING SOURCE(S):     TP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.21301 (17070706)     41.32425 (17022408)     21.21268
(17022408)     13.21807 (16112208)     38.86344 (17032607)
 3605847.5 |     81.04106 (17021508)    101.53524 (16120908)     51.20113
(17022408)     33.12508 (15111919)     88.43736 (17032607)
 3605597.5 |     83.22955 (17021508)     56.05319 (16021807)     58.84127
(16120106)     65.96423 (15010907)     94.52200 (17032607)
 3605347.5 |     60.49941 (15021508)     64.44322 (17021508)     72.61825
(17022408)     34.35924 (16091507)    119.79071 (17120924)
 3605097.5 |    100.41086 (15021508)    132.60874 (16012808)     41.33778
(17022408)     26.95141 (16112208)     35.54331 (17032607)
 3604847.5 |    180.26926 (17021401)    165.28331 (15121303)     84.70323
(17022408)     42.11115 (17032607)     18.99277 (17032607)
 3604597.5 |    188.24507 (15120408)    170.93679 (15021508)     67.04668
(15013009)     85.04774 (17032607)     39.06898 (16111708)
 3604347.5 |    216.31752 (15021008)    312.01779 (15120408)    236.37321
(17102907)    219.07234 (17032607)     59.77930 (15022723)
 3604097.5 |    231.59662 (17012508)    392.15031 (16012908)    832.16769
(15121708)   1017.28565 (16122307)    391.55229 (17120708)
 3603847.5 |    234.64790 (17122608)    391.38239 (17122608)   1082.36634
(17122608)   4928.43898 (17022601)    343.71237 (15012017)
 3603597.5 |    196.09796 (17121720)    288.46532 (16021107)    367.83329
(16122704)    370.45538 (16021308)    212.79698 (16013009)
 3603347.5 |    101.19201 (16011206)    129.36455 (17010801)    211.97932
(15022505)    303.74786 (15021621)     97.73682 (16022919)
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 3603097.5 |     75.52075 (15120324)     97.89663 (17022103)    122.41773
(15012823)    181.82184 (16022219)    164.85637 (16121220)
 3602847.5 |     58.63342 (16120304)     74.25803 (16021904)     80.06098
(16011319)     98.53492 (17122205)     95.29326 (16022321)
 3602597.5 |     51.29639 (17022103)     80.22250 (17020408)     61.30416
(16010118)     72.50132 (17122205)     69.67750 (16122021)
 3602347.5 |     41.67605 (15021805)     62.12298 (17020408)     47.56873
(16122020)     56.58858 (17121519)     55.11392 (15020321)
 3602097.5 |     53.67117 (17020408)     40.53116 (17020408)     37.98952
(16022802)     45.44630 (17121519)     44.73304 (17121306)
 3601847.5 |     54.59509 (17020408)     30.69096 (17122619)     31.63660
(16012923)     37.64804 (15121123)     37.19367 (15021622)
 3601597.5 |     46.12065 (17020408)     26.32970 (16011319)     26.90490
(16012923)     32.14308 (15121123)     32.44561 (16112308)
 3601347.5 |     35.17364 (17020408)     22.90720 (15022601)     23.51152
(17010402)     27.84690 (15121123)     30.34805 (16112308)
 3601097.5 |     24.60477 (17020408)     20.62744 (16010118)     21.04184
(17010402)     24.55525 (15121123)     27.55818 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 731
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP11     ***
                                 INCLUDING SOURCE(S):     TP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     17.70954 (17032607)     12.85001 (15121322)     10.33898
(16111708)      7.78592 (17020109)      5.62891 (17020109)
 3605847.5 |     12.14960 (15021124)     64.44241 (15122821)     15.95515
(16083007)      7.33563 (17020109)      8.63118 (16092207)
 3605597.5 |     67.09947 (15021924)     61.24597 (17060105)     31.06737
(16101307)     17.68947 (16092207)     10.63237 (17121809)
 3605347.5 |     91.33122 (15033023)     77.94103 (17032207)     81.74861
(17022521)     18.60611 (16092207)     10.04527 (17121809)
 3605097.5 |     26.38149 (16083007)     12.06665 (15022224)     23.41644
(16092207)     49.00201 (17090523)     13.28925 (15110508)
 3604847.5 |     17.43820 (16111708)     16.70837 (16092207)     13.28341
(17121809)     11.93758 (15022724)     15.40184 (15022818)
 3604597.5 |     24.34585 (16092207)     15.99817 (17121809)     11.36245
(15082707)     16.37140 (17032608)     21.25812 (17032608)
 3604347.5 |     34.35458 (15082707)     32.86598 (15022818)     41.95715
(17032608)     52.36650 (16040707)     39.69200 (16040707)
 3604097.5 |    163.72967 (16040707)     65.37802 (16040707)     24.81736
(17032307)     19.24337 (17082707)     18.34406 (16090707)
 3603847.5 |    161.61055 (15012017)     85.21643 (15012017)     33.60809
(17030408)     24.27917 (15062407)     21.32674 (15062407)
 3603597.5 |    100.93915 (16040807)     47.87652 (15122117)     38.40484
(17122709)     29.90974 (15020117)     20.63096 (15061907)
 3603347.5 |     90.70157 (16013009)     58.90658 (16040807)    131.91704
(16100807)     43.13718 (15022408)     76.13851 (15012119)
```

```
 3603097.5 |     52.12873 (17020419)    213.29206 (17040307)    121.83033
(17022804)    144.58519 (17011308)    137.52568 (16121122)
 3602847.5 |    172.58166 (17120621)     95.98594 (16121022)     82.01613
(17122518)     92.51622 (16122817)     73.30165 (17121101)
 3602597.5 |     69.32382 (16121220)     84.65434 (15020908)     70.12783
(16010421)     67.86895 (17122518)     67.33951 (15013018)
 3602347.5 |     52.77529 (17010624)     56.08696 (17120621)     68.40985
(17021408)     53.56141 (16010421)     51.25231 (17122518)
 3602097.5 |     43.08974 (15021419)     41.08074 (17010406)     53.39971
(17120621)     50.24860 (17021408)     84.43864 (15011201)
 3601847.5 |     36.77498 (17011319)     37.14441 (15022808)     35.21289
(16121008)     44.48172 (15020908)     40.89542 (16121022)
 3601597.5 |     31.56784 (16122021)     38.03395 (15022808)     28.39589
(17010406)     36.40208 (17120621)     38.03562 (17021408)
 3601347.5 |     28.21998 (17031208)     29.72845 (15022808)     25.00202
(16121220)     25.40046 (16121008)     32.31471 (15020908)
 3601097.5 |     24.29079 (16121418)     23.85326 (17011319)     30.08177
(15022808)     21.61728 (16092807)     26.63369 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 732
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP11     ***
                                 INCLUDING SOURCE(S):     TP11        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.06715 (16092207)      8.84841 (17121809)      7.46116
(17121809)      6.00093 (17032908)
 3605847.5 |      9.66253 (17121809)      8.14922 (17121809)      6.61423
(17032908)      6.52656 (15082707)
 3605597.5 |      8.99003 (17121809)      7.31376 (17032908)      6.96274
(15082707)      4.92241 (15082707)
 3605347.5 |      8.09771 (17032908)      7.17035 (15082707)      4.25335
(15082707)      6.53404 (17122309)
 3605097.5 |      6.93157 (15082707)      6.82213 (17122309)     10.37746
(17122309)     11.86365 (17122309)
 3604847.5 |     13.97036 (17032608)     14.05412 (17122309)     23.82530
(16040707)     30.51373 (16040707)
 3604597.5 |     35.33256 (16040707)     37.92988 (16040707)     29.80860
(16040707)     19.22279 (16040707)
 3604347.5 |     21.62394 (16040707)     11.19546 (17082707)     11.71586
(17082707)     11.54408 (17082707)
 3604097.5 |     17.44483 (16090707)     15.95775 (16090707)     14.30796
(16090707)     12.70015 (16090707)
 3603847.5 |     19.08798 (15062407)     17.32295 (15062407)     15.88997
(15062407)     14.69965 (15062407)
 3603597.5 |     20.56082 (15061907)     16.46586 (15061907)     13.46629
(15061907)     11.46414 (17042907)
 3603347.5 |     34.80551 (15091922)     13.49274 (17082908)      8.84280
(17122709)      6.70726 (17122709)
```

```
 3603097.5 |     39.45682 (15022408)     22.98028 (15022408)     11.40234
(17122709)     10.82407 (17122709)
 3602847.5 |     97.26313 (15121020)     39.73914 (16040807)     34.28310
(15022408)     25.11336 (15022408)
 3602597.5 |     63.31898 (16010101)     28.18330 (16040807)     39.81892
(16040807)     33.60377 (16040807)
 3602347.5 |     54.95296 (15013018)     68.73208 (17010220)     35.35676
(16071324)     56.99711 (16040807)
 3602097.5 |     89.42339 (17040307)     38.87455 (17122124)     38.97737
(16121203)     36.36793 (17022804)
 3601847.5 |     69.39682 (16010601)     34.08564 (17122518)     31.02353
(17122124)     30.00607 (16122817)
 3601597.5 |     35.38875 (16121022)     30.36870 (16010601)     30.34790
(17122518)     25.43438 (17122124)
 3601347.5 |     31.91162 (17021408)     24.77532 (16121022)     25.71041
(17011224)     24.95155 (17122518)
 3601097.5 |     27.87946 (15020908)     25.59826 (17021408)     21.85293
(16010421)     23.47195 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 733
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP11     ***
                                 INCLUDING SOURCE(S):     TP11        ,

                                       *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      564.24588  (16122808)
507708.67   3603932.32      170.00406  (17011708)
        506203.59   3603369.23       38.39063  (16021602)
507919.87   3604794.52      163.44185  (15122808)
        507037.89   3604916.08       71.55412  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 734
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP12     ***
                                 INCLUDING SOURCE(S):     TP12        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |      504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.46276 (16020408)    14.12006 (15011008)     16.76350
(16012908)    19.78064 (16012908)     20.61144 (17020308)
 3605847.5 |     16.88706 (15040607)    16.15022 (15040607)     16.15096
(16020408)    17.85781 (15011008)     22.16265 (16012908)
 3605597.5 |     16.07615 (15040607)    18.50804 (15040607)     20.58794
(15040607)    20.53578 (15040607)     21.31335 (15010408)
 3605347.5 |     15.84025 (17012508)    15.80280 (15011608)     17.03984
(15040607)    19.87446 (15040607)     24.12830 (15040607)
 3605097.5 |     16.58296 (16021108)    17.09609 (15011519)     18.99494
(17012508)    19.43191 (17012508)     20.75737 (15011608)
 3604847.5 |     21.84834 (15040307)    23.16892 (15040307)     22.66357
(15040307)    21.07107 (15040307)     23.73057 (16122808)
 3604597.5 |     18.76650 (17092707)    20.03191 (17092707)     20.94985
(17092707)    23.01803 (15040307)     28.29579 (15040307)
 3604347.5 |     20.21845 (16040507)    20.81724 (16040507)     21.48421
(16040507)    22.00997 (16040507)     24.50647 (16011421)
 3604097.5 |     16.33941 (17011708)    18.52456 (17011708)     20.11248
(17011708)    22.29914 (17011708)     25.08228 (17011708)
 3603847.5 |     20.15467 (17021608)    21.52889 (17021608)     23.60297
(17021608)    24.78098 (17021608)     27.06176 (17021608)
 3603597.5 |     14.99091 (15021102)    16.38862 (15021102)     18.57185
(15021102)    20.52931 (15021102)     22.12897 (16012807)
 3603347.5 |     15.37106 (17122908)    16.92794 (17122908)     18.57504
(17122908)    20.02597 (16010308)     21.86126 (16010308)
 3603097.5 |     14.76991 (17011719)    15.93174 (17011719)     17.42927
(15012720)    19.96917 (16021602)     21.04619 (16021602)
 3602847.5 |     14.08118 (16021602)    15.49654 (16012803)     17.31577
(16011702)    18.79356 (17120906)     20.51285 (15011506)
 3602597.5 |     14.28650 (17120906)    15.43097 (15011506)     19.61097
(15092907)    23.71665 (15092907)     25.89234 (15092907)
 3602347.5 |     19.61248 (15092907)    21.56641 (15092907)     21.47834
(15092907)    18.87534 (15092907)     22.21298 (17092807)
 3602097.5 |     17.71573 (15092907)    14.78670 (15092907)     20.32746
(17092807)    24.15036 (17092807)     24.67989 (15092707)
 3601847.5 |     18.74132 (17092807)    21.57939 (17092807)     21.24644
(17092807)    27.26723 (15092707)     30.51876 (15092707)
 3601597.5 |     19.24625 (17092807)    23.67035 (15092707)     26.87061
(15092707)    25.61823 (15092707)     19.52299 (15092707)
 3601347.5 |     24.21500 (15092707)    24.25067 (15092707)     20.34116
(15092707)    13.78146 (15092707)     10.89106 (17122105)
 3601097.5 |     20.49423 (15092707)    15.46393 (15092707)      9.56556
(15092707)     9.82520 (15022607)     10.60241 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 735
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP12     ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
```

```
  (METERS) |      505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.84905 (17040507)    29.17065 (17040507)     27.45504
(17020108)    26.84542 (16121408)     38.88301 (16120208)
 3605847.5 |     25.29297 (17020308)    27.17175 (17040507)     33.78308
(17040507)    30.69420 (17020108)     31.05524 (16121408)
 3605597.5 |     23.43432 (15011008)    29.36091 (16012908)     32.56630
(17020308)    37.75850 (17040507)     34.45445 (17020108)
 3605347.5 |     24.53869 (15121608)    27.03445 (16020408)     31.22840
(16011506)    38.89592 (16012908)     40.16297 (17010508)
 3605097.5 |     22.60372 (15040607)    28.84918 (15040607)     31.84827
(15121608)    35.70406 (16020408)     42.57143 (16012908)
 3604847.5 |     23.73363 (17012508)    26.84271 (17012508)     31.43833
(15011608)    34.70751 (17012703)     42.20632 (15121608)
 3604597.5 |     28.21552 (15040307)    29.38412 (15040307)     31.41512
(16122808)    34.51394 (17012508)     42.68721 (17012508)
 3604347.5 |     27.77505 (16011421)    31.75585 (15122708)     34.49073
(17020524)    34.79963 (16020401)     41.41245 (17013020)
 3604097.5 |     28.50123 (17011708)    34.59166 (17011708)     38.02676
(17011708)    37.33838 (17011708)     41.24898 (16120722)
 3603847.5 |     30.65535 (17122608)    33.70666 (17122608)     35.73921
(17122608)    41.14041 (17122608)     46.44188 (17122608)
 3603597.5 |     25.43406 (16012807)    27.73284 (16012807)     30.95830
(17122908)    36.88681 (17122908)     46.43436 (17122908)
 3603347.5 |     24.02499 (17021402)    27.16655 (17011719)     30.75586
(15012720)    36.63219 (16021602)     42.22315 (16012803)
 3603097.5 |     22.84632 (16012803)    26.71769 (16011702)     29.89453
(17120906)    35.47123 (15011506)     41.99019 (16021406)
 3602847.5 |     23.29331 (15092907)    29.81054 (15092907)     31.81823
(15092907)    34.05675 (17010704)     41.81278 (17121308)
 3602597.5 |     24.79090 (15092907)    25.77213 (17010708)     32.68852
(17092807)    38.54415 (15092707)     50.23767 (15092707)
 3602347.5 |     28.25729 (17092807)    30.57232 (15092707)     39.97590
(15092707)    38.77243 (15092707)     24.12084 (15092707)
 3602097.5 |     32.49841 (15092707)    34.31558 (15092707)     27.29886
(15092707)    18.26193 (17122105)     20.05269 (15121422)
 3601847.5 |     26.79082 (15092707)    17.86123 (15092707)     15.41279
(15022607)    16.97792 (17012504)     18.24457 (16020405)
 3601597.5 |     12.42645 (17122302)    13.15928 (15012201)     14.42372
(17012504)    15.68226 (16020405)     16.23640 (17121505)
 3601347.5 |     11.65728 (15121422)    12.52019 (17021905)     13.48303
(16020405)    14.02864 (17121505)     15.04815 (16121724)
 3601097.5 |     11.28919 (17021905)    11.90242 (16020405)     12.54356
(17121505)    13.34593 (15120324)     14.00480 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 736
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP12     ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
```

```
  (METERS) |       506618.86             506868.86             507118.86
507368.86             507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     50.11546 (16120208)    36.77007 (15121708)     55.20892
(17021308)    74.41806 (15021508)    68.89354 (17010724)
 3605847.5 |     44.01050 (16120208)    56.14990 (16120208)     48.52406
(16010908)    78.19743 (15120107)    72.88143 (15121303)
 3605597.5 |     37.85108 (17020108)    49.89729 (16120208)     59.09806
(16120208)    87.05943 (17011603)    96.51686 (15021508)
 3605347.5 |     43.74855 (16011607)    48.67790 (17020108)     55.70246
(16120208)    62.67428 (15121708)    62.77678 (17022201)
 3605097.5 |     52.80565 (17020308)    57.19829 (15120308)     70.73925
(17020108)    77.37061 (16120208)    86.99185 (15121708)
 3604847.5 |     49.69197 (16020408)    66.76964 (16012908)     77.67342
(15021008)   104.94199 (17020108)   126.59172 (16120208)
 3604597.5 |     51.26429 (15011608)    60.70219 (15121608)     78.47524
(16020408)   116.71347 (17020308)   149.57250 (17020108)
 3604347.5 |     50.16135 (16011108)    60.13343 (16122808)     77.75321
(17012508)   102.95834 (17012703)   144.86229 (16020408)
 3604097.5 |     49.05515 (16120722)    62.57668 (16011421)     80.25506
(15122708)    97.99435 (16020401)   140.67970 (16122808)
 3603847.5 |     52.23850 (17122608)    63.66656 (17122608)     78.72639
(17122608)   104.35731 (17122608)   147.09303 (17122608)
 3603597.5 |     52.27691 (17122908)    59.99065 (16010308)     75.78535
(15012720)    91.52744 (16021602)   126.40621 (17120906)
 3603347.5 |     51.06228 (16011702)    57.76240 (15011506)     72.39623
(16121801)    98.87176 (17010708)   108.93752 (17020106)
 3603097.5 |     49.09664 (17122824)    57.58502 (17010708)     65.71178
(16122619)    66.10937 (16021107)    62.45104 (15121422)
 3602847.5 |     50.70991 (15092707)    57.58552 (15092707)     40.22542
(17122302)    45.02988 (17021905)    49.46482 (15120324)
 3602597.5 |     38.88080 (15092707)    30.87024 (15022607)     35.43880
(17021905)    37.09407 (15013101)    41.31410 (16122704)
 3602347.5 |     24.33369 (15121422)    27.25149 (16121224)     29.52225
(15013101)    31.86305 (17022221)    34.44230 (17010503)
 3602097.5 |     21.42293 (16121224)    23.44550 (15013101)     24.99229
(17010801)    27.55921 (16120304)    31.98684 (16011119)
 3601847.5 |     19.15700 (15013101)    21.35304 (17010801)     22.31680
(17012722)    27.88031 (17040807)    28.10023 (15041007)
 3601597.5 |     17.73743 (17010801)    18.95035 (16122704)     20.26817
(17040807)    22.74818 (16011119)    37.75501 (17020408)
 3601347.5 |     16.16622 (16122704)    17.18379 (16120304)     23.96171
(17040807)    23.39606 (15041007)    42.98349 (17020408)
 3601097.5 |     14.99800 (17012722)    20.45392 (17040807)     17.86532
(17022603)    27.36921 (17020408)    42.06940 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 737
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP12      ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       507868.86             508118.86             508368.86
508618.86             508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.12203 (17070706)    42.08014 (17022408)     20.90992
(17022408)    12.99603 (16112208)    39.51066 (17032607)
 3605847.5 |     81.25778 (17021508)   101.69194 (16120908)     50.66364
(17022408)    33.08639 (15111919)    88.91328 (17032607)
 3605597.5 |     83.88868 (17021508)    56.30661 (16021807)     59.21504
(16120106)    66.57730 (15010907)    93.52519 (17032607)
 3605347.5 |     60.92819 (15021508)    64.78066 (15022206)    189.30227
(15092607)    35.92346 (16091507)   120.63024 (17120924)
 3605097.5 |    101.13736 (15021508)   133.04474 (16012808)     41.83291
(17022408)    27.96677 (17032607)    32.87592 (17032607)
 3604847.5 |    181.76642 (17021401)   166.70720 (17010208)     87.06946
(17022408)    46.39600 (17032607)    16.37242 (17032607)
 3604597.5 |    191.09838 (15120408)   172.12357 (15021508)     68.11576
(15013009)    93.87793 (17032607)    41.37378 (16111708)
 3604347.5 |    220.49676 (15021008)   322.10829 (15120408)    238.15945
(17102907)   236.87112 (17032607)    66.96901 (15022723)
 3604097.5 |    238.52487 (17012508)   381.16052 (16020408)    865.89472
(15121708)  1138.36440 (16120120)   344.51859 (17052405)
 3603847.5 |    230.76755 (17122608)   377.74233 (17122608)   1094.29947
(17122908)  4385.47990 (15121507)   333.71528 (16021806)
 3603597.5 |    196.62706 (17122824)   279.14286 (16021107)    359.46864
(17012722)   348.65381 (16021308)   207.90140 (16013009)
 3603347.5 |    100.96988 (15022607)   129.14023 (17010801)    207.19701
(16010102)   295.67169 (17122218)    94.57808 (16022919)
 3603097.5 |     75.13316 (15120324)    98.02155 (17022103)    120.46573
(15012823)   177.61286 (16022219)   161.79503 (16121220)
 3602847.5 |     58.39668 (16120304)    76.27410 (17020408)     78.94286
(15022601)    96.73293 (17122205)    93.88345 (16022321)
 3602597.5 |     50.88854 (16011119)    79.98754 (17020408)     60.64202
(17122005)    71.71548 (17122205)    68.85849 (16122021)
 3602347.5 |     41.75619 (17020408)    60.09625 (17020408)     47.19293
(16122020)    56.09600 (17122205)    54.61357 (15020321)
 3602097.5 |     54.78373 (17020408)    38.52712 (17020408)     37.72201
(16022802)    45.05101 (17121519)    44.32699 (17121306)
 3601847.5 |     54.37342 (17020408)    30.56799 (17122619)     31.49294
(16012923)    37.39034 (17121519)    36.93179 (15021622)
 3601597.5 |     45.15923 (17020408)    26.17808 (16011319)     26.69993
(16012923)    31.82397 (15121123)    32.21199 (16112308)
 3601347.5 |     34.03201 (17020408)    22.77528 (15022601)     23.42272
(17010402)    27.61621 (15121123)    30.24033 (16112308)
 3601097.5 |     23.60664 (17020408)    20.53544 (16010118)     20.92825
(17010402)    24.38582 (15121123)    27.54086 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 738
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP12      ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.63280 (17032607)    12.41790 (15121322)     10.31615
(16111708)      7.78530 (17020109)     5.48177 (17020109)
 3605847.5 |     12.07367 (16010705)    64.52663 (15122821)     15.60394
(16083007)      7.29152 (15022224)     8.76453 (16092207)
 3605597.5 |     67.29747 (15021924)    61.24017 (15052306)     32.65155
(16101307)     18.29821 (16092207)    10.73557 (17121809)
 3605347.5 |     89.72973 (15033023)    81.51539 (17032207)     80.69653
(17022521)     17.84143 (16092207)     9.77969 (17121809)
 3605097.5 |     26.64948 (16083007)    12.55071 (15022224)     22.72875
(16092207)     49.25919 (17090523)    13.51683 (15110508)
 3604847.5 |     16.25937 (16111708)    16.63065 (16092207)     12.79038
(17121809)     11.88276 (15022724)    15.67220 (15022818)
 3604597.5 |     25.61192 (16092207)    15.22580 (17121809)     10.82878
(15082707)     18.16905 (17032608)    22.56618 (16040707)
 3604347.5 |     36.33871 (15082707)    30.15513 (15022818)     41.46251
(17032608)     52.74342 (16040707)    37.11798 (16040707)
 3604097.5 |    180.51297 (16040707)    57.77687 (16040707)     25.50888
(17032307)     19.66798 (17091207)    18.83557 (16090707)
 3603847.5 |    150.51788 (15012017)    83.77101 (15012017)     31.70190
(17030408)     24.35285 (15062407)    21.43305 (15062407)
 3603597.5 |    106.13176 (16040807)    46.93510 (15122117)     39.25364
(17122709)     28.90041 (15020117)    20.66370 (15020117)
 3603347.5 |     84.25426 (16013009)    54.11463 (16040807)    133.75995
(16040807)     45.12367 (15022408)    76.90642 (15012119)
 3603097.5 |     50.68854 (17020419)   210.47153 (17040307)    122.04562
(16121203)    145.05247 (17011308)   136.07284 (16121122)
 3602847.5 |    169.50699 (17120621)    95.13164 (16121022)     82.05489
(17122518)     91.80170 (16122817)    71.89850 (17121101)
 3602597.5 |     68.53071 (16121220)    83.61028 (15020908)     69.08839
(16010421)     67.85330 (17122518)    66.83469 (15013018)
 3602347.5 |     52.21860 (17010624)    55.35561 (17120621)     67.82975
(17021408)     53.10235 (16010421)    51.22105 (17122518)
 3602097.5 |     42.72941 (15021419)    40.75025 (17010406)     52.98882
(17120621)     50.11802 (17021408)    83.55605 (15011201)
 3601847.5 |     36.53218 (17011319)    36.87795 (15022808)     34.96704
(16121008)     44.17472 (15020908)    40.62191 (16121022)
 3601597.5 |     31.36175 (16122021)    37.91925 (15022808)     28.21242
(17010406)     36.12146 (17120621)    37.76648 (17021408)
 3601347.5 |     28.17747 (17031208)    29.79004 (15022808)     24.84772
(16121220)     25.25249 (16121008)    32.06729 (15020908)
 3601097.5 |     24.22186 (17031208)    23.70621 (17011319)     29.94146
(15022808)     21.55338 (16092807)    26.44878 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 739
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP12      ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
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```
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.07744 (16092207)     8.87950 (17121809)      7.31531
(17121809)      6.05132 (17032908)
 3605847.5 |      9.72122 (17121809)     7.97596 (17121809)      6.65115
(17032908)      6.51615 (15082707)
 3605597.5 |      8.77903 (17121809)     7.32567 (17032908)      6.88548
(15082707)      4.72748 (15082707)
 3605347.5 |      8.07719 (15082707)     6.99621 (15082707)      4.01383
(15082707)      6.89821 (17122309)
 3605097.5 |      6.73429 (16042804)     7.30504 (17122309)     10.74666
(17122309)     11.95982 (17122309)
 3604847.5 |     15.06542 (17032608)    14.19371 (16040707)     25.37209
(16040707)     31.13524 (16040707)
 3604597.5 |     37.03129 (16040707)    37.60944 (16040707)     28.37907
(16040707)     17.75497 (16040707)
 3604347.5 |     19.27936 (16040707)    11.61828 (17082707)     11.94921
(17082707)     11.62245 (17082707)
 3604097.5 |     17.53182 (16090707)    15.80632 (16090707)     14.02851
(16090707)     12.36070 (16090707)
 3603847.5 |     19.20590 (15062407)    17.44313 (15062407)     16.00809
(15062407)     14.81372 (15062407)
 3603597.5 |     20.00829 (15061907)    16.27627 (15061907)     13.50074
(15061907)     11.08858 (15061907)
 3603347.5 |     34.73408 (15091922)    13.35595 (17082908)      9.09449
(17122709)      6.94893 (17122709)
 3603097.5 |     40.04062 (15022408)    24.33672 (15022408)     11.27415
(17122709)     10.82222 (17122709)
 3602847.5 |     93.40038 (15121020)    40.56269 (16040807)     34.32755
(15022408)     25.95460 (15022408)
 3602597.5 |     62.97750 (16010101)    26.91190 (16040807)     39.35784
(16040807)     34.22454 (16040807)
 3602347.5 |     54.20030 (15013018)    68.99443 (17010220)     35.08955
(16071324)     55.20842 (16040807)
 3602097.5 |     87.83247 (17040307)    38.79919 (17122124)     38.68096
(16121203)     36.32796 (17022804)
 3601847.5 |     69.00175 (16010601)    34.05162 (17122518)     30.86307
(17122124)     29.84386 (16122817)
 3601597.5 |     35.30155 (16121022)    30.25647 (16010601)     30.31655
(17122518)     25.24277 (17122124)
 3601347.5 |     31.79904 (17021408)    24.77236 (16121022)     25.54005
(17011224)     24.92402 (17122518)
 3601097.5 |     27.73898 (15020908)    25.58292 (17021408)     21.64770
(16010421)     23.35935 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 740
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP12      ***
                                  INCLUDING SOURCE(S):     TP12        ,

                                              *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**
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```
      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      589.68712  (16122808)
507708.67   3603932.32      173.87495  (17011708)
        506203.59   3603369.23       38.56000  (16021602)
507919.87   3604794.52      163.66289  (15122808)
        507037.89   3604916.08       71.96488  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 741
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP13     ***
                                 INCLUDING SOURCE(S):     TP13        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.53961 (15010408)     14.07666 (15011008)     16.74201
(16120805)     19.85134 (16012908)     20.78598 (17020308)
 3605847.5 |     16.98188 (15040607)     16.33067 (15040607)     16.22981
(15010408)     17.81907 (15011008)     22.06277 (16012908)
 3605597.5 |     15.96942 (15040607)     18.48175 (15040607)     20.67943
(15040607)     20.76227 (15040607)     21.45908 (15010408)
 3605347.5 |     15.91111 (17012508)     15.76833 (15011608)     16.89233
(15011608)     19.78985 (15040607)     24.19336 (15040607)
 3605097.5 |     16.96956 (16021108)     17.17105 (15011519)     18.94250
(17012508)     19.53369 (17012508)     20.75256 (15011608)
 3604847.5 |     21.73106 (15040307)     23.21978 (15040307)     22.91312
(15040307)     21.52062 (15040307)     23.93485 (16122808)
 3604597.5 |     18.64138 (17092707)     20.01308 (17092707)     21.07087
(17092707)     22.55457 (15040307)     27.97198 (15040307)
 3604347.5 |     20.25892 (16040507)     20.94539 (16040507)     21.72131
(16040507)     22.38019 (16040507)     24.52453 (16011421)
 3604097.5 |     16.22024 (17011708)     18.41236 (17011708)     20.02163
(17011708)     22.23903 (17011708)     25.06958 (17011708)
 3603847.5 |     20.35814 (17021608)     21.74561 (17021608)     23.83908
(17021608)     25.02677 (17021608)     27.32624 (17021608)
 3603597.5 |     15.06908 (15021102)     16.44297 (15021102)     18.59112
(15021102)     20.49520 (15021102)     22.25187 (16012807)
 3603347.5 |     15.41515 (17122908)     16.92108 (17122908)     18.49586
(17122908)     20.02493 (16010308)     21.74753 (16010308)
 3603097.5 |     14.79102 (17011719)     15.94585 (15012720)     17.41727
(15012720)     20.00494 (16021602)     20.90961 (16021602)
 3602847.5 |     13.96003 (16021602)     15.53729 (16012803)     17.38859
(16011702)     18.88453 (17120906)     20.59933 (15011506)
 3602597.5 |     14.28593 (17120906)     15.44332 (15011506)     20.07220
(15092907)     23.97032 (15092907)     25.77895 (15092907)
 3602347.5 |     19.83086 (15092907)     21.56097 (15092907)     21.19208
(15092907)     18.33975 (15092907)     22.76578 (17092807)
 3602097.5 |     17.37300 (15092907)     15.26549 (17092807)     20.72560
(17092807)     24.22400 (17092807)     25.35405 (15092707)
 3601847.5 |     19.03679 (17092807)     21.61794 (17092807)     21.17224
(15092707)     27.58606 (15092707)     30.34825 (15092707)
 3601597.5 |     19.00508 (17092807)     23.99286 (15092707)     26.85354
(15092707)     25.19212 (15092707)     18.85001 (15092707)
 3601347.5 |     24.28487 (15092707)     23.99642 (15092707)     19.82706
(15092707)     13.21009 (15092707)     10.85645 (17122105)
 3601097.5 |     20.11641 (15092707)     14.96775 (15092707)      9.29922
(17122302)      9.81897 (15022607)     10.59793 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 742
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP13     ***
                                 INCLUDING SOURCE(S):     TP13        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.71419 (17040507)     29.42708 (17040507)     27.50786
(17020108)     26.87675 (16121408)     38.65835 (16120208)
 3605847.5 |     25.33752 (17020308)     26.85732 (17040507)     33.92126
(17040507)     30.67384 (17020108)     31.18979 (17020202)
 3605597.5 |     23.41951 (15011008)     29.33844 (16012908)     32.82652
(17020308)     37.66354 (17040507)     34.29445 (17020108)
 3605347.5 |     24.67430 (15040607)     27.17610 (15010408)     31.06222
(16011506)     39.09692 (16012908)     40.33345 (17010508)
 3605097.5 |     22.41183 (15040607)     28.84761 (15040607)     31.84828
(15121608)     35.83126 (15010408)     42.15923 (16012908)
 3604847.5 |     23.62818 (17012508)     27.00552 (17012508)     31.52366
(15011608)     34.77728 (17012703)     42.07261 (15121608)
 3604597.5 |     28.19168 (15040307)     29.73953 (15040307)     31.54778
(16122808)     34.41769 (16122808)     42.97997 (17012508)
 3604347.5 |     27.95574 (16011421)     31.89433 (15122708)     34.58799
(17020524)     34.92681 (16020401)     41.65754 (15020702)
 3604097.5 |     28.56319 (17011708)     34.78378 (17011708)     38.39729
(17011708)     37.90937 (17011708)     41.32457 (16120722)
 3603847.5 |     30.57377 (17122608)     33.60324 (17122608)     35.61279
(17122608)     40.96945 (17122608)     46.21490 (17122608)
 3603597.5 |     25.48152 (16012807)     27.79049 (15011603)     31.35643
(17122908)     37.15216 (17122908)     46.41557 (17122908)
 3603347.5 |     24.05391 (17011719)     27.15017 (17011719)     30.76155
(15012720)     36.59276 (16021602)     42.50119 (16012803)
 3603097.5 |     22.93522 (16012803)     26.79062 (16011702)     29.87485
(17120906)     35.47902 (17122623)     41.73104 (16021406)
 3602847.5 |     23.92425 (15092907)     30.09582 (15092907)     31.44237
(15092907)     34.25736 (17010708)     42.21946 (17121308)
 3602597.5 |     24.24142 (15092907)     25.92071 (17010708)     32.93786
(17092807)     39.60556 (15092707)     50.04613 (15092707)
 3602347.5 |     28.39461 (17092807)     31.41681 (15092707)     40.13782
(15092707)     37.84771 (15092707)     22.75857 (15092707)
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 3602097.5 |     32.78237 (15092707)     33.87638 (15092707)     26.27226
(15092707)     18.22806 (17122105)     20.01058 (15121422)
 3601847.5 |     26.11578 (15092707)     17.01776 (15092707)     15.39463
(15022607)     16.98998 (17012504)     18.24150 (16020405)
 3601597.5 |     12.36782 (17122302)     13.16958 (15012201)     14.37713
(17012504)     15.65352 (16020405)     16.28479 (15013101)
 3601347.5 |     11.69602 (15121422)     12.53308 (17021905)     13.44198
(16020405)     13.94853 (15013101)     15.02482 (17010801)
 3601097.5 |     11.27244 (17021905)     11.85530 (16020405)     12.44300
(17121505)     13.28259 (16121724)     14.00123 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 743
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP13     ***
                                 INCLUDING SOURCE(S):     TP13        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     50.39006 (16120208)     37.03626 (15121708)     55.07738
(17021308)     74.68014 (15021508)     69.25314 (17010724)
 3605847.5 |     43.76169 (16120208)     56.57264 (16120208)     48.77138
(16010908)     78.81748 (15120107)     73.32108 (15121303)
 3605597.5 |     38.38160 (17020108)     49.62696 (16120208)     59.70885
(16120208)     87.44670 (17011603)     96.94035 (15021508)
 3605347.5 |     44.03588 (16011607)     49.28936 (17020108)     55.42464
(16120208)     62.96672 (15121708)     63.37188 (17022201)
 3605097.5 |     53.17991 (17020308)     57.50749 (15120308)     71.37305
(17020108)     77.03832 (16120208)     87.91349 (15121708)
 3604847.5 |     49.82472 (16020408)     66.56366 (16012908)     77.67550
(15021008)    105.34948 (17020108)    126.20370 (16120208)
 3604597.5 |     51.75625 (15011608)     60.70105 (15012401)     78.82597
(16020408)    117.00974 (17020308)    148.56974 (17020108)
 3604347.5 |     50.24747 (16011108)     60.87648 (16122808)     78.43669
(17012508)    103.49597 (17012703)    146.10542 (16020408)
 3604097.5 |     49.58039 (16120722)     62.51560 (16011421)     80.50014
(15122708)     98.24769 (16020401)    140.24125 (16011108)
 3603847.5 |     51.94495 (17122608)     63.21294 (17122608)     78.01016
(17122608)    103.03798 (17122608)    144.37157 (17122608)
 3603597.5 |     52.20499 (16010308)     59.94521 (17011719)     76.06331
(15012720)     90.79565 (16012803)    126.56452 (15011506)
 3603347.5 |     51.12712 (17120906)     57.55541 (15011506)     72.78689
(17121720)     98.98057 (17010708)    109.56235 (16021107)
 3603097.5 |     49.19937 (17122824)     58.22757 (17121308)     65.82423
(15092707)     62.98741 (16021107)     62.42891 (17012504)
 3602847.5 |     52.05317 (15092707)     56.54043 (15092707)     39.93775
(17122302)     44.97465 (17021905)     49.45563 (15120324)
 3602597.5 |     37.25067 (15092707)     30.78981 (15022607)     35.47765
(16121224)     37.04391 (15120324)     40.84813 (16122704)
 3602347.5 |     24.45840 (15121422)     27.16208 (16121224)     29.51227
(15013101)     31.98659 (16122704)     34.44282 (17010503)
```

```
 3602097.5 |     21.43135 (16020405)     23.49225 (15013101)     24.90837
(16021923)     27.40395 (16120304)     31.79676 (16011119)
 3601847.5 |     19.22479 (15013101)     21.26322 (17010801)     22.30952
(17012722)     27.97004 (17040807)     28.19439 (15041007)
 3601597.5 |     17.75270 (17010801)     18.83783 (16122704)     20.93998
(17040807)     22.60997 (17022603)     38.61524 (17020408)
 3601347.5 |     16.18617 (16122704)     17.10765 (16120304)     23.78432
(17040807)     23.53082 (15041007)     43.28775 (17020408)
 3601097.5 |     14.95454 (17012722)     20.79048 (17040807)     17.86129
(17022603)     28.10500 (17020408)     41.87474 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 744
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP13     ***
                                 INCLUDING SOURCE(S):     TP13        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.19549 (17070706)     42.68562 (17022408)     20.66097
(17022408)     12.80896 (16112208)     39.97881 (17032607)
 3605847.5 |     81.43289 (17021508)    101.67291 (16120908)     50.21164
(17022408)     33.15705 (15111919)     89.13029 (17032607)
 3605597.5 |     84.41369 (17021508)     56.49290 (16021807)     59.46701
(16120106)     67.02455 (15010907)     92.51104 (17032607)
 3605347.5 |     61.26468 (15021508)     65.24219 (15022206)     72.77823
(17022408)     37.17366 (16091507)    121.11077 (17120924)
 3605097.5 |    101.65431 (15021508)    134.02962 (16012808)     42.20521
(17022408)     30.05317 (17032607)     30.72817 (17032607)
 3604847.5 |    183.31334 (17021401)    168.37346 (17010208)     88.95427
(17022408)     49.99631 (17032607)     16.14710 (15022208)
 3604597.5 |    193.23927 (15120408)    173.03610 (15021508)     68.93818
(15013009)    101.09420 (17032607)     42.93258 (16111708)
 3604347.5 |    222.76823 (15021008)    329.45501 (15120408)    240.91953
(17102907)    249.24442 (17032607)     69.23914 (15022723)
 3604097.5 |    241.77034 (17012508)    389.99695 (16020408)    888.27605
(15121708)   1234.53863 (16120120)    358.00945 (15051906)
 3603847.5 |    223.84399 (17122608)    359.62737 (15021102)   1086.21170
(16010308)   3940.56379 (15022202)    346.20531 (17121717)
 3603597.5 |    196.98388 (17122824)    263.98180 (16021107)    352.55835
(17011624)    340.78350 (17062006)    201.15477 (16013009)
 3603347.5 |    100.47245 (15121422)    127.32372 (17010801)    204.67956
(16010102)    288.47800 (17122218)     92.57198 (16011918)
 3603097.5 |     74.25989 (15120324)     97.43304 (17022103)    118.25156
(15012823)    173.84074 (16022219)    159.24513 (16121220)
 3602847.5 |     57.90647 (16120304)     79.07382 (17020408)     78.36761
(16010118)     95.69960 (16022219)     92.72210 (16022321)
 3602597.5 |     50.70352 (16011119)     79.52108 (17020408)     60.21538
(17122005)     71.00948 (17122205)     68.17972 (16122021)
 3602347.5 |     43.56800 (17020408)     58.37369 (17020408)     46.81241
(16122020)     55.77894 (17122205)     54.19111 (15020321)
```

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 3602097.5 |     55.55996 (17020408)     36.92421 (17020408)     37.45996
(16022802)     44.69725 (17121519)     43.98418 (17121306)
 3601847.5 |     54.09315 (17020408)     30.42648 (17122619)     31.34375
(16012923)     37.17817 (17121519)     36.70725 (15021622)
 3601597.5 |     44.33385 (17020408)     26.02336 (16011319)     26.51264
(16012923)     31.63138 (17121519)     32.00962 (16112308)
 3601347.5 |     33.10029 (17020408)     22.71357 (16010118)     23.33205
(17010402)     27.41727 (15121123)     30.13863 (16112308)
 3601097.5 |     22.81101 (17020408)     20.44251 (16010118)     20.82100
(17010402)     24.23762 (15121123)     27.51316 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 745
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP13     ***
                                INCLUDING SOURCE(S):     TP13        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     15.78234 (17032607)     12.37687 (16083007)     10.27676
(16111708)      7.77721 (17020109)      5.36061 (17020109)
 3605847.5 |     12.13784 (16010705)     64.44117 (15122821)     15.30242
(16083007)      7.39593 (15022224)      8.84577 (16092207)
 3605597.5 |     67.40304 (15021924)     62.27332 (15052306)     33.90752
(16101307)     18.73763 (16092207)     10.80160 (17121809)
 3605347.5 |     88.17232 (15033023)     84.17820 (17032207)     79.57046
(17022521)     17.16864 (16092207)      9.55156 (17121809)
 3605097.5 |     26.79107 (16083007)     12.76873 (15022224)     22.05648
(16092207)     49.28533 (17090523)     13.66099 (15110508)
 3604847.5 |     15.25784 (16111708)     16.42795 (16092207)     12.36245
(17121809)     11.60388 (15022724)     15.59766 (15022818)
 3604597.5 |     26.34443 (16092207)     14.55308 (17121809)     10.35084
(15082707)     19.59321 (17032608)     24.75937 (16040707)
 3604347.5 |     37.53393 (15082707)     26.94512 (15022818)     44.30817
(16040707)     52.52506 (16040707)     34.88579 (16040707)
 3604097.5 |    189.14153 (16040707)     51.26538 (16040707)     25.30548
(17032307)     20.45971 (17091207)     19.12808 (16090707)
 3603847.5 |    130.39039 (15012017)     77.90505 (15012017)     30.00568
(17030408)     24.24546 (15062407)     21.40380 (15062407)
 3603597.5 |    109.09983 (16040807)     46.24934 (16021802)     39.80998
(17122709)     28.60719 (16121017)     21.60961 (15020117)
 3603347.5 |     79.04839 (16013009)     53.36898 (16041107)    136.31825
(16040807)     46.55280 (15022408)     77.48924 (15012119)
 3603097.5 |     50.71261 (17010522)    207.02051 (17040307)    121.89700
(16121203)    145.10779 (17011308)    134.43681 (16121122)
 3602847.5 |    166.76856 (17120621)     94.38099 (16121022)     81.95751
(17122518)     91.13234 (16122817)     70.63330 (17121101)
 3602597.5 |     67.86473 (16121220)     82.76459 (15020908)     68.19522
(16010421)     67.73939 (17122518)     66.32934 (15013018)
 3602347.5 |     51.76384 (17010624)     54.75507 (17120621)     67.33122
(17021408)     52.70103 (16010421)     51.13490 (17122518)
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 3602097.5 |     42.43373 (15021419)     40.47182 (17010406)     52.64128
(17120621)     49.99426 (17021408)     82.77168 (15011201)
 3601847.5 |     36.32584 (17011319)     36.66002 (15022808)     34.75736
(16121008)     43.92024 (15020908)     40.37388 (16121022)
 3601597.5 |     31.18608 (16122021)     37.81493 (15022808)     28.05891
(17010406)     35.88936 (17120621)     37.54127 (17021408)
 3601347.5 |     28.13059 (17031208)     29.82540 (15022808)     24.72135
(16121220)     25.12628 (16121008)     31.85863 (15020908)
 3601097.5 |     24.28090 (17031208)     23.58181 (17011319)     29.82448
(15022808)     21.49654 (16092807)     26.29296 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 746
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP13     ***
                                INCLUDING SOURCE(S):     TP13        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.06432 (16092207)      8.89433 (17121809)      7.19165
(17121809)      6.08601 (17032908)
 3605847.5 |      9.75544 (17121809)      7.82850 (17121809)      6.67302
(17032908)      6.49694 (15082707)
 3605597.5 |      8.59866 (17121809)      7.32469 (17032908)      6.81029
(15082707)      4.56741 (15082707)
 3605347.5 |      8.16600 (15082707)      6.84236 (15082707)      4.11581
(17122309)      7.19352 (17122309)
 3605097.5 |      7.02729 (16042804)      7.70060 (17122309)     11.02920
(17122309)     12.01344 (17122309)
 3604847.5 |     15.92309 (17032608)     15.52964 (16040707)     26.57780
(16040707)     31.52458 (16040707)
 3604597.5 |     38.22371 (16040707)     37.15580 (16040707)     27.15126
(16040707)     16.58662 (16040707)
 3604347.5 |     17.46192 (16040707)     11.93635 (17082707)     12.11094
(17082707)     11.66115 (17082707)
 3604097.5 |     17.51865 (16090707)     15.62333 (16090707)     13.76078
(16090707)     12.05843 (16090707)
 3603847.5 |     19.21747 (15062407)     17.47693 (15062407)     16.05418
(15062407)     14.86646 (15062407)
 3603597.5 |     19.48751 (15061907)     16.06405 (15061907)     13.48451
(15061907)     11.17494 (15061907)
 3603347.5 |     34.69287 (15091922)     13.22819 (17082908)      9.29173
(17122709)      7.14290 (17122709)
 3603097.5 |     40.39495 (15022408)     25.41905 (15022408)     11.46377
(15022408)     10.81059 (17122709)
 3602847.5 |     93.14009 (17011308)     41.16119 (16040807)     34.29168
(15022408)     26.60276 (15022408)
 3602597.5 |     62.79520 (16010101)     25.88748 (16040807)     38.93189
(16040807)     34.68588 (16040807)
 3602347.5 |     53.55322 (15013018)     69.20197 (17010220)     34.88999
(16071324)     54.08487 (17011308)
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 3602097.5 |     86.53689 (17040307)     38.69378 (17122124)     38.60184
(16122817)     36.25737 (17022804)
 3601847.5 |     68.58449 (16010601)     33.99525 (17122518)     30.70683
(17122124)     29.68550 (16122817)
 3601597.5 |     35.20673 (16121022)     30.15115 (16010601)     30.26617
(17122518)     25.07259 (17122124)
 3601347.5 |     31.70095 (17021408)     24.76721 (16121022)     25.39333
(17011224)     24.88510 (17122518)
 3601097.5 |     27.62538 (15020908)     25.56490 (17021408)     21.47854
(16010421)     23.25649 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 747
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP13     ***
                                INCLUDING SOURCE(S):     TP13        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      592.81023  (16122808)
507708.67   3603932.32      175.10065  (17011708)
        506203.59   3603369.23       38.55436  (16021602)
507919.87   3604794.52      165.21047  (15011206)
        507037.89   3604916.08       72.14446  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 748
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP14     ***
                                INCLUDING SOURCE(S):     TP14        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.61711 (15010408)     14.16629 (16020408)     16.70837
(16120805)     19.90812 (16012908)     20.96199 (17020308)
 3605847.5 |     17.07753 (15040607)     16.52357 (15040607)     16.32926
(15010408)     17.75777 (15011008)     21.92563 (16012908)
 3605597.5 |     15.84347 (15040607)     18.44135 (15040607)     20.76860
(15040607)     21.00429 (15040607)     21.60264 (15010408)
 3605347.5 |     15.97514 (17012508)     15.71213 (15011608)     16.99025
(15011608)     19.68211 (15040607)     24.24846 (15040607)
 3605097.5 |     17.36489 (16021108)     17.27801 (16122808)     18.86768
(17012508)     19.61715 (17012508)     20.71275 (15011608)
 3604847.5 |     21.58167 (15040307)     23.24469 (15040307)     23.15010
(15040307)     21.97858 (15040307)     24.12828 (16122808)
 3604597.5 |     18.48750 (17092707)     19.96652 (17092707)     21.16900
(17092707)     22.20732 (17092707)     27.58636 (15040307)
 3604347.5 |     20.27442 (16040507)     21.04982 (16040507)     21.93795
(16040507)     22.73623 (16040507)     24.50839 (16011421)
 3604097.5 |     16.19792 (17121406)     18.27601 (17011708)     19.90222
(17011708)     22.14573 (17011708)     25.01875 (17011708)
 3603847.5 |     20.53321 (17021608)     21.92887 (17021608)     24.03516
(17021608)     25.22477 (17021608)     27.53244 (17021608)
 3603597.5 |     15.12977 (15021102)     16.47542 (15021102)     18.58352
(15021102)     20.46068 (16012807)     22.33730 (16012807)
 3603347.5 |     15.44186 (17122908)     16.89308 (17122908)     18.39157
(17122908)     19.99506 (16010308)     21.72924 (17021402)
 3603097.5 |     14.79375 (17011719)     16.00942 (15012720)     17.37922
(15012720)     20.01043 (16021602)     20.73692 (16021602)
 3602847.5 |     14.03093 (16012803)     15.55747 (16012803)     17.43717
(16011702)     18.94584 (17120906)     20.64951 (15011506)
 3602597.5 |     14.26776 (17120906)     15.74593 (15092907)     20.50804
(15092907)     24.18265 (15092907)     25.61926 (15092907)
 3602347.5 |     20.02302 (15092907)     21.52491 (15092907)     20.88106
(15092907)     17.79710 (15092907)     23.27827 (17092807)
 3602097.5 |     17.01964 (15092907)     15.75256 (17092807)     21.09150
(17092807)     24.25697 (17092807)     25.98952 (15092707)
 3601847.5 |     19.30637 (17092807)     21.62669 (17092807)     21.69835
(15092707)     27.86255 (15092707)     30.14218 (15092707)
 3601597.5 |     18.84997 (15092707)     24.28378 (15092707)     26.80569
(15092707)     24.75619 (15092707)     18.19924 (15092707)
 3601347.5 |     24.32900 (15092707)     23.72828 (15092707)     19.32185
(15092707)     12.66784 (15092707)     10.81196 (17122105)
 3601097.5 |     19.73965 (15092707)     14.49036 (15092707)      9.27426
(17122302)      9.80495 (15022607)     10.58390 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 749
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP14     ***
                                INCLUDING SOURCE(S):     TP14        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.53561 (17040507)     29.71050 (17040507)     27.53468
(17020108)     26.86825 (16121408)     38.32792 (16120208)
 3605847.5 |     25.36084 (17020308)     26.47140 (17040507)     34.05418
(17040507)     30.59619 (17020108)     31.32711 (17020202)
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```
 3605597.5 |     23.37948 (15011008)     29.27814 (16012908)     33.09070
(17020308)     37.51299 (17040507)     34.05795 (15013124)
 3605347.5 |     24.94937 (15040607)     27.37653 (15010408)     30.91398
(15011008)     39.27248 (16012908)     40.47818 (17010508)
 3605097.5 |     22.62211 (15011608)     28.82173 (15040607)     31.80680
(15121608)     36.12865 (15010408)     41.90981 (16011506)
 3604847.5 |     23.47403 (17012508)     27.13126 (17012508)     31.55942
(15011608)     34.79082 (17012703)     41.85047 (15121608)
 3604597.5 |     28.11105 (15040307)     30.05918 (15040307)     31.61925
(16122808)     34.96605 (16122808)     43.19814 (17012508)
 3604347.5 |     28.10310 (16011421)     31.97672 (15122708)     34.62263
(17020524)     34.96204 (16020401)     41.80706 (15020702)
 3604097.5 |     28.58157 (17011708)     34.92409 (17011708)     38.71097
(17011708)     38.41206 (17011708)     42.11220 (17011708)
 3603847.5 |     30.44017 (17122608)     33.43515 (17122608)     35.40365
(17122608)     40.68946 (17122608)     45.83798 (17122608)
 3603597.5 |     25.47940 (16012807)     27.95637 (15011603)     31.69243
(17122908)     37.32508 (17122908)     46.26140 (17122908)
 3603347.5 |     24.18698 (17011719)     27.07431 (17011719)     30.69107
(15012720)     36.45286 (16021602)     42.64682 (16012803)
 3603097.5 |     22.97925 (16012803)     26.80685 (16011702)     29.78248
(17120906)     35.53861 (17122623)     41.68541 (16121801)
 3602847.5 |     24.51376 (15092907)     30.30910 (15092907)     30.99306
(15092907)     34.64537 (17010708)     42.50180 (17121308)
 3602597.5 |     23.66267 (15092907)     26.29880 (17092807)     33.09979
(17092807)     40.57147 (15092707)     49.73483 (15092707)
 3602347.5 |     28.47360 (17092807)     32.20289 (15092707)     40.21658
(15092707)     36.89619 (15092707)     22.24056 (17122302)
 3602097.5 |     33.00788 (15092707)     33.39977 (15092707)     25.27327
(15092707)     18.16402 (17122105)     19.93557 (15121422)
 3601847.5 |     25.44213 (15092707)     16.21822 (15092707)     15.35740
(15022607)     16.97639 (17012504)     18.21004 (16020405)
 3601597.5 |     12.29795 (17122302)     13.16257 (15012201)     14.32280
(17021905)     15.60570 (16020405)     16.33227 (15013101)
 3601347.5 |     11.72074 (15121422)     12.53148 (17021905)     13.38795
(16020405)     14.00168 (15013101)     15.06919 (17010801)
 3601097.5 |     11.24573 (17021905)     11.79919 (16020405)     12.42548
(15013101)     13.27204 (16121724)     13.98159 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 750
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP14     ***
                                 INCLUDING SOURCE(S):     TP14        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     50.71215 (16120208)     37.33794 (15121708)     54.74361
(17021308)     75.08358 (15021508)     69.70887 (17010724)
 3605847.5 |     43.38800 (16120208)     57.09008 (16120208)     49.02983
(16010908)     79.74601 (15120107)     73.48248 (15121303)
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 3605597.5 |     38.95954 (17020108)     49.20740 (16120208)     60.47634
(16120208)     88.28788 (17021107)     97.43851 (15021508)
 3605347.5 |     44.30706 (16011607)     49.92234 (17020108)     54.96787
(16120208)     63.13390 (15121708)     64.01967 (17022201)
 3605097.5 |     53.51608 (17020308)     57.91186 (15021008)     72.00404
(17020108)     76.46087 (16120208)     88.90587 (15121708)
 3604847.5 |     50.28028 (15010408)     66.17243 (16012908)     78.41201
(17020308)    105.55546 (17020108)    126.03594 (15121208)
 3604597.5 |     52.16026 (15011608)     61.04095 (15012401)     79.49763
(15010408)    117.91577 (16012908)    148.22575 (16011607)
 3604347.5 |     50.15769 (16011108)     61.44830 (16122808)     78.86457
(17012508)    104.38574 (15011608)    147.52500 (15010408)
 3604097.5 |     49.94018 (16120722)     62.18277 (16011421)     81.21148
(16011421)     99.08475 (17020524)    139.01521 (16011108)
 3603847.5 |     51.42848 (17122608)     62.43967 (17122608)     76.79611
(17122608)    100.91045 (17122608)    140.15207 (17122608)
 3603597.5 |     52.05340 (16010308)     60.33570 (17011719)     75.89216
(15012720)     91.49369 (16012803)    126.59075 (15011506)
 3603347.5 |     51.49693 (17120906)     57.38163 (17122623)     73.31021
(17121720)     99.04191 (17121308)    109.52761 (16021107)
 3603097.5 |     49.12446 (17122824)     58.91895 (17121308)     66.94416
(15092707)     59.74935 (16021107)     62.11333 (17012504)
 3602847.5 |     53.22203 (15092707)     55.33862 (15092707)     39.61541
(16011206)     44.74519 (17021905)     49.22334 (15120324)
 3602597.5 |     35.63773 (15092707)     30.63627 (15022607)     35.41617
(16121224)     37.11356 (15120324)     40.83708 (17012722)
 3602347.5 |     24.52537 (15121422)     27.05835 (16020405)     29.43142
(15013101)     32.02344 (16122704)     34.85822 (17022103)
 3602097.5 |     21.43472 (16020405)     23.48985 (15013101)     24.77966
(16021923)     27.32156 (17011624)     31.55679 (16011119)
 3601847.5 |     19.25688 (15013101)     21.14397 (17010801)     22.26240
(17012722)     27.96488 (17040807)     28.63075 (17020408)
 3601597.5 |     17.74103 (17010801)     18.70688 (16122704)     21.51090
(17040807)     22.58544 (17022603)     39.32955 (17020408)
 3601347.5 |     16.18384 (16122704)     17.04003 (17011624)     23.57324
(17040807)     23.62472 (15041007)     43.50387 (17020408)
 3601097.5 |     14.89813 (17012722)     21.05850 (17040807)     17.89472
(15041007)     28.73726 (17020408)     41.66669 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 751
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP14     ***
                                 INCLUDING SOURCE(S):     TP14        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.09134 (17070706)     43.09794 (17022408)     20.51156
(17022408)     12.67490 (16112208)     40.35192 (17032607)
 3605847.5 |     81.74159 (17021508)    102.10146 (16120908)     49.96025
(17022408)     33.00628 (15111919)     89.26250 (17032607)
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 3605597.5 |     84.66181 (17021508)     56.85153 (16021807)     59.81086
(16120106)     67.46597 (15010907)     91.60529 (17032607)
 3605347.5 |     61.96959 (15021508)     65.80755 (15022206)     72.91641
(17022408)     38.18936 (16091507)    120.82906 (17120924)
 3605097.5 |    102.19381 (15021508)    134.03258 (16012808)     42.52271
(17022408)     31.82772 (17032607)     28.96161 (17032607)
 3604847.5 |    184.10308 (17021401)    169.55015 (17010208)     90.33950
(17022408)     53.11249 (17032607)     16.69191 (15022208)
 3604597.5 |    194.74078 (15120408)    173.10858 (15021508)     69.70002
(15013009)    107.42625 (17032607)     44.18706 (16111708)
 3604347.5 |    225.80147 (17020308)    336.55611 (15120408)    242.73654
(15110524)    259.47905 (17032607)     68.15606 (15022723)
 3604097.5 |    242.76330 (17012508)    397.42823 (15010408)    914.81206
(15123008)   1293.15042 (16120120)    355.81776 (15051906)
 3603847.5 |    213.81219 (15021102)    374.14122 (17122908)   1087.02062
(16021602)   3836.49736 (15121020)    362.07796 (15012717)
 3603597.5 |    200.05291 (17010708)    243.58336 (16021107)    356.31835
(17022103)    336.13598 (17062006)    192.21193 (16013009)
 3603347.5 |    101.08804 (15121422)    125.06537 (17022221)    200.57244
(16010102)    281.56520 (17122218)     90.51271 (16011918)
 3603097.5 |     74.01485 (17010801)     96.25661 (17022103)    116.90881
(17122619)    170.39714 (16022219)    156.68731 (16121220)
 3602847.5 |     57.69894 (17011624)     81.27098 (17020408)     77.97869
(16010118)     94.56398 (16022219)     91.64019 (16022321)
 3602597.5 |     50.36716 (16011119)     78.89668 (17020408)     59.69576
(17122005)     70.25620 (17122205)     67.50439 (16122021)
 3602347.5 |     45.11442 (17020408)     56.82047 (17020408)     46.39530
(16122020)     55.39455 (17122205)     53.74883 (15020321)
 3602097.5 |     56.13804 (17020408)     35.81478 (15012823)     37.17348
(16022802)     44.33118 (17121519)     43.64624 (17121306)
 3601847.5 |     53.77066 (17020408)     30.25271 (17122619)     31.17004
(16012923)     36.94317 (17121519)     36.47272 (15021622)
 3601597.5 |     43.58275 (17020408)     25.85526 (16011319)     26.36863
(17010402)     31.47861 (17121519)     31.84588 (16112308)
 3601347.5 |     32.29134 (17020408)     22.67769 (16010118)     23.22982
(17010402)     27.22702 (15121123)     30.04370 (16112308)
 3601097.5 |     22.59036 (17111908)     20.34380 (16010118)     20.71387
(17010402)     24.09449 (15121123)     27.47099 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 752
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP14     ***
                                 INCLUDING SOURCE(S):     TP14        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     15.08715 (17032607)     12.70002 (16083007)     10.23016
(16111708)      7.76699 (17020109)      5.52492 (16092207)
 3605847.5 |     12.14078 (16010705)     64.26601 (15122821)     15.02533
(16083007)      7.44443 (15022224)      8.90244 (16092207)
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 3605597.5 |     67.19986 (15021924)     62.77489 (15052306)     34.69034
(16101307)     19.10648 (16092207)     10.85318 (17121809)
 3605347.5 |     88.57360 (15122821)     85.69681 (17032207)     77.96244
(17022521)     16.50935 (16092207)      9.33001 (17121809)
 3605097.5 |     26.88047 (16083007)     12.82493 (15022224)     21.35557
(16092207)     49.23669 (15090405)     13.77010 (15110508)
 3604847.5 |     14.52616 (17020109)     16.14882 (16092207)     11.94412
(17121809)     11.13508 (15022724)     15.25167 (15022818)
 3604597.5 |     26.81879 (16092207)     14.21219 (17032908)      9.86496
(15082707)     20.95806 (17032608)     26.96016 (16040707)
 3604347.5 |     38.34433 (15022724)     28.44438 (17032608)     47.89502
(16040707)     51.88488 (16040707)     32.59119 (16040707)
 3604097.5 |    192.82983 (16040707)     44.79132 (16040707)     25.17472
(16020417)     21.07994 (17091207)     19.33458 (16090707)
 3603847.5 |    136.71695 (17012817)     68.27848 (15012017)     31.51042
(15012317)     23.99808 (15062407)     21.74267 (17042907)
 3603597.5 |    111.26821 (16040807)     48.64409 (15022408)     40.31217
(17122709)     28.15323 (16121017)     22.30124 (15020117)
 3603347.5 |     73.17218 (16013009)     54.89752 (16041107)    138.66464
(16040807)     47.95436 (15022408)     77.34011 (15012119)
 3603097.5 |     51.13005 (17010522)    204.13652 (17040307)    121.78992
(16121203)    144.69793 (17011308)    131.99066 (16121122)
 3602847.5 |    163.42622 (17120621)     93.72785 (16121022)     81.99877
(17122518)     90.38465 (16122817)     69.57610 (17022804)
 3602597.5 |     67.35048 (16121220)     81.88382 (15020908)     67.19846
(16010421)     67.73760 (17122518)     65.80960 (15013018)
 3602347.5 |     51.46811 (15022808)     53.93037 (17120621)     66.86240
(17021408)     52.28748 (16010421)     51.11846 (17122518)
 3602097.5 |     42.12932 (15021419)     40.20080 (17010406)     52.31733
(17120621)     49.98741 (17021408)     81.88357 (15011201)
 3601847.5 |     36.11141 (17011319)     36.59549 (15022808)     34.55608
(16121008)     43.67707 (15020908)     40.12913 (16121022)
 3601597.5 |     31.01597 (16122021)     37.70186 (15022808)     27.91951
(17010406)     35.62123 (17120621)     37.30599 (17021408)
 3601347.5 |     28.07004 (17031208)     29.75324 (15022808)     24.59744
(16121220)     24.99745 (16121008)     31.61055 (15020908)
 3601097.5 |     24.28357 (17031208)     23.47431 (17011319)     29.76741
(15022808)     21.42443 (16092807)     26.09427 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 753
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP14     ***
                                 INCLUDING SOURCE(S):     TP14        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.03750 (16092207)      8.90245 (17121809)      7.07263
(17121809)      6.11544 (17032908)
 3605847.5 |      9.77988 (17121809)      7.68618 (17121809)      6.68900
(17032908)      6.47127 (15082707)
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 3605597.5 |      8.42407 (17121809)      7.31721 (17032908)      6.72989
(15082707)      4.41315 (15082707)
 3605347.5 |      8.23666 (15082707)      6.68678 (15082707)      4.37839
(17122309)      7.48297 (17122309)
 3605097.5 |      7.24231 (16042804)      8.09101 (17122309)     11.29330
(17122309)     12.04823 (17122309)
 3604847.5 |     16.73401 (17032608)     16.89723 (16040707)     27.72418
(16040707)     31.81548 (16040707)
 3604597.5 |     39.23913 (16040707)     36.55559 (16040707)     25.89061
(16040707)     15.45261 (16040707)
 3604347.5 |     15.74134 (16040707)     12.23688 (17082707)     12.25267
(17082707)     11.68145 (17082707)
 3604097.5 |     17.43760 (16090707)     15.39070 (16090707)     13.45798
(16090707)     11.73183 (16090707)
 3603847.5 |     19.32828 (17042907)     17.45990 (15062407)     16.06137
(15062407)     14.88876 (15062407)
 3603597.5 |     18.88701 (15061907)     15.80478 (15061907)     13.43811
(15061907)     11.24421 (15061907)
 3603347.5 |     34.35344 (15091922)     13.39709 (16011417)      9.49912
(17122709)      7.34996 (17122709)
 3603097.5 |     40.68438 (15022408)     26.59108 (15022408)     12.34575
(15022408)     10.79246 (17122709)
 3602847.5 |     94.52553 (17011308)     41.77626 (16040807)     34.19491
(15022408)     27.28681 (15022408)
 3602597.5 |     62.25514 (16010101)     24.74941 (16040807)     38.41957
(16040807)     35.17056 (16040807)
 3602347.5 |     53.29396 (17122124)     69.29997 (17010220)     34.57936
(16071324)     53.97913 (17011308)
 3602097.5 |     84.93853 (17040307)     38.61239 (17122124)     38.57344
(16122817)     36.19433 (17022804)
 3601847.5 |     68.18962 (16010601)     33.97347 (17122518)     30.54820
(17122124)     29.52564 (16122817)
 3601597.5 |     35.16008 (16121022)     30.06147 (16010601)     30.24577
(17122518)     24.88696 (17122124)
 3601347.5 |     31.63695 (17021408)     24.80469 (16121022)     25.23529
(17011224)     24.86667 (17122518)
 3601097.5 |     27.52070 (15020908)     25.59938 (17021408)     21.27899
(16010421)     23.15382 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 754
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP14     ***
                                INCLUDING SOURCE(S):     TP14        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      583.01023  (16011108)
507708.67   3603932.32      174.44037  (17011708)
        506203.59   3603369.23       38.43733  (16021602)
507919.87   3604794.52      166.42691  (15011206)
        507037.89   3604916.08       72.18821  (15021008)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 755
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP15     ***
                                INCLUDING SOURCE(S):     TP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.63859 (15010408)     14.21728 (16020408)     16.58126
(16120805)     19.86242 (16012908)     21.05989 (17020308)
 3605847.5 |     17.11832 (15040607)     16.66333 (15040607)     16.35091
(15010408)     17.58095 (15011008)     21.61369 (16012908)
 3605597.5 |     15.68073 (15040607)     18.34263 (15040607)     20.77623
(15040607)     21.15789 (15040607)     21.60318 (15010408)
 3605347.5 |     15.94583 (17012508)     15.58810 (15011608)     16.99432
(15011608)     19.51179 (15040607)     24.19432 (15040607)
 3605097.5 |     17.59625 (16021108)     17.32755 (16122808)     18.69805
(17012508)     19.58542 (17012508)     20.56297 (15011608)
 3604847.5 |     21.39798 (15040307)     23.17159 (15040307)     23.23005
(15040307)     22.22864 (15040307)     24.11478 (16122808)
 3604597.5 |     18.32569 (17092707)     19.86293 (17092707)     21.14951
(17092707)     22.30005 (17092707)     27.18437 (15040307)
 3604347.5 |     20.21401 (16040507)     21.03469 (16040507)     21.98020
(16040507)     22.85216 (16040507)     24.33928 (16011421)
 3604097.5 |     16.11751 (17121406)     18.11426 (17011708)     19.73841
(17011708)     21.97617 (17011708)     24.84246 (17011708)
 3603847.5 |     20.54536 (17021608)     21.93490 (17021608)     24.03023
(17021608)     25.21176 (17021608)     27.50266 (17021608)
 3603597.5 |     15.08854 (15021102)     16.41363 (15021102)     18.48687
(15021102)     20.40467 (16012807)     22.24445 (16012807)
 3603347.5 |     15.38810 (17122908)     16.80991 (17122908)     18.30344
(16010308)     19.88700 (16010308)     21.63093 (17021402)
 3603097.5 |     14.73584 (17011719)     15.96038 (15012720)     17.29348
(15012720)     19.91207 (16021602)     20.59142 (16021602)
 3602847.5 |     14.00294 (16012803)     15.49873 (16012803)     17.36938
(16011702)     18.87107 (17120906)     20.56045 (15011506)
 3602597.5 |     14.21052 (17120906)     15.78509 (15092907)     20.51498
(15092907)     24.13963 (15092907)     25.52017 (15092907)
 3602347.5 |     19.99944 (15092907)     21.46440 (15092907)     20.78989
(15092907)     17.69485 (15092907)     23.23702 (17092807)
 3602097.5 |     16.94105 (15092907)     15.74522 (17092807)     21.05484
(17092807)     24.19222 (17092807)     25.91060 (15092707)
 3601847.5 |     19.27366 (17092807)     21.57410 (17092807)     21.64194
(15092707)     27.78284 (15092707)     30.06438 (15092707)
 3601597.5 |     18.80547 (15092707)     24.22008 (15092707)     26.74049
(15092707)     24.71485 (15092707)     18.19796 (15092707)
 3601347.5 |     24.27150 (15092707)     23.68422 (15092707)     19.30678
(15092707)     12.68109 (15092707)     10.77527 (17122105)
 3601097.5 |     19.71569 (15092707)     14.49143 (15092707)      9.24379
(17122302)      9.76983 (15022607)     10.54502 (15121422)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 756
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP15     ***
                                 INCLUDING SOURCE(S):     TP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.13797 (17040507)     29.95259 (17040507)     27.33548
(17020108)     26.61579 (17020202)     37.35955 (16120208)
 3605847.5 |     25.20016 (17020308)     25.79769 (17040507)     34.02182
(17040507)     30.18820 (17020108)     31.49103 (17020108)
 3605597.5 |     23.15479 (15011008)     28.95812 (16012908)     33.11591
(17020308)     37.02549 (17040507)     33.99850 (15013124)
 3605347.5 |     25.10160 (15040607)     27.36354 (15010408)     30.65931
(15011008)     39.07697 (16012908)     40.59242 (17020308)
 3605097.5 |     22.69879 (15011608)     28.64502 (15040607)     31.48213
(15121608)     36.08511 (15010408)     41.27564 (16011506)
 3604847.5 |     23.21337 (17012508)     27.06300 (17012508)     31.32907
(15011608)     34.62739 (17121424)     41.18280 (15121608)
 3604597.5 |     27.92047 (15040307)     30.13313 (15040307)     31.45891
(16122808)     35.12371 (16122808)     42.96722 (17012508)
 3604347.5 |     27.99201 (16011421)     31.77587 (15122708)     34.35795
(17020524)     34.73020 (16020401)     41.53368 (15020702)
 3604097.5 |     28.40169 (17011708)     34.73186 (17011708)     38.55971
(17011708)     38.39659 (17011708)     42.25152 (17011708)
 3603847.5 |     30.17288 (17122608)     33.11756 (17122608)     35.05339
(17122608)     40.24072 (17122608)     45.28959 (17122608)
 3603597.5 |     25.32175 (16012807)     27.83812 (15011603)     31.60164
(17122908)     37.11190 (17122908)     45.80888 (17122908)
 3603347.5 |     24.09161 (17011719)     26.89688 (15012720)     30.47529
(15012720)     36.15074 (16021602)     42.33442 (16012803)
 3603097.5 |     22.87040 (16012803)     26.65264 (16011702)     29.58287
(17120906)     35.29853 (17122623)     41.37916 (16121801)
 3602847.5 |     24.52150 (15092907)     30.22640 (15092907)     30.82257
(15092907)     34.44171 (17010708)     42.19861 (17121308)
 3602597.5 |     23.52498 (15092907)     26.25071 (17092807)     32.98325
(17092807)     40.39101 (15092707)     49.51198 (15092707)
 3602347.5 |     28.38473 (17092807)     32.08444 (15092707)     40.06284
(15092707)     36.80365 (15092707)     22.11160 (17122302)
 3602097.5 |     32.90031 (15092707)     33.31273 (15092707)     25.25673
(15092707)     18.07460 (17122105)     19.83512 (15121422)
 3601847.5 |     25.40824 (15092707)     16.23616 (15092707)     15.28700
(15022607)     16.89065 (17012504)     18.11802 (16020405)
 3601597.5 |     12.25391 (17122302)     13.10517 (15012201)     14.26029
(17012504)     15.53984 (16020405)     16.23035 (15013101)
 3601347.5 |     11.66750 (15121422)     12.47730 (17021905)     13.34079
(16020405)     13.91674 (15013101)     14.97504 (17010801)
 3601097.5 |     11.20566 (17021905)     11.76370 (16020405)     12.35140
(15013101)     13.21355 (16121724)     13.92081 (16022007)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 757
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP15     ***
                                 INCLUDING SOURCE(S):     TP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     51.00704 (16120208)     37.58029 (15121708)     52.37844
(17021308)     75.42112 (15021508)     69.57967 (17010724)
 3605847.5 |     42.25146 (16120208)     57.71798 (16120208)     48.73691
(16010908)     80.39128 (15120107)     73.02637 (16040801)
 3605597.5 |     39.50284 (17020108)     47.87085 (16120208)     61.62817
(16120208)     87.69841 (17021107)     97.81077 (15021508)
 3605347.5 |     44.13527 (16011607)     50.32319 (17020108)     53.42501
(16120208)     62.19179 (16120708)     64.75854 (15122808)
 3605097.5 |     53.25080 (17020308)     58.04885 (15021008)     71.73080
(17020108)     74.15370 (16120208)     89.02767 (15121708)
 3604847.5 |     50.16386 (15010408)     64.70919 (16012908)     79.55088
(17020308)    103.44213 (17020108)    124.97620 (15121208)
 3604597.5 |     51.88750 (15011608)     60.49553 (15012401)     79.12841
(15010408)    116.72279 (16012908)    147.61424 (16011607)
 3604347.5 |     49.58782 (16011108)     61.19236 (16122808)     78.06194
(17012508)    104.76723 (15011608)    146.11953 (15010408)
 3604097.5 |     49.68228 (16120722)     61.57124 (16120722)     80.61474
(16011421)     98.10054 (17020524)    136.00629 (17013020)
 3603847.5 |     50.77946 (17122608)     61.50382 (17122608)     75.42680
(17122608)     98.59807 (17122608)    135.83618 (17122608)
 3603597.5 |     51.52100 (16010308)     59.83605 (17011719)     75.17137
(16021602)     90.48098 (16012803)    124.63876 (15011506)
 3603347.5 |     51.10748 (17120906)     56.89223 (17122623)     72.57014
(17121720)     97.88773 (17121308)    108.11509 (16021107)
 3603097.5 |     48.70487 (17122824)     58.41032 (17121308)     66.51912
(15092707)     59.35405 (16021107)     61.44775 (17012504)
 3602847.5 |     52.92744 (15092707)     55.10776 (15092707)     39.27057
(16011206)     44.36696 (17021905)     48.79066 (15120324)
 3602597.5 |     35.59613 (15092707)     30.42921 (15022607)     35.13829
(16121224)     36.76403 (15120324)     40.36564 (17012722)
 3602347.5 |     24.35359 (15121422)     26.86150 (16121224)     29.23423
(15013101)     31.74028 (16122704)     34.27131 (17022103)
 3602097.5 |     21.30405 (16020405)     23.33557 (15013101)     24.66051
(16021923)     27.10703 (17011624)     31.44670 (16011119)
 3601847.5 |     19.13400 (15013101)     21.05863 (17010801)     22.13675
(17012722)     27.84877 (17040807)     28.05639 (15041007)
 3601597.5 |     17.64592 (17010801)     18.65646 (16122704)     21.08424
(17040807)     22.44276 (17022603)     38.46753 (17020408)
 3601347.5 |     16.09681 (16122704)     16.96683 (16120304)     23.62391
(17040807)     23.44740 (15041007)     43.07929 (17020408)
 3601097.5 |     14.84816 (17012722)     20.82130 (17040807)     17.74431
(17022603)     28.03987 (17020408)     41.68388 (17020408)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 758
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP15     ***
                                 INCLUDING SOURCE(S):     TP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.55292 (17070706)     41.57128 (17022408)     21.33911
(17022408)     13.13801 (16112208)     40.00217 (17032607)
 3605847.5 |     82.73192 (17021508)    104.27236 (16120908)     51.67938
(17022408)     33.64072 (15111919)     89.66343 (17032607)
 3605597.5 |     82.22999 (17021508)     58.08999 (16021807)     60.37409
(16120106)     67.88139 (15010907)     93.66570 (17032607)
 3605347.5 |     64.67509 (15021508)     67.47017 (17021508)     73.87345
(17022408)     36.54548 (16091507)    123.46933 (17120924)
 3605097.5 |    101.25741 (15021508)    134.02927 (16012808)     42.19181
(17022408)     28.95782 (17032607)     31.66224 (17032607)
 3604847.5 |    188.16949 (16010908)    169.49148 (15121303)     86.29542
(17022408)     48.77205 (17032607)     16.52787 (15022208)
 3604597.5 |    191.06186 (15121208)    165.27505 (15021508)     68.92112
(15013009)    100.97114 (17032607)     44.46118 (16111708)
 3604347.5 |    229.63962 (17020308)    329.78349 (15120408)    247.23459
(16011719)    260.34224 (17032607)     70.90682 (15022723)
 3604097.5 |    235.49579 (17012508)    389.52341 (15121608)    903.95484
(15120408)   1336.97835 (16120120)    371.94396 (15051906)
 3603847.5 |    210.34653 (15021102)    367.95618 (17122908)   1016.65616
(16021602)   3604.75966 (16121203)    361.34670 (15012717)
 3603597.5 |    196.31007 (17010708)    239.28043 (16021107)    335.57655
(17022103)    337.42428 (16021308)    169.28028 (16013009)
 3603347.5 |     99.35189 (15121422)    122.95223 (17010801)    197.48606
(16010102)    277.89445 (17122218)     95.91405 (17012108)
 3603097.5 |     72.88096 (17010801)     95.28650 (17022103)    115.54342
(15012823)    170.65005 (16022219)    157.03680 (15011507)
 3602847.5 |     57.06328 (17011624)     78.43662 (17020408)     76.74555
(15022601)     93.93758 (17122205)     91.18248 (16022321)
 3602597.5 |     49.99828 (16011119)     78.80498 (17020408)     59.25168
(17122005)     69.90563 (17122205)     67.10584 (16122021)
 3602347.5 |     43.44112 (17020408)     58.07064 (17020408)     46.22931
(16122020)     54.86245 (17122205)     53.47490 (16121418)
 3602097.5 |     55.21900 (17020408)     36.90557 (17020408)     37.05323
(16022802)     44.24144 (17121519)     43.54328 (17121306)
 3601847.5 |     53.77171 (17020408)     30.12228 (17122619)     31.01298
(16012923)     36.78270 (17121519)     36.31439 (15021622)
 3601597.5 |     44.14589 (17020408)     25.80526 (16011319)     26.31412
(16012923)     31.39315 (15121123)     32.04429 (16112308)
 3601347.5 |     33.03324 (17020408)     22.49105 (16010118)     23.13012
(17010402)     27.27361 (15121123)     30.01316 (16112308)
 3601097.5 |     22.81935 (17020408)     20.29541 (16010118)     20.68043
(17010402)     24.10680 (15121123)     27.29524 (16112308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 759
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP15     ***
                                 INCLUDING SOURCE(S):     TP15        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.10344 (17032607)     12.46200 (16083007)     10.30873
(16111708)      7.80206 (17020109)      5.42542 (16092207)
 3605847.5 |     12.26458 (16010705)     64.97516 (15122821)     15.29140
(16083007)      7.47445 (15022224)      8.90954 (16092207)
 3605597.5 |     68.36247 (15021924)     63.38301 (15052306)     34.90086
(16101307)     19.02065 (16092207)     10.87404 (17121809)
 3605347.5 |     89.68740 (15033023)     86.47579 (17032207)     79.99853
(17022521)     16.83044 (16092207)      9.42723 (17121809)
 3605097.5 |     27.01219 (16083007)     12.94671 (15022224)     21.74489
(16092207)     49.87329 (15090405)     13.80472 (15110508)
 3604847.5 |     15.23902 (16111708)     16.44840 (16092207)     12.12193
(17121809)     11.32251 (15022724)     15.43482 (15022818)
 3604597.5 |     27.14758 (16092207)     14.27778 (17032908)      9.97607
(15082707)     21.20297 (17032608)     27.24791 (16040707)
 3604347.5 |     38.59474 (15082707)     28.69516 (17032608)     48.51294
(16040707)     52.01378 (16040707)     32.32684 (16040707)
 3604097.5 |    195.13489 (16040707)     45.43906 (17082707)     25.85175
(16020417)     21.42707 (17091207)     19.46584 (16090707)
 3603847.5 |    150.21571 (17012817)     68.00575 (15012317)     32.61970
(15012317)     23.95386 (15062407)     22.04242 (17042907)
 3603597.5 |    113.69817 (16040807)     53.21811 (15022408)     40.90782
(17122709)     27.88235 (16121017)     22.79419 (15020117)
 3603347.5 |     65.35432 (16013009)     57.41155 (16041107)    141.55007
(16040807)     49.39715 (15022408)     78.80699 (15012119)
 3603097.5 |     53.58182 (16021820)    197.53625 (17040307)    122.72194
(16121203)    145.64137 (17011308)    130.52888 (16121122)
 3602847.5 |    127.30761 (17120621)     93.87866 (16121022)     82.86059
(17122518)     90.28968 (16122817)     70.96340 (17022804)
 3602597.5 |     67.69515 (16121220)     81.02854 (15020908)     67.02112
(15021604)     68.18431 (17122518)     65.36862 (15013018)
 3602347.5 |     51.54074 (15022808)     51.64559 (17120621)     66.52842
(17021408)     51.90381 (16010421)     51.37888 (17122518)
 3602097.5 |     41.85196 (15021419)     39.92906 (17010406)     52.09656
(17120621)     50.69730 (17021408)     80.44356 (15011201)
 3601847.5 |     36.02689 (15011921)     37.62687 (15022808)     34.35470
(16121008)     43.56348 (15020908)     39.79988 (16121022)
 3601597.5 |     30.91202 (16122021)     37.41714 (15022808)     27.87165
(17010406)     35.14046 (17120621)     37.04567 (17021408)
 3601347.5 |     27.85872 (17031208)     28.74968 (15022808)     24.94172
(15022808)     24.82324 (16121008)     31.18750 (17120621)
 3601097.5 |     23.90084 (16121418)     23.49398 (17011319)     30.12432
(15022808)     21.26125 (17010406)     25.59976 (17120621)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 760
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP15     ***
                                INCLUDING SOURCE(S):     TP15        ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.07350 (16092207)      8.92421 (17121809)      7.12524
(17121809)      6.12324 (17032908)
 3605847.5 |      9.80190 (17121809)      7.74908 (17121809)      6.70276
(17032908)      6.49059 (15082707)
 3605597.5 |      8.50108 (17121809)      7.33967 (17032908)      6.75936
(15082707)      4.44118 (15082707)
 3605347.5 |      8.25099 (15082707)      6.72709 (15082707)      4.38113
(17122309)      7.50020 (17122309)
 3605097.5 |      7.27856 (16042804)      8.11060 (17122309)     11.32893
(17122309)     12.07905 (17122309)
 3604847.5 |     16.80368 (17032608)     17.05340 (16040707)     27.91496
(16040707)     31.92534 (16040707)
 3604597.5 |     39.48254 (16040707)     36.57282 (16040707)     25.75469
(16040707)     15.29086 (16040707)
 3604347.5 |     15.47312 (16040707)     12.35182 (17082707)     12.32381
(17082707)     11.71488 (17082707)
 3604097.5 |     17.45892 (16090707)     15.34810 (16090707)     13.38120
(16090707)     11.63899 (16090707)
 3603847.5 |     19.70762 (17042907)     17.49192 (15062407)     16.09877
(15062407)     14.92854 (15062407)
 3603597.5 |     18.56979 (15061907)     15.75583 (15061907)     13.49102
(15061907)     11.34463 (15061907)
 3603347.5 |     34.69930 (15091922)     13.61658 (16011417)      9.68177
(17122709)      7.52164 (17122709)
 3603097.5 |     41.03112 (15022408)     27.76607 (15022408)     13.20447
(15022408)     10.80501 (17122709)
 3602847.5 |     96.96446 (17011308)     42.53325 (16040807)     34.14907
(15022408)     27.99153 (15022408)
 3602597.5 |     62.60545 (16010101)     23.48375 (16040807)     37.91351
(16040807)     35.76495 (16040807)
 3602347.5 |     53.83228 (17122124)     70.14063 (17010220)     34.52624
(16071324)     54.67741 (17011308)
 3602097.5 |     82.68404 (17040307)     38.61068 (17122124)     38.66048
(16122817)     36.24067 (17022804)
 3601847.5 |     67.48698 (16010601)     34.08720 (17122518)     30.39415
(17122124)     29.36581 (16122817)
 3601597.5 |     35.28065 (16121022)     30.06392 (16010601)     30.32083
(17122518)     24.67660 (17122124)
 3601347.5 |     31.79810 (17021408)     25.15434 (16121022)     25.17591
(16010601)     24.92520 (17122518)
 3601097.5 |     27.54380 (15020908)     25.95648 (17021408)     20.96917
(16010421)     23.03954 (17011224)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 761
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP15     ***
                                INCLUDING SOURCE(S):     TP15        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      566.24326  (16020401)
507708.67   3603932.32      170.28105  (17011708)
        506203.59   3603369.23       38.11670  (16021602)
507919.87   3604794.52      168.65975  (15011206)
        507037.89   3604916.08       71.28367  (17010508)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 762
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP16     ***
                                INCLUDING SOURCE(S):     TP16        ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.64336 (15010408)     14.23423 (16020408)     16.52137
(16120805)     19.83467 (16012908)     21.09218 (17020308)
 3605847.5 |     17.13163 (15040607)     16.71803 (15040607)     16.35409
(15010408)     17.58130 (16020408)     21.47310 (16012908)
 3605597.5 |     15.61062 (15040607)     18.29766 (15040607)     20.77407
(15040607)     21.21617 (15040607)     21.59367 (15010408)
 3605347.5 |     15.92863 (17012508)     15.57738 (17012508)     16.98973
(15011608)     19.43661 (15040607)     24.16455 (15040607)
 3605097.5 |     17.68343 (16021108)     17.34154 (16122808)     18.62225
(17012508)     19.56520 (17012508)     20.49285 (15011608)
 3604847.5 |     21.31808 (15040307)     23.13454 (15040307)     23.25408
(15040307)     22.32180 (15040307)     24.09857 (16122808)
 3604597.5 |     18.25665 (17092707)     19.81579 (17092707)     21.13463
(17092707)     22.32875 (17092707)     27.01343 (15040307)
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 3604347.5 |     20.18474 (16040507)     21.02242 (16040507)     21.98954
(16040507)     22.88950 (16040507)     24.26179 (16011421)
 3604097.5 |     16.08119 (17121406)     18.06040 (17121406)     19.66824
(17011708)     21.90228 (17011708)     24.76378 (17011708)
 3603847.5 |     20.54382 (17021608)     21.93018 (17021608)     24.01997
(17021608)     25.19761 (17021608)     27.48043 (17021608)
 3603597.5 |     15.06770 (15021102)     16.38455 (15021102)     18.44357
(15021102)     20.37427 (16012807)     22.19956 (16012807)
 3603347.5 |     15.36301 (17122908)     16.77358 (17122908)     18.27050
(16010308)     19.83969 (16010308)     21.58525 (17021402)
 3603097.5 |     14.70987 (17011719)     15.93629 (15012720)     17.25657
(15012720)     19.86814 (16021602)     20.53267 (16021602)
 3602847.5 |     13.98662 (16012803)     15.47193 (16012803)     17.33765
(16011702)     18.83586 (17120906)     20.51935 (15011506)
 3602597.5 |     14.18575 (17120906)     15.78529 (15092907)     20.50323
(15092907)     24.11364 (15092907)     25.48227 (15092907)
 3602347.5 |     19.98258 (15092907)     21.43911 (15092907)     20.76047
(15092907)     17.66834 (15092907)     23.20110 (17092807)
 3602097.5 |     16.91851 (15092907)     15.72491 (17092807)     21.02601
(17092807)     24.16277 (17092807)     25.85324 (15092707)
 3601847.5 |     19.24990 (17092807)     21.55077 (17092807)     21.59831
(15092707)     27.73789 (15092707)     30.03742 (15092707)
 3601597.5 |     18.76973 (15092707)     24.18164 (15092707)     26.71345
(15092707)     24.71207 (15092707)     18.22044 (15092707)
 3601347.5 |     24.24454 (15092707)     23.67429 (15092707)     19.31803
(15092707)     12.70616 (15092707)     10.76042 (17122105)
 3601097.5 |     19.71847 (15092707)     14.50883 (15092707)      9.23105
(17122302)      9.75458 (15022607)     10.52804 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 763
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP16     ***
                                INCLUDING SOURCE(S):     TP16        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.95701 (17040507)     30.04079 (17040507)     27.23433
(17020108)     26.60750 (17020202)     36.92463 (16120208)
 3605847.5 |     25.11973 (17020308)     25.50214 (17040507)     33.98754
(17040507)     29.99459 (17020108)     31.70947 (17020108)
 3605597.5 |     23.04958 (15011008)     28.80705 (16012908)     33.10567
(17020308)     36.79402 (17040507)     33.94512 (15013124)
 3605347.5 |     25.15675 (15040607)     27.34319 (15010408)     30.53412
(15011008)     38.96555 (16012908)     40.79191 (17020308)
 3605097.5 |     22.71958 (15011608)     28.56155 (15040607)     31.32956
(15121608)     36.04223 (15010408)     40.97786 (16011506)
 3604847.5 |     23.09785 (17012508)     27.02213 (17012508)     31.21569
(15011608)     34.59419 (17121424)     40.87788 (15121608)
 3604597.5 |     27.83196 (15040307)     30.14789 (15040307)     31.37785
(16122808)     35.16686 (16122808)     42.84286 (17012508)
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 3604347.5 |     27.93398 (16011421)     31.67818 (15122708)     34.23290
(17020524)     34.61789 (16020401)     41.39489 (15020702)
 3604097.5 |     28.31857 (17011708)     34.63808 (17011708)     38.47741
(17011708)     38.36757 (17011708)     42.27845 (17011708)
 3603847.5 |     30.05683 (17122608)     32.98007 (17122608)     34.90249
(17122608)     40.04796 (17122608)     45.05510 (17122608)
 3603597.5 |     25.25094 (16012807)     27.77908 (15011603)     31.54893
(17122908)     37.01032 (17122908)     45.61234 (17122908)
 3603347.5 |     24.04446 (17011719)     26.84423 (15012720)     30.38186
(15012720)     36.02173 (16021602)     42.19154 (16012803)
 3603097.5 |     22.82063 (16012803)     26.58389 (16011702)     29.49794
(17120906)     35.19098 (17122623)     41.24078 (16121801)
 3602847.5 |     24.50495 (15092907)     30.18319 (15092907)     30.76344
(15092907)     34.33886 (17010708)     42.05549 (17121308)
 3602597.5 |     23.48430 (15092907)     26.20333 (17092807)     32.92696
(17092807)     40.27766 (15092707)     49.42542 (15092707)
 3602347.5 |     28.34321 (17092807)     32.00445 (15092707)     39.99259
(15092707)     36.79661 (15092707)     22.05594 (17122302)
 3602097.5 |     32.84500 (15092707)     33.29132 (15092707)     25.28474
(15092707)     18.03692 (17122105)     19.79265 (15121422)
 3601847.5 |     25.41716 (15092707)     16.27236 (15092707)     15.25680
(15022607)     16.85258 (17012504)     18.07747 (16020405)
 3601597.5 |     12.23669 (17122302)     13.07968 (15012201)     14.23789
(17012504)     15.51169 (16020405)     16.18237 (15013101)
 3601347.5 |     11.64273 (15121422)     12.45295 (17021905)     13.32130
(16020405)     13.87634 (15013101)     14.93049 (17010801)
 3601097.5 |     11.18853 (17021905)     11.74957 (16020405)     12.31588
(15013101)     13.18708 (16121724)     13.89332 (16022007)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 764
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP16     ***
                                INCLUDING SOURCE(S):     TP16        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     51.10370 (16120208)     37.65364 (15121708)     51.28874
(17021308)     75.49328 (15021508)     69.40519 (17010724)
 3605847.5 |     41.73814 (16120208)     57.95048 (16120208)     48.55401
(16010908)     80.51746 (15120107)     73.14515 (16040801)
 3605597.5 |     39.70500 (17020108)     47.26256 (16120208)     62.08149
(16120208)     88.02981 (16010908)     97.85154 (15021508)
 3605347.5 |     44.02122 (16011607)     50.44415 (17020108)     52.71492
(16120208)     61.71967 (16120708)     65.22918 (15122808)
 3605097.5 |     53.08839 (17020308)     58.04186 (15021008)     71.51939
(17020108)     73.07725 (16120208)     88.90662 (15121708)
 3604847.5 |     50.06997 (15010408)     64.02560 (16012908)     79.92707
(17020308)    102.36856 (17020108)    124.21281 (15121208)
 3604597.5 |     51.72760 (15011608)     60.20342 (15012401)     78.87052
(15010408)    116.00345 (16012908)    146.99586 (16011607)
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 3604347.5 |     49.31928 (16011108)     61.03313 (16122808)     77.64604
(17012508)    104.74378 (15011608)    145.20934 (15010408)
 3604097.5 |     49.54424 (16120722)     61.51001 (16120722)     80.28797
(16011421)     97.57710 (17020524)    134.83897 (17013020)
 3603847.5 |     50.50343 (17122608)     61.10784 (17122608)     74.85121
(17122608)     97.63468 (17122608)    134.06107 (17122608)
 3603597.5 |     51.28935 (16010308)     59.60104 (17011719)     74.84989
(16021602)     90.01445 (16012803)    123.79464 (15011506)
 3603347.5 |     50.92362 (17120906)     56.66803 (17122623)     72.23012
(17121720)     97.30786 (17121308)    107.50348 (16021107)
 3603097.5 |     48.52362 (17122824)     58.16386 (17121308)     66.29523
(15092707)     59.29205 (16021107)     61.16018 (17012504)
 3602847.5 |     52.75747 (15092707)     55.04932 (15092707)     39.11833
(16011206)     44.20454 (17021905)     48.59793 (15120324)
 3602597.5 |     35.63466 (15092707)     30.34207 (15022607)     35.01505
(16121224)     36.60162 (15120324)     40.14128 (17012722)
 3602347.5 |     24.27430 (15121422)     26.79691 (16121224)     29.14668
(15013101)     31.60763 (16122704)     33.98665 (17022103)
 3602097.5 |     21.24484 (16020405)     23.26524 (15013101)     24.60882
(16021923)     27.05628 (16120304)     31.39730 (16011119)
 3601847.5 |     19.07693 (15013101)     21.02291 (17010801)     22.07924
(17012722)     27.78552 (17040807)     27.96713 (15041007)
 3601597.5 |     17.60257 (17010801)     18.63670 (16122704)     20.86823
(17040807)     22.37462 (17022603)     38.04844 (17020408)
 3601347.5 |     16.05664 (16122704)     16.94610 (16120304)     23.64704
(17040807)     23.35986 (15041007)     42.86919 (17020408)
 3601097.5 |     14.82648 (17012722)     20.70067 (17040807)     17.70122
(17022603)     27.70266 (17020408)     41.68796 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 765
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP16     ***
                                 INCLUDING SOURCE(S):     TP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     36.69254 (17070706)     40.84649 (17022408)     21.71086
(17022408)     13.34611 (16112208)     39.79651 (17032607)
 3605847.5 |     83.06426 (17021508)    105.07333 (16120908)     52.43051
(17022408)     33.87304 (15111919)     89.75095 (17032607)
 3605597.5 |     81.01904 (17021508)     58.57573 (16021807)     60.55881
(16120106)     67.99766 (15010907)     94.53921 (17032607)
 3605347.5 |     65.83098 (15021508)     68.82364 (17021508)     74.18569
(17022408)     35.73417 (16091507)    124.40766 (17120924)
 3605097.5 |    100.66849 (15021508)    133.46788 (16012808)     41.94020
(17022408)     27.89179 (16112208)     32.98440 (17032607)
 3604847.5 |    189.65897 (16120708)    168.70073 (15121303)     84.22071
(17022408)     46.67342 (17032607)     16.36737 (15022208)
 3604597.5 |    190.12587 (15121208)    161.24217 (15021508)     68.12716
(15013009)     97.49568 (17032607)     44.46024 (16111708)
```

```
 3604347.5 |    230.44583 (17020308)    324.84162 (15120408)    250.47687
(16011719)    287.94163 (17032607)     71.88701 (15022723)
 3604097.5 |    233.54095 (16122808)    385.59067 (15121608)    896.46896
(15120408)   1334.99631 (16120120)    379.77431 (15051906)
 3603847.5 |    208.57637 (15021102)    364.46417 (17122908)    987.34712
(16012803)   3738.50855 (16122817)    356.58570 (15012717)
 3603597.5 |    194.55097 (17010708)    238.10544 (16021107)    328.79196
(17011624)    334.39152 (16021308)    157.79563 (16013009)
 3603347.5 |     98.56161 (15121422)    122.42814 (17010801)    195.77195
(16010102)    276.97209 (15021621)     97.95941 (17012108)
 3603097.5 |     72.35490 (16011601)     94.82029 (17022103)    115.31014
(15012823)    170.36878 (16022219)    157.10504 (15011507)
 3602847.5 |     56.76401 (17011624)     77.04914 (17020408)     76.38861
(15022601)     93.91773 (17122205)     91.06210 (17011319)
 3602597.5 |     49.82424 (16011119)     78.72365 (17020408)     59.00801
(17122005)     69.67038 (17122205)     67.14456 (17123106)
 3602347.5 |     42.63389 (17020408)     58.65990 (17020408)     46.12928
(16122020)     54.76918 (17121519)     53.52251 (16121418)
 3602097.5 |     54.76443 (17020408)     37.55894 (17020408)     36.98286
(16022802)     44.16928 (17121519)     43.46181 (17121306)
 3601847.5 |     53.76135 (17020408)     30.05471 (17122619)     30.92980
(16012923)     36.70777 (15121123)     36.21891 (15021622)
 3601597.5 |     44.41280 (17020408)     25.77651 (16011319)     26.30275
(16012923)     31.42662 (15121123)     32.11778 (16112308)
 3601347.5 |     33.39196 (17020408)     22.45800 (15022601)     23.07846
(17010402)     27.28608 (15121123)     29.98469 (16112308)
 3601097.5 |     23.15259 (17020408)     20.27002 (16010118)     20.66099
(17010402)     24.10561 (15121123)     27.20335 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 766
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP16     ***
                                 INCLUDING SOURCE(S):     TP16        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     16.60120 (17032607)     12.34837 (15121322)     10.34285
(16111708)      7.81756 (17020109)      5.37133 (16092207)
 3605847.5 |     12.29457 (16010705)     65.26397 (15122821)     15.42050
(16083007)      7.48108 (15022224)      8.90929 (16092207)
 3605597.5 |     68.83000 (15021924)     63.57793 (15052306)     34.93648
(16101307)     18.96478 (16092207)     10.88109 (17121809)
 3605347.5 |     91.25887 (15033023)     86.66621 (17032207)     80.94596
(17022521)     16.99914 (16092207)      9.47931 (17121809)
 3605097.5 |     27.05577 (16083007)     12.98425 (15022224)     21.94427
(16092207)     50.13912 (17090523)     13.81656 (15110508)
 3604847.5 |     15.68096 (16111708)     16.59071 (16092207)     12.21808
(17121809)     11.42577 (15022724)     15.53386 (15022818)
 3604597.5 |     27.26295 (16092207)     14.30959 (17121809)     10.04474
(15082707)     21.26678 (17032608)     27.29992 (16040707)
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```
 3604347.5 |     38.68466 (15082707)     28.70763 (17032608)     48.67213
(16040707)     52.10344 (16040707)     32.28914 (16040707)
 3604097.5 |    196.16589 (16040707)     45.79648 (17082707)     26.10356
(16020417)     21.56467 (17091207)     19.51812 (16090707)
 3603847.5 |    155.16152 (17012817)     68.27000 (15012317)     33.01575
(15012317)     23.93685 (15062407)     22.13723 (17042907)
 3603597.5 |    114.26006 (16040807)     55.11800 (15022408)     41.14313
(17122709)     27.71607 (16121017)     22.96005 (15020117)
 3603347.5 |     61.86385 (16013009)     58.43388 (16041107)    142.55571
(16040807)     49.95158 (15022408)     79.38853 (15012119)
 3603097.5 |     54.10368 (16021820)    194.29310 (17040307)    122.95123
(16121203)    145.83453 (17011308)    131.42989 (15121020)
 3602847.5 |    124.90850 (17120621)     93.76833 (16121022)     83.11726
(17122518)     90.17290 (16122817)     71.50466 (17022804)
 3602597.5 |     67.76918 (16121220)     80.53921 (15020908)     67.49961
(15021604)     68.30475 (17122518)     65.12780 (15013018)
 3602347.5 |     51.48097 (15022808)     50.60224 (17120621)     66.32374
(17021408)     51.68634 (16010421)     51.44942 (17122518)
 3602097.5 |     41.80761 (16022321)     39.86877 (16121220)     51.95479
(17120621)     50.98026 (17021408)     79.72425 (15011201)
 3601847.5 |     36.05354 (15011921)     38.05626 (15022808)     34.24540
(16121008)     43.48297 (15020908)     39.64277 (17021822)
 3601597.5 |     30.84754 (16122021)     37.25140 (15022808)     27.83819
(17010406)     34.90819 (17120621)     36.91383 (17021408)
 3601347.5 |     27.74071 (17031208)     28.28170 (15022808)     25.37474
(15022808)     24.73568 (16121008)     31.26018 (17120621)
 3601097.5 |     23.91474 (16121418)     23.49427 (17011319)     30.26392
(15022808)     21.26150 (17010406)     25.37145 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 767
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP16     ***
                             INCLUDING SOURCE(S):     TP16        ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.08982 (16092207)      8.93349 (17121809)      7.15332
(17121809)      6.12567 (17032908)
 3605847.5 |      9.81061 (17121809)      7.78268 (17121809)      6.70839
(17032908)      6.50029 (15082707)
 3605597.5 |      8.54227 (17121809)      7.35010 (17032908)      6.77567
(15082707)      4.45946 (15082707)
 3605347.5 |      8.25492 (15082707)      6.75107 (15082707)      4.37282
(17122309)      7.49768 (17122309)
 3605097.5 |      7.28784 (16042804)      8.10546 (17122309)     11.33597
(17122309)     12.09222 (17122309)
 3604847.5 |     16.80724 (17032608)     17.07469 (16040707)     27.96188
(16040707)     31.96684 (16040707)
 3604597.5 |     39.56062 (16040707)     36.60488 (16040707)     25.73845
(16040707)     15.25721 (16040707)
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 3604347.5 |     15.41078 (16040707)     12.39366 (17082707)     12.35131
(17082707)     11.72946 (17082707)
 3604097.5 |     17.47116 (16090707)     15.33662 (16090707)     13.35673
(16090707)     11.60815 (16090707)
 3603847.5 |     19.85041 (17042907)     17.50504 (15062407)     16.11395
(15062407)     14.94458 (15062407)
 3603597.5 |     18.44176 (15061907)     15.73854 (15061907)     13.51385
(15061907)     11.38596 (15061907)
 3603347.5 |     34.84244 (15091922)     13.68897 (16011417)      9.75666
(17122709)      7.59218 (17122709)
 3603097.5 |     41.14550 (15022408)     28.25270 (15022408)     13.57072
(15022408)     10.80971 (17122709)
 3602847.5 |     97.91461 (17011308)     42.82962 (16040807)     34.11177
(15022408)     28.27780 (15022408)
 3602597.5 |     62.69112 (16010101)     22.95185 (16040807)     37.68172
(16040807)     36.00207 (16040807)
 3602347.5 |     54.03086 (17122124)     70.43258 (17010220)     34.88475
(15011223)     54.94393 (17011308)
 3602097.5 |     81.64748 (17040307)     38.58779 (17122124)     38.68238
(16122817)     36.24619 (17022804)
 3601847.5 |     67.10225 (16010601)     34.11801 (17122518)     30.31360
(17122124)     29.32042 (15013018)
 3601597.5 |     35.31261 (16121022)     30.05224 (16010601)     30.33924
(17122518)     24.57668 (17122124)
 3601347.5 |     31.85715 (17021408)     25.29772 (16121022)     25.20660
(16010601)     24.94082 (17122518)
 3601097.5 |     27.54244 (15020908)     26.10707 (17021408)     20.82655
(16010421)     22.98180 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 768
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP16     ***
                             INCLUDING SOURCE(S):     TP16        ,

                                        *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      556.82531  (16020401)
507708.67   3603932.32      168.40097  (17011708)
        506203.59   3603369.23       37.97875  (16021602)
507919.87   3604794.52      168.93500  (15011206)
        507037.89   3604916.08       71.12709  (17020308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 769
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP17     ***
```

```
                                    INCLUDING SOURCE(S):     TP17        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.37136 (16020408)     14.07556 (15011008)     16.76033
(16012908)     19.55677 (16012908)     20.30099 (17020308)
 3605847.5 |     16.65933 (15040607)     15.81340 (15040607)     16.01520
(16020408)     17.70181 (15011008)     21.98247 (16012908)
 3605597.5 |     16.13158 (15040607)     18.42045 (15040607)     20.29472
(15040607)     20.04687 (15040607)     20.97357 (16020408)
 3605347.5 |     15.54420 (17012508)     15.71833 (15011608)     17.17646
(15040607)     19.85332 (15040607)     23.80211 (15040607)
 3605097.5 |     16.12919 (16122808)     16.77560 (17010407)     18.81931
(17012508)     19.11555 (17012508)     20.59046 (15011608)
 3604847.5 |     21.81928 (15040307)     22.82898 (15040307)     22.00843
(15040307)     20.40335 (16122808)     23.01324 (16122808)
 3604597.5 |     18.79583 (17092707)     19.84606 (17092707)     20.49365
(17092707)     23.54538 (15040307)     28.43267 (15040307)
 3604347.5 |     19.91809 (16040507)     20.33988 (16040507)     20.78458
(16040507)     21.04445 (16040507)     24.02554 (16011421)
 3604097.5 |     16.37820 (17011708)     18.47801 (17011708)     20.00370
(17011708)     22.07773 (17011708)     24.68174 (17011708)
 3603847.5 |     19.48747 (17021608)     20.79499 (17021608)     22.75973
(17021608)     23.88304 (17021608)     26.15414 (17122608)
 3603597.5 |     15.46561 (17021608)     16.03979 (15021102)     18.22141
(15021102)     20.23224 (15021102)     21.91871 (15021102)
 3603347.5 |     15.08336 (17122908)     16.71012 (17122908)     18.46651
(17122908)     19.89045 (17122908)     21.74469 (16010308)
 3603097.5 |     14.52900 (17011719)     15.85141 (17011719)     17.20140
(15012720)     19.58677 (15012720)     20.99181 (16021602)
 3602847.5 |     14.18187 (16021602)     15.18169 (16012803)     17.09296
(16012803)     18.55094 (16011702)     20.38121 (17120906)
 3602597.5 |     14.09654 (17120906)     15.18191 (15011506)     18.24464
(15092907)     22.73830 (15092907)     25.74452 (15092907)
 3602347.5 |     18.83952 (15092907)     21.29384 (15092907)     21.90537
(15092907)     20.00456 (15092907)     20.48928 (17092807)
 3602097.5 |     18.38282 (15092907)     15.86491 (15092907)     19.04868
(17092807)     23.59155 (17092807)     24.93898 (17092807)
 3601847.5 |     17.76468 (17092807)     21.19115 (17092807)     21.74243
(17092807)     26.05443 (15092707)     30.50548 (15092707)
 3601597.5 |     19.64922 (17092807)     22.54070 (15092707)     26.56440
(15092707)     26.44517 (15092707)     21.18906 (15092707)
 3601347.5 |     23.74359 (15092707)     24.64842 (15092707)     21.53960
(15092707)     15.28797 (15092707)     10.82241 (17122105)
 3601097.5 |     21.31081 (15092707)     16.71272 (15092707)     10.78856
(15092707)      9.73957 (17122105)     10.46013 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 770
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP17     ***
```

```
                                    INCLUDING SOURCE(S):     TP17        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.64516 (17040507)     28.71594 (17040507)     27.06828
(17020108)     26.49766 (16121408)     38.24167 (16120208)
 3605847.5 |     24.90988 (17020308)     27.08060 (17040507)     33.29237
(17040507)     30.31603 (17020108)     30.60552 (16121408)
 3605597.5 |     23.07627 (15011008)     28.89311 (16012908)     31.74344
(17020308)     37.28525 (17040507)     34.02271 (17020108)
 3605347.5 |     24.09202 (15121608)     26.52798 (16020408)     30.78618
(16011506)     37.90854 (16012908)     39.14195 (17010508)
 3605097.5 |     22.67381 (15040607)     28.49812 (15040607)     31.23458
(15121608)     34.89036 (16020408)     42.03898 (16012908)
 3604847.5 |     23.67738 (17012508)     26.33620 (17012508)     30.76499
(15011608)     33.94082 (17012703)     41.41649 (15121608)
 3604597.5 |     27.89749 (15040307)     28.39516 (15040307)     30.85767
(16122808)     34.49427 (17012508)     41.43172 (17012508)
 3604347.5 |     27.37281 (15122708)     31.03872 (17020524)     33.55096
(17020524)     34.11610 (16020401)     40.90438 (17013020)
 3604097.5 |     27.83438 (17011708)     33.43757 (17011708)     36.39808
(17011708)     36.13835 (16120722)     40.43786 (16120722)
 3603847.5 |     30.15247 (17122608)     33.13466 (17122608)     35.20405
(17122608)     40.47895 (17122608)     45.76506 (17122608)
 3603597.5 |     24.80614 (15021102)     27.29608 (16012807)     30.13941
(16012807)     35.43802 (17122908)     45.06665 (17122908)
 3603347.5 |     23.72169 (16010308)     26.63546 (17011719)     30.05553
(17011719)     35.70484 (16021602)     41.67388 (16021602)
 3603097.5 |     22.21886 (16012803)     26.14515 (16012803)     29.23540
(17120906)     35.07355 (15011506)     41.25681 (16021406)
 3602847.5 |     22.32633 (15011506)     28.52778 (15092907)     32.06977
(15092907)     33.80843 (17122824)     40.65210 (17010708)
 3602597.5 |     25.76536 (15092907)     24.83504 (17010704)     31.32647
(17092807)     35.21242 (17092807)     49.32238 (15092707)
 3602347.5 |     27.37808 (17092807)     29.44494 (17092807)     38.68881
(15092707)     40.43751 (15092707)     27.65322 (15092707)
 3602097.5 |     31.20500 (15092707)     34.88027 (15092707)     29.71496
(15092707)     18.27933 (17122302)     19.71437 (15121422)
 3601847.5 |     28.25846 (15092707)     20.06390 (15092707)     15.24109
(17122105)     16.85624 (15121422)     18.09256 (16121224)
 3601597.5 |     13.13966 (15092707)     12.99978 (15022607)     14.29675
(17012504)     15.47147 (16121224)     16.42462 (17121505)
 3601347.5 |     11.53367 (15012201)     12.45910 (17012504)     13.36957
(16020405)     14.16062 (17121505)     15.05754 (15120324)
 3601097.5 |     11.16452 (17021905)     11.85125 (16020405)     12.63681
(17121505)     13.38954 (15120324)     13.92360 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 771
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP17     ***
```

```
                                    INCLUDING SOURCE(S):     TP17        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     49.63467 (16120208)     36.34297 (15121708)     51.98943
(17021308)     72.97400 (15021508)     66.29675 (17010724)
 3605847.5 |     43.22723 (16120208)     55.60471 (16120208)     47.13668
(16010908)     74.55877 (15120107)     70.17708 (17021122)
 3605597.5 |     37.23407 (17020108)     48.94698 (16120208)     58.70022
(16120208)     66.02774 (15122808)     95.77923 (15021508)
 3605347.5 |     42.59510 (16011607)     47.76090 (17020108)     54.59829
(16120208)     60.98175 (15121708)     61.76878 (17022201)
 3605097.5 |     51.20754 (17020308)     55.38802 (15120308)     68.30686
(17020108)     75.26015 (16120208)     84.59881 (15121708)
 3604847.5 |     48.28186 (16020408)     64.96908 (16012908)     75.00577
(15021008)    100.41810 (17020108)    120.64927 (16120208)
 3604597.5 |     49.22502 (15011608)     59.62183 (15121608)     75.38636
(16020408)    111.54061 (17020308)    143.49006 (17020108)
 3604347.5 |     49.65657 (16122808)     57.76293 (16122808)     74.45539
(17012508)     97.95870 (17012703)    136.33270 (16020408)
 3604097.5 |     48.01459 (16011421)     60.81784 (16011421)     77.61187
(17020524)     94.01459 (16020401)    136.90448 (16122808)
 3603847.5 |     51.77733 (17122608)     62.99178 (17122608)     77.95660
(17122608)    102.82453 (17122608)    144.12370 (17122608)
 3603597.5 |     51.80266 (17122908)     59.62356 (16010308)     73.58077
(17011719)     89.90001 (16021602)    120.92879 (16011702)
 3603347.5 |     49.39935 (16011702)     56.30837 (17120906)     71.35646
(16021406)     93.30361 (17122824)    109.52269 (17121308)
 3603097.5 |     48.12013 (17121720)     56.60065 (17010708)     65.89389
(17121308)     71.40926 (16021107)     60.94873 (15121422)
 3602847.5 |     47.60527 (17121308)     58.44922 (15092707)     41.81707
(15092707)     44.38627 (17012504)     48.44615 (15013101)
 3602597.5 |     42.50378 (15092707)     30.44177 (16011206)     35.04478
(17021905)     36.54227 (17121505)     41.20434 (16122704)
 3602347.5 |     23.91250 (15022607)     26.91585 (17021905)     29.23716
(17121505)     31.55805 (16021923)     34.50479 (17011624)
 3602097.5 |     21.29276 (16121224)     23.39861 (17121505)     25.21672
(17010801)     27.39437 (17012722)     31.95259 (17022103)
 3601847.5 |     19.26845 (17121505)     21.11310 (17010801)     21.94988
(16122704)     26.64512 (17040807)     27.69836 (15021805)
 3601597.5 |     17.45208 (16121724)     18.89130 (16122704)     19.90272
(17011624)     22.98966 (17040807)     34.00783 (17020408)
 3601347.5 |     15.94379 (16022007)     17.07930 (16120304)     23.92107
(17040807)     22.50724 (15041007)     41.05806 (17020408)
 3601097.5 |     14.85509 (17012722)     18.89496 (17040807)     18.80004
(17040807)     24.39264 (17020408)     42.05415 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 772
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP17     ***
```

```
                                    INCLUDING SOURCE(S):     TP17        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     38.99518 (17070706)     42.51163 (15022002)     22.47370
(17022408)     13.94027 (16112208)     37.23440 (17032607)
 3605847.5 |     81.73309 (17021508)    100.29165 (16120908)     53.57178
(17022408)     35.75540 (15111919)     86.98349 (17032607)
 3605597.5 |     79.46607 (17021508)     56.69241 (16021807)     58.23031
(16120106)     65.17496 (15010907)     99.12803 (17020819)
 3605347.5 |     62.76798 (15021508)     67.67363 (17021508)     72.83285
(17022408)     36.00045 (16112208)    122.56959 (17120924)
 3605097.5 |     97.63552 (15021508)    139.91214 (16012808)     39.86907
(17022408)     29.61628 (16112208)     41.96241 (17032607)
 3604847.5 |    186.30645 (16010908)    169.39105 (15121303)     76.49390
(17022408)     41.61130 (16112208)     25.93166 (17032607)
 3604597.5 |    183.75950 (15120408)    161.50075 (15021508)     63.53919
(15013009)     66.44313 (17032607)     34.91119 (16111708)
 3604347.5 |    205.31888 (15021008)    295.67740 (15120408)    255.74736
(17010208)    198.69198 (17032607)     61.29826 (17022620)
 3604097.5 |    217.24129 (17012508)    361.36481 (16012908)    720.89420
(15123008)   1039.88471 (15122908)    427.82537 (17120708)
 3603847.5 |    224.33334 (17122608)    375.88535 (17122608)   1017.16878
(17122608)   5801.22349 (17022520)    394.05169 (15061006)
 3603597.5 |    187.33197 (16021406)    278.31971 (16122619)    356.88700
(17010801)    368.62581 (17060306)    201.92531 (16013009)
 3603347.5 |    100.40150 (16021107)    128.19745 (15120324)    208.05534
(16012324)    302.88951 (16022219)    105.56239 (17012108)
 3603097.5 |     73.64968 (16020219)     93.16631 (17022103)    119.98510
(16120124)    181.07795 (17122205)    166.98369 (15011507)
 3602847.5 |     58.14087 (17012722)     73.82995 (15021805)     81.25822
(17122619)     99.05311 (17122205)     96.12881 (17011319)
 3602597.5 |     50.77501 (17022103)     78.44568 (17020408)     61.11671
(16010118)     72.57555 (17121519)     70.50085 (17123106)
 3602347.5 |     41.55224 (15021805)     65.05588 (17020408)     47.44808
(17122005)     56.99172 (15121123)     55.75020 (16121418)
 3602097.5 |     50.53562 (17020408)     44.31547 (17020408)     38.19559
(16122020)     45.89728 (15121123)     44.85914 (15021622)
 3601847.5 |     54.09736 (17020408)     30.43585 (17020905)     31.80138
(16022802)     38.11030 (15121123)     37.04981 (15021622)
 3601597.5 |     47.43821 (17020408)     26.48617 (17122619)     26.88440
(16012923)     32.40414 (15121123)     32.69917 (16112308)
 3601347.5 |     37.17920 (17020408)     22.79200 (15022601)     23.52765
(16012923)     27.98874 (15121123)     30.19903 (16112308)
 3601097.5 |     26.55009 (17020408)     20.48527 (16010118)     20.94688
(17010402)     24.60788 (15121123)     27.16607 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 773
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP17     ***
```

```
                                    INCLUDING SOURCE(S):     TP17        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     20.33558 (17032607)     13.66691 (15121322)     10.35052
(16111708)      7.79386 (17020109)      5.88661 (17020109)
 3605847.5 |     13.53559 (17032607)     67.01539 (15033023)     16.59898
(16083007)      7.57343 (17020109)      8.38611 (16092207)
 3605597.5 |     69.11321 (15021924)     64.73063 (17060105)     36.83212
(15092321)     18.22006 (15022123)     10.47806 (17121809)
 3605347.5 |     98.49358 (15033023)     85.68946 (16120518)     86.49687
(17022521)     19.69169 (16092207)     10.43364 (17121809)
 3605097.5 |     25.82398 (16083007)     11.30961 (17020109)     24.26988
(16092207)     51.02389 (17090523)     12.96540 (15110508)
 3604847.5 |     19.68558 (16111708)     16.65193 (16092207)     13.99202
(17121809)     11.84696 (15022724)     14.98474 (15022818)
 3604597.5 |     22.15875 (16092207)     17.09505 (17121809)     12.01648
(15082707)     14.47163 (17032608)     21.13917 (17032608)
 3604347.5 |     39.26709 (17012305)     34.91218 (15022818)     42.39124
(17032608)     51.53504 (16040707)     42.22761 (16040707)
 3604097.5 |    142.33463 (16040707)     73.14697 (16040707)     26.14349
(16040707)     19.24477 (17082707)     17.92474 (16090707)
 3603847.5 |    167.83558 (15012017)     87.07662 (15012017)     35.51063
(17030408)     24.76547 (17030408)     21.29115 (15062407)
 3603597.5 |    103.19569 (16040807)     49.55387 (15122117)     38.43034
(17122709)     30.67743 (15020117)     21.30900 (15061907)
 3603347.5 |     89.93269 (16013009)     58.68925 (16040807)    142.66339
(16100807)     43.22809 (15022408)     83.81762 (15012119)
 3603097.5 |     56.63200 (16021820)    151.69472 (17122518)    123.31941
(16121203)    149.19762 (17011308)    141.62928 (16121122)
 3602847.5 |    136.66451 (17120621)     97.78034 (16121022)     83.32450
(17122518)     94.28380 (16122817)     73.19552 (17121101)
 3602597.5 |     70.04495 (16121220)     85.05751 (15020908)     69.34506
(16010421)     68.19081 (17122518)     67.23346 (15013018)
 3602347.5 |     53.15506 (17010624)     53.92962 (17120621)     68.53769
(17021408)     53.74053 (16010421)     51.45080 (17122518)
 3602097.5 |     43.26807 (16022321)     40.90687 (17010406)     53.46785
(17120621)     51.22490 (17021408)     83.36069 (15011201)
 3601847.5 |     37.07020 (15011921)     38.54748 (15022808)     35.08147
(16121008)     44.71491 (15020908)     40.62773 (16121022)
 3601597.5 |     31.49825 (17123106)     37.58023 (15022808)     28.44797
(17010406)     36.09281 (17120621)     38.00643 (17021408)
 3601347.5 |     27.79012 (17031208)     28.24369 (15022808)     25.60303
(15022808)     25.26010 (16121008)     31.88897 (15020908)
 3601097.5 |     24.41007 (16121418)     23.92462 (17011319)     30.56149
(15022808)     21.60333 (17010406)     26.16997 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 774
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP17     ***
```

```
                                    INCLUDING SOURCE(S):     TP17        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.01992 (16092207)      8.80418 (17121809)      7.67761
(17121809)      5.93489 (17032908)
 3605847.5 |      9.57622 (17121809)      8.40535 (17121809)      6.56604
(17032908)      6.53517 (15082707)
 3605597.5 |      9.30044 (17121809)      7.29857 (17032908)      7.05760
(15082707)      5.17866 (15082707)
 3605347.5 |      8.14202 (17032908)      7.39171 (15082707)      4.57095
(15082707)      6.12994 (17122309)
 3605097.5 |      7.32019 (15082707)      6.28770 (17122309)      9.96284
(17122309)     11.75280 (17122309)
 3604847.5 |     13.59059 (16082307)     13.94164 (17122309)     22.20121
(16040707)     29.80033 (16040707)
 3604597.5 |     33.44673 (16040707)     38.12285 (16040707)     31.24090
(16040707)     20.75691 (16040707)
 3604347.5 |     24.11163 (16040707)     11.45370 (16040707)     11.52044
(17082707)     11.48684 (17082707)
 3604097.5 |     17.37142 (16090707)     16.08775 (16090707)     14.54619
(16090707)     12.98812 (16090707)
 3603847.5 |     19.04043 (15062407)     17.27017 (15062407)     15.83540
(15062407)     14.64510 (15062407)
 3603597.5 |     20.94063 (15061907)     16.72176 (15061907)     13.55441
(15061907)     11.78286 (17042907)
 3603347.5 |     38.03989 (15091922)     13.60711 (17082908)      8.78494
(17122709)      6.63654 (17122709)
 3603097.5 |     39.64882 (15022408)     22.88826 (15022408)     11.49126
(17122709)     10.86967 (17122709)
 3602847.5 |    101.87019 (15121020)     40.01557 (16040807)     34.45491
(15022408)     25.11647 (15022408)
 3602597.5 |     68.18057 (16010101)     28.09699 (16040807)     39.99404
(16040807)     33.79744 (16040807)
 3602347.5 |     54.99606 (15013018)     71.34780 (17010220)     36.65378
(16071324)     57.49853 (17011308)
 3602097.5 |     89.01373 (17040307)     38.82195 (17122124)     38.76577
(16121203)     36.43840 (17022804)
 3601847.5 |     68.13004 (16010601)     34.16674 (17122518)     30.96904
(17122124)     29.89647 (16122817)
 3601597.5 |     35.44443 (16121022)     30.46694 (16010601)     30.34639
(17122518)     25.39927 (17122124)
 3601347.5 |     32.21342 (17021408)     25.27083 (16121022)     25.69811
(17011224)     24.98354 (17122518)
 3601097.5 |     28.11322 (15020908)     26.02128 (17021408)     21.74315
(16010421)     23.40489 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 775
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP17     ***
```

```
                                  INCLUDING SOURCE(S):     TP17        ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      518.97854  (17012508)
507708.67   3603932.32      161.05330  (17011708)
        506203.59   3603369.23       37.60456  (15012720)
507919.87   3604794.52      175.04409  (17021401)
        507037.89   3604916.08       69.49031  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 776
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP18     ***
                                  INCLUDING SOURCE(S):     TP18        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.38597 (16020408)     14.11178 (15011008)     16.83271
(16012908)     19.55850 (16012908)     20.25869 (17020308)
 3605847.5 |     16.64372 (15040607)     15.76972 (15040607)     16.03460
(16020408)     17.74966 (15011008)     22.06933 (16012908)
 3605597.5 |     16.17756 (15040607)     18.44569 (15040607)     20.28868
(15040607)     19.99980 (15040607)     21.01540 (16020408)
 3605347.5 |     15.55064 (17012508)     15.74706 (15011608)     17.24535
(15040607)     19.89819 (15040607)     23.81251 (15040607)
 3605097.5 |     16.13746 (16122808)     16.81695 (17010407)     18.86586
(17012508)     19.11337 (17012508)     20.61728 (15011608)
 3604847.5 |     21.86105 (15040307)     22.83579 (15040307)     21.97053
(15040307)     20.42895 (16122808)     23.01274 (16122808)
 3604597.5 |     18.83319 (17092707)     19.86418 (17092707)     20.48627
(17092707)     23.66376 (15040307)     28.53028 (15040307)
 3604347.5 |     19.92616 (16040507)     20.33405 (16040507)     20.76226
(16040507)     21.05782 (16011421)     24.06948 (16011421)
 3604097.5 |     16.41743 (17011708)     18.52358 (17011708)     20.04789
(17011708)     22.12244 (17011708)     24.72796 (17011708)
 3603847.5 |     19.47731 (17021608)     20.78513 (17021608)     22.75171
(17021608)     23.87425 (17021608)     26.21611 (17122608)
 3603597.5 |     15.53189 (17021608)     16.05753 (15021102)     18.24981
(15021102)     20.27111 (15021102)     21.96721 (15021102)
 3603347.5 |     15.10062 (17122908)     16.73552 (17122908)     18.50252
(17122908)     19.93636 (17122908)     21.79104 (16010308)
 3603097.5 |     14.54780 (17011719)     15.87763 (17011719)     17.22789
(15012720)     19.63040 (15012720)     21.03515 (16021602)
 3602847.5 |     14.20682 (16021602)     15.20307 (16012803)     17.12518
(16012803)     18.58572 (16011702)     20.42041 (17120906)
 3602597.5 |     14.11690 (17120906)     15.20480 (15011506)     18.26206
(15092907)     22.76524 (15092907)     25.77855 (15092907)
 3602347.5 |     18.85817 (15092907)     21.31734 (15092907)     21.92998
(15092907)     20.02463 (15092907)     20.53022 (17092807)
 3602097.5 |     18.40051 (15092907)     15.87767 (15092907)     19.08190
(17092807)     23.62555 (17092807)     24.96177 (17092807)
 3601847.5 |     17.79224 (17092807)     21.21806 (17092807)     21.75928
(17092807)     26.10544 (15092707)     30.54342 (15092707)
 3601597.5 |     19.66336 (17092807)     22.58354 (15092707)     26.59874
(15092707)     26.45646 (15092707)     21.17192 (15092707)
 3601347.5 |     23.77606 (15092707)     24.66509 (15092707)     21.53380
(15092707)     15.26448 (15092707)     10.84101 (17122105)
 3601097.5 |     21.31318 (15092707)     16.69811 (15092707)     10.76566
(15092707)      9.75099 (17122105)     10.48056 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 777
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP18     ***
                                  INCLUDING SOURCE(S):     TP18        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.75761 (17040507)     28.62762 (17040507)     27.11794
(17020108)     26.56701 (16121408)     38.54854 (16120208)
 3605847.5 |     24.94792 (17020308)     27.28347 (17040507)     33.28123
(17040507)     30.42329 (17020108)     30.72625 (16121408)
 3605597.5 |     23.13813 (15011008)     28.97684 (16012908)     31.72251
(17020308)     37.41013 (17040507)     34.23437 (17020108)
 3605347.5 |     24.13248 (15121608)     26.58612 (16020408)     30.94115
(16011506)     37.97897 (17020308)     39.31534 (15021008)
 3605097.5 |     22.75788 (15040607)     28.54224 (15040607)     31.31906
(15121608)     34.97490 (16020408)     42.34406 (16012908)
 3604847.5 |     23.73663 (17012508)     26.33204 (17012508)     30.80638
(15011608)     34.00446 (17012703)     41.58882 (15121608)
 3604597.5 |     27.92142 (15040307)     28.33981 (15040307)     30.87160
(16122808)     34.62730 (17012508)     41.45308 (17012508)
 3604347.5 |     27.44562 (15122708)     31.14094 (17020524)     33.61053
(17020524)     34.13827 (16020401)     41.01751 (17013020)
 3604097.5 |     27.88159 (17011708)     33.49115 (17011708)     36.43757
(17011708)     36.23084 (16120722)     40.48246 (16120722)
 3603847.5 |     30.23093 (17122608)     33.22518 (17122608)     35.29428
(17122608)     40.59134 (17122608)     45.89134 (17122608)
 3603597.5 |     24.87521 (15021102)     27.35621 (16012807)     30.21921
(16012807)     35.49832 (17122908)     45.19860 (17122908)
 3603347.5 |     23.78402 (16010308)     26.68979 (17011719)     30.13802
(17011719)     35.80023 (16021602)     41.82662 (16021602)
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 3603097.5 |     22.25653 (16012803)     26.20958 (16012803)     29.30306
(17120906)     35.17625 (15011506)     41.39102 (16021406)
 3602847.5 |     22.37150 (15011506)     28.56961 (15092907)     32.12156
(15092907)     33.90535 (17122824)     40.77703 (17010708)
 3602597.5 |     25.79925 (15092907)     24.89379 (17010704)     31.39133
(17092807)     35.25977 (17092807)     49.44447 (15092707)
 3602347.5 |     27.42629 (17092807)     29.47804 (17092807)     38.77682
(15092707)     40.47203 (15092707)     27.60588 (15092707)
 3602097.5 |     31.27006 (15092707)     34.91837 (15092707)     29.70144
(15092707)     18.31430 (17122302)     19.76955 (15121422)
 3601847.5 |     28.26068 (15092707)     20.03208 (15092707)     15.26636
(17122105)     16.88940 (15121422)     18.12790 (16121224)
 3601597.5 |     13.10712 (15092707)     13.02125 (15022607)     14.32682
(17012504)     15.50121 (16020405)     16.44717 (17121505)
 3601347.5 |     11.55360 (15012201)     12.47858 (17012504)     13.39691
(16020405)     14.17900 (17121505)     15.07520 (15120324)
 3601097.5 |     11.18634 (17021905)     11.87194 (16020405)     12.65291
(17121505)     13.40960 (15120324)     13.94322 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 778
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP18     ***
                                 INCLUDING SOURCE(S):     TP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     49.53486 (16120208)     36.26257 (15121708)     52.80450
(17021308)     72.80210 (15021508)     66.55564 (17010724)
 3605847.5 |     43.58370 (16120208)     55.40141 (16120208)     47.25228
(16010908)     74.98396 (15021508)     70.59350 (17021122)
 3605597.5 |     37.03597 (17020108)     49.35937 (16120208)     58.32921
(16120208)     66.24194 (15122808)     95.70309 (15021508)
 3605347.5 |     42.61778 (16011607)     47.58399 (17020108)     55.06105
(16120208)     61.26197 (15121708)     61.66825 (17022201)
 3605097.5 |     51.23908 (17020308)     55.49968 (15120308)     68.33658
(17020108)     75.95045 (16120208)     84.53367 (15121708)
 3604847.5 |     48.41009 (16020408)     65.33010 (16012908)     75.42410
(15021008)    100.96252 (17020108)    121.97502 (16120208)
 3604597.5 |     49.23653 (15011608)     60.03605 (15121608)     75.62327
(16020408)    112.11032 (17020308)    145.32090 (17020108)
 3604347.5 |     49.84186 (16122808)     57.71958 (16122808)     74.51936
(17012508)     98.26168 (17012703)    136.80544 (16020408)
 3604097.5 |     48.19785 (16011421)     60.97789 (16011421)     77.98207
(17020524)     94.42169 (15020702)    137.71544 (16122808)
 3603847.5 |     51.89685 (17122608)     63.16503 (17122608)     78.19233
(17122608)    103.24334 (17122608)    144.92097 (17122608)
 3603597.5 |     51.99786 (17122908)     59.86184 (16010308)     73.89064
(17011719)     90.28866 (16021602)    121.58909 (16011702)
 3603347.5 |     49.57864 (16012803)     56.52269 (17120906)     71.67578
(16021406)     93.79373 (17122824)    109.95820 (17121308)
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 3603097.5 |     48.29246 (17121720)     56.82369 (17010708)     66.12301
(17121308)     71.59377 (16021107)     61.28602 (15121422)
 3602847.5 |     47.74879 (17121308)     58.56958 (15092707)     41.73268
(15092707)     44.56861 (17012504)     48.66983 (15013101)
 3602597.5 |     42.50013 (15092707)     30.52909 (16011206)     35.17218
(17021905)     36.60376 (17121505)     41.35965 (16122704)
 3602347.5 |     23.96666 (15022607)     26.98079 (17021905)     29.28728
(17121505)     31.63450 (16021923)     34.56035 (17011624)
 3602097.5 |     21.34644 (16121224)     23.43524 (17121505)     25.26787
(17010801)     27.43879 (17012722)     31.99934 (17022103)
 3601847.5 |     19.29618 (17121505)     21.17370 (17010801)     21.98113
(16011202)     26.79473 (17040807)     27.78415 (15021805)
 3601597.5 |     17.48719 (16121724)     18.93398 (16122704)     19.93817
(17011624)     22.86007 (17040807)     34.37985 (17020408)
 3601347.5 |     15.97453 (16022007)     17.11909 (16120304)     23.96964
(17040807)     22.61160 (15041007)     41.29484 (17020408)
 3601097.5 |     14.89029 (17012722)     19.03177 (17040807)     18.68207
(17040807)     24.67120 (17020408)     42.11885 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 779
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP18     ***
                                 INCLUDING SOURCE(S):     TP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     38.74524 (17070706)     42.07748 (15022002)     22.21034
(17022408)     13.80255 (16112208)     37.49830 (17032607)
 3605847.5 |     81.51857 (17021508)    100.21132 (16120908)     53.07391
(17022408)     35.53394 (15111919)     87.22673 (17032607)
 3605597.5 |     80.37202 (17021508)     56.41528 (16021807)     58.22687
(16120106)     65.23496 (15010907)     98.20390 (17020819)
 3605347.5 |     61.94789 (15021508)     66.75466 (17021508)     72.77144
(17022408)     35.49946 (16112208)    122.54104 (17120924)
 3605097.5 |     98.05013 (15021508)    139.91439 (16012808)     40.16567
(17022408)     29.07428 (16112208)     40.92562 (17032607)
 3604847.5 |    184.83067 (17021107)    169.53754 (15121303)     78.17255
(17022408)     40.64114 (16112208)     24.76132 (17032607)
 3604597.5 |    184.42605 (15120408)    163.98971 (15021508)     64.35580
(15013009)     69.21187 (17032607)     35.34818 (16111708)
 3604347.5 |    206.33495 (15021008)    296.56746 (15120408)    251.09277
(15102907)    206.51551 (17032607)     61.36559 (17022620)
 3604097.5 |    217.79286 (17012508)    369.95406 (16012908)    737.74262
(15121708)   1031.85022 (15122908)    424.50027 (17120708)
 3603847.5 |    226.13312 (17122608)    379.43693 (17122608)   1036.28408
(17122608)   5726.94960 (15022806)    388.75963 (15061006)
 3603597.5 |    188.85740 (16021406)    280.52235 (16122619)    360.92650
(17010801)    383.30893 (16021308)    204.62261 (16013009)
 3603347.5 |    100.27920 (16021107)    129.10858 (15120324)    209.20106
(16012324)    303.12919 (16022219)    102.25096 (17012108)
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 3603097.5 |     74.02570 (16020219)     94.14278 (17022103)    120.69334
(16010204)    181.65072 (17122205)    167.14012 (15011507)
 3602847.5 |     58.38112 (17012722)     73.98352 (15021805)     81.39955
(17122619)     99.46289 (17122205)     96.09758 (17011319)
 3602597.5 |     50.97902 (17022103)     78.86515 (17020408)     61.34982
(16010118)     72.68191 (17121519)     70.49586 (17123106)
 3602347.5 |     41.67200 (15021805)     64.75592 (17020408)     47.51739
(17122005)     56.92411 (15121123)     55.78314 (16121418)
 3602097.5 |     51.01926 (17020408)     43.81609 (17020408)     38.22415
(16122020)     45.87649 (15121123)     44.85839 (17121306)
 3601847.5 |     54.23696 (17020408)     30.47247 (17020905)     31.83713
(16022802)     38.11399 (15121123)     37.16995 (15021622)
 3601597.5 |     47.30640 (17020408)     26.48931 (17122619)     26.93645
(16012923)     32.42158 (15121123)     32.68105 (16112308)
 3601347.5 |     36.92397 (17020408)     22.84532 (15022601)     23.53975
(16012923)     28.01254 (15121123)     30.25631 (16112308)
 3601097.5 |     26.28302 (17020408)     20.53487 (16010118)     20.99014
(17010402)     24.63608 (15121123)     27.26668 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 780
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP18     ***
                                 INCLUDING SOURCE(S):     TP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     19.91196 (17032607)     13.56917 (15121322)     10.34737
(16111708)      7.78926 (17020109)      5.85583 (17020109)
 3605847.5 |     13.14654 (17032607)     65.98482 (15033023)     16.51340
(16083007)      7.54324 (17020109)      8.40715 (16092207)
 3605597.5 |     68.92640 (15021924)     64.31949 (17060105)     36.09922
(15092321)     18.07199 (15022123)     10.48526 (17121809)
 3605347.5 |     97.73017 (15033023)     84.72689 (16120518)     85.95195
(17022521)     19.58518 (16092207)     10.39566 (17121809)
 3605097.5 |     25.88093 (16083007)     11.25900 (17020109)     24.18281
(16092207)     50.72719 (17090523)     12.97571 (15110508)
 3604847.5 |     19.37104 (16111708)     16.63882 (16092207)     13.92252
(17121809)     11.83323 (15022724)     14.96366 (15022818)
 3604597.5 |     22.32043 (16092207)     16.98766 (17121809)     11.96537
(15082707)     14.48592 (17032608)     21.08213 (17032608)
 3604347.5 |     38.53837 (17012305)     34.71333 (15022818)     42.20155
(17032608)     51.45240 (16040707)     42.17921 (16040707)
 3604097.5 |    142.09099 (16040707)     72.87028 (16040707)     26.17923
(16040707)     19.19997 (17082707)     17.86100 (16090707)
 3603847.5 |    164.54396 (15012017)     85.76685 (15021202)     35.45287
(17030408)     24.75026 (17030408)     21.22568 (15062407)
 3603597.5 |    100.70164 (16040807)     49.02184 (15122117)     38.12979
(17122709)     30.57218 (15020117)     21.40965 (15061907)
 3603347.5 |     92.21981 (16013009)     60.17416 (16040807)    142.01024
(16100807)     42.57425 (15022408)     82.42220 (15012119)
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 3603097.5 |     55.21359 (17010522)    150.35202 (16121120)    122.58853
(16121203)    148.12596 (17011308)    141.17294 (16121122)
 3602847.5 |    138.43987 (17120621)     97.52608 (16121022)     82.82378
(17122518)     94.03357 (16122817)     73.50567 (17121101)
 3602597.5 |     70.00252 (16121220)     85.29969 (15020908)     69.80118
(16010421)     67.95526 (17122518)     67.28579 (15013018)
 3602347.5 |     53.20929 (17010624)     54.74214 (17120621)     68.62093
(17021408)     53.80225 (16010421)     51.31170 (17122518)
 3602097.5 |     43.24830 (16022321)     41.02520 (17010406)     53.54180
(17120621)     50.95593 (17021408)     83.81393 (15011201)
 3601847.5 |     37.07274 (15011921)     38.22172 (15022808)     35.16338
(16121008)     44.73774 (15020908)     40.72910 (16121022)
 3601597.5 |     31.55505 (16122021)     37.73004 (15022808)     28.47398
(17010406)     36.25732 (17120621)     38.08334 (17021408)
 3601347.5 |     27.91281 (17031208)     28.62501 (15022808)     25.26757
(15022808)     25.32705 (16121008)     32.06536 (15020908)
 3601097.5 |     24.41612 (16121418)     23.93582 (17011319)     30.46132
(15022808)     21.60442 (17010406)     26.34279 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 781
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP18     ***
                                 INCLUDING SOURCE(S):     TP18        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.02239 (16092207)      8.80379 (17121809)      7.65663
(17121809)      5.93658 (17032908)
 3605847.5 |      9.57862 (17121809)      8.38044 (17121809)      6.56585
(17032908)      6.53151 (15082707)
 3605597.5 |      9.27017 (17121809)      7.29529 (17032908)      7.04814
(15082707)      5.16177 (15082707)
 3605347.5 |      8.13361 (17032908)      7.37431 (15082707)      4.55138
(15082707)      6.13893 (17122309)
 3605097.5 |      7.29321 (15082707)      6.30095 (17122309)      9.96691
(17122309)     11.74661 (17122309)
 3604847.5 |     13.58535 (16082307)     13.93147 (17122309)     22.19766
(16040707)     29.77781 (16040707)
 3604597.5 |     33.42275 (16040707)     38.08088 (16040707)     31.21678
(16040707)     20.75420 (16040707)
 3604347.5 |     24.11432 (16040707)     11.47081 (16040707)     11.49751
(17082707)     11.47047 (17082707)
 3604097.5 |     17.33380 (16090707)     16.07025 (16090707)     14.54258
(16090707)     12.99349 (16090707)
 3603847.5 |     18.98732 (15062407)     17.22584 (15062407)     15.79759
(15062407)     14.61229 (15062407)
 3603597.5 |     20.96548 (15061907)     16.68194 (15061907)     13.50298
(15061907)     11.79566 (17042907)
 3603347.5 |     37.57894 (15091922)     13.60810 (17082908)      8.72605
(17122709)      6.58586 (17122709)
```

```
 3603097.5 |     39.39176 (15022408)     22.51650 (15022408)     11.50007
(17122709)     10.85399 (17122709)
 3602847.5 |    102.28750 (15121020)     39.68173 (16040807)     34.37359
(15022408)     24.86241 (15022408)
 3602597.5 |     67.57125 (16010101)     28.49237 (16040807)     40.06696
(16040807)     33.55273 (16040807)
 3602347.5 |     55.17811 (15013018)     70.80940 (17010220)     36.53388
(16071324)     57.52493 (16040807)
 3602097.5 |     89.67351 (17040307)     38.79046 (17122124)     38.84369
(16121203)     36.38765 (17022804)
 3601847.5 |     68.39882 (16010601)     34.10685 (17122518)     30.99377
(17122124)     29.93070 (16122817)
 3601597.5 |     35.40097 (16121022)     30.44936 (16010601)     30.30996
(17122518)     25.44736 (17122124)
 3601347.5 |     32.14883 (17021408)     25.13525 (16121022)     25.74161
(17011224)     24.95349 (17122518)
 3601097.5 |     28.09537 (15020908)     25.89403 (17021408)     21.83520
(16010421)     23.43507 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 782
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP18     ***
                                INCLUDING SOURCE(S):     TP18        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      527.26952  (17012508)
507708.67   3603932.32      161.45869  (17011708)
        506203.59   3603369.23       37.72673  (15012720)
507919.87   3604794.52      173.09472  (17021401)
        507037.89   3604916.08       69.77668  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 783
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP19     ***
                                INCLUDING SOURCE(S):     TP19        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86               504368.86               504618.86
504868.86               505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.25327 (16020408)     14.16946 (15011008)     17.14114
(16012908)     19.26586 (17020308)     19.42291 (17020308)
 3605847.5 |     16.01618 (15040607)     14.86970 (15010408)     15.80958
(16020408)     17.56785 (16011506)     21.90101 (16012908)
 3605597.5 |     16.36901 (15040607)     18.22806 (15040607)     19.47392
(15040607)     18.70797 (15010408)     20.23183 (16020408)
 3605347.5 |     14.79565 (17012508)     15.56927 (15011608)     17.66431
(15040607)     19.87437 (15040607)     22.90531 (15040607)
 3605097.5 |     15.26264 (16122808)     16.53133 (17012508)     18.39600
(17012508)     18.37393 (17012508)     20.25179 (15011608)
 3604847.5 |     21.48383 (15040307)     21.71387 (15040307)     20.15819
(15040307)     19.75768 (16122808)     21.79392 (17010407)
 3604597.5 |     18.59981 (17092707)     19.11966 (17092707)     20.51425
(15040307)     24.48431 (15040307)     28.24419 (15040307)
 3604347.5 |     18.92886 (16040507)     18.95155 (16040507)     18.90307
(16040507)     20.38037 (16011421)     23.07463 (15122708)
 3604097.5 |     16.32881 (17011708)     18.17566 (17011708)     19.56260
(17011708)     21.35764 (17011708)     23.51160 (17011708)
 3603847.5 |     17.71063 (17021608)     18.81585 (17021608)     20.45468
(17021608)     21.83854 (17122608)     24.80755 (17122608)
 3603597.5 |     17.15755 (17021608)     17.56553 (17021608)     18.38417
(17021608)     19.20981 (15021102)     21.07533 (15021102)
 3603347.5 |     14.49372 (15011603)     16.05699 (17122908)     17.94912
(17122908)     19.68215 (17122908)     21.51308 (17122908)
 3603097.5 |     14.29742 (17021402)     15.43785 (17011719)     16.89511
(17011719)     19.13007 (15012720)     20.40226 (16021602)
 3602847.5 |     14.13765 (16021602)     15.00548 (16021602)     16.60408
(16012803)     17.96538 (16011702)     19.76777 (17120906)
 3602597.5 |     13.76340 (16011702)     15.01149 (17120906)     16.49185
(15011506)     20.48065 (15092907)     24.65408 (15092907)
 3602347.5 |     17.13872 (15092907)     20.29763 (15092907)     22.04991
(15092907)     21.46548 (15092907)     18.66407 (17010704)
 3602097.5 |     19.13645 (15092907)     17.45675 (15092907)     16.60014
(17092807)     22.01051 (17092807)     25.17285 (17092807)
 3601847.5 |     15.84711 (17092807)     20.03459 (17092807)     21.98130
(17092807)     23.57075 (15092707)     29.62699 (15092707)
 3601597.5 |     19.85858 (17092807)     20.35029 (15092707)     25.46542
(15092707)     27.13637 (15092707)     23.50569 (15092707)
 3601347.5 |     22.52325 (15092707)     24.75466 (15092707)     23.06709
(15092707)     17.59519 (15092707)     10.76781 (17122302)
 3601097.5 |     22.22845 (15092707)     18.51391 (15092707)     12.76455
(15092707)      9.67147 (17122105)     10.22475 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 784
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP19     ***
                                INCLUDING SOURCE(S):     TP19        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.55546 (17040507)    26.92802 (17040507)     26.51753
(17020108)    26.26911 (16121408)    38.75373 (16120208)
 3605847.5 |     24.12717 (17020308)    27.72238 (17040507)     31.76690
(17040507)    30.23100 (17020108)    30.50099 (16121408)
 3605597.5 |     22.88639 (16011506)    27.99731 (16012908)     29.50866
(17020308)    36.41867 (17040507)    34.45490 (17020108)
 3605347.5 |     23.13859 (15010408)    25.38323 (16020408)     30.39140
(16012908)    36.48983 (17020308)    37.94103 (17040507)
 3605097.5 |     22.97921 (15040607)    27.55510 (15040607)     29.82116
(15121608)    33.01746 (16020408)    41.78098 (16012908)
 3604847.5 |     23.66586 (17012508)    25.16527 (15011608)     29.03629
(15011608)    32.46750 (15012401)    39.74399 (15121608)
 3604597.5 |     26.63156 (15040307)    27.79291 (16122808)     29.52456
(16122808)    34.61680 (17012508)    39.25011 (15011608)
 3604347.5 |     26.04876 (17020524)    29.65093 (17020524)     32.15603
(16020401)    33.67057 (15020702)    40.83846 (16011108)
 3604097.5 |     26.00348 (17011708)    30.53453 (16120722)     34.05733
(16120722)    34.77341 (16120722)    39.63835 (16011421)
 3603847.5 |     28.40337 (17122608)    31.14086 (17122608)     33.33420
(17122608)    38.11272 (17122608)    43.24126 (15010808)
 3603597.5 |     24.04735 (15021102)    26.39835 (15021102)     29.17454
(15021102)    33.74721 (16012807)    41.14031 (15011603)
 3603347.5 |     23.55954 (16010308)    25.99692 (16010308)     29.19208
(17011719)    34.28697 (15012720)    40.28361 (16021602)
 3603097.5 |     22.40563 (16021602)    25.14939 (16012803)     28.20291
(16011702)    33.72357 (17120906)    39.11664 (17122623)
 3602847.5 |     21.81466 (15011506)    25.34354 (15092907)     31.06009
(15092907)    33.32235 (15092907)    38.63183 (17010708)
 3602597.5 |     26.55415 (15092907)    24.95708 (15092907)     27.84849
(17092807)    35.34795 (17092807)    45.33306 (15092707)
 3602347.5 |     25.01153 (17092807)    29.63250 (17092807)     35.21417
(15092707)    41.35586 (15092707)    32.75559 (15092707)
 3602097.5 |     28.29196 (15092707)    34.58436 (15092707)     32.73294
(15092707)    21.11701 (15092707)    19.04707 (15012201)
 3601847.5 |     29.85652 (15092707)    23.35319 (15092707)     15.08251
(17122302)    16.38763 (15121422)    17.74742 (17021905)
 3601597.5 |     15.91120 (15092707)    12.74771 (17122105)     14.07769
(15121422)    15.25976 (16121224)    16.26061 (17121505)
 3601347.5 |     11.25522 (15022607)    12.21526 (17012504)     13.17736
(16121224)    14.01632 (17121505)    14.94972 (15120324)
 3601097.5 |     11.03484 (17012504)    11.63830 (16121224)     12.49077
(17121505)    13.14976 (15120324)    13.84901 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 785
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP19      ***
                                  INCLUDING SOURCE(S):      TP19         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
```

```
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     47.54426 (16120208)    34.87974 (15121708)     49.72852
(17021308)    66.64967 (15021508)    54.51891 (17010724)
 3605847.5 |     43.72695 (16120208)    52.49515 (16120208)     44.23958
(16010908)    71.91270 (17021308)    65.44637 (15021508)
 3605597.5 |     35.81914 (16121408)    49.44252 (16120208)     54.76820
(16120208)    64.45118 (15122808)    92.97273 (15021508)
 3605347.5 |     40.70119 (15121803)    44.92343 (17020108)     55.16594
(16120208)    59.77110 (15121708)    59.23055 (17022201)
 3605097.5 |     47.26360 (17020308)    51.29101 (16011607)     62.37879
(17020108)    74.48173 (16120208)    79.04422 (15121708)
 3604847.5 |     45.01206 (16020408)    61.43837 (16012908)     69.60481
(15021008)    90.94728 (17020108)   112.89512 (16120208)
 3604597.5 |     45.96092 (17012703)    57.53932 (15121608)     68.74585
(15011008)    99.63367 (17020308)   134.97129 (17020108)
 3604347.5 |     48.69682 (16122808)    57.25463 (17012508)     69.68364
(15011608)    92.20849 (15121608)   128.56559 (16012908)
 3604097.5 |     47.27683 (16011421)    57.92466 (17020524)     73.07453
(16020401)    92.65414 (16011108)   124.88132 (16122808)
 3603847.5 |     49.55568 (17122608)    59.81447 (15010808)     73.71485
(15010808)    95.16926 (15010808)   131.70237 (17011708)
 3603597.5 |     48.64021 (17122908)    58.39010 (17122908)     71.41458
(17122908)    86.54614 (17011719)   116.99264 (16021602)
 3603347.5 |     46.61525 (16021602)    53.68196 (16011702)     67.63057
(15011506)    87.59403 (17121720)   110.03769 (17121308)
 3603097.5 |     45.36399 (16021406)    52.75063 (17122824)     64.99188
(17121308)    73.59874 (16021107)    59.51780 (17122302)
 3602847.5 |     46.66616 (17121308)    55.79509 (15092707)     51.06977
(15092707)    42.78044 (15121422)    48.87628 (17121505)
 3602597.5 |     46.30362 (15092707)    30.09163 (17122302)     34.18087
(15121422)    36.48457 (17121505)    40.63152 (17010801)
 3602347.5 |     23.36931 (16011206)    26.36828 (17012504)     28.97034
(17121505)    31.76769 (17010801)    34.67568 (16120304)
 3602097.5 |     20.93650 (17021905)    23.18422 (17121505)     24.68261
(17010801)    27.11816 (17012722)    31.89545 (17022103)
 3601847.5 |     19.09569 (17121505)    20.77665 (15120324)     22.14022
(16122704)    23.60948 (17040807)    27.59824 (15121007)
 3601597.5 |     17.45725 (15120324)    18.42383 (16022007)     19.77420
(16120304)    24.97403 (17040807)    29.19109 (17020408)
 3601347.5 |     15.73135 (16021923)    16.95556 (17012722)     22.76965
(17040807)    20.93754 (15041007)    37.97491 (17020408)
 3601097.5 |     14.50372 (16122704)    16.32707 (17040807)     20.70193
(17040807)    22.39488 (15041007)    41.14282 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 786
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP19      ***
                                  INCLUDING SOURCE(S):      TP19         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
```

```
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     62.48662 (17021508)    49.71196 (15022002)     23.25666
(17022408)    14.43516 (16112208)    34.01168 (17032607)
 3605847.5 |     94.29694 (16012808)    71.85631 (16120908)     54.59521
(17022408)    50.07041 (15100707)    81.91268 (17032607)
 3605597.5 |     84.88527 (16020419)    53.65172 (16021807)     54.00150
(16120106)    60.75004 (15010907)   104.49334 (17020819)
 3605347.5 |     59.25981 (15021508)    65.53684 (17021508)     78.91298
(15121906)    48.72721 (15111919)   120.93451 (17020819)
 3605097.5 |     91.20544 (15021508)   159.91651 (16012808)     37.49560
(17022408)    30.70763 (16112208)    49.86984 (17032607)
 3604847.5 |    181.69583 (16010908)   169.74939 (15121303)     68.43328
(17022408)    43.54299 (16112208)    37.60945 (17032607)
 3604597.5 |    166.96610 (15120408)   186.70621 (16021523)     63.06537
(17021508)    68.29273 (16112208)    24.00398 (16111708)
 3604347.5 |    174.54347 (15120308)   239.54113 (15120408)    353.68849
(17010724)   132.05337 (16010424)    59.54537 (17121007)
 3604097.5 |    182.70392 (17012703)   337.48172 (17020308)    580.82467
(15121708)   639.80255 (16010501)   608.02347 (17011520)
 3603847.5 |    204.09106 (17011708)   350.51614 (17011708)    848.13956
(17020524)  3728.27798 (16090406)   629.12600 (17021819)
 3603597.5 |    174.73147 (17120906)   284.50624 (17010708)    373.42033
(16020405)   744.92282 (15012408)   183.21674 (16013009)
 3603347.5 |    133.04356 (16021107)   130.47702 (16020405)    209.18642
(15121007)   306.14105 (17122205)   137.26305 (15020418)
 3603097.5 |     73.70534 (17121505)    92.66207 (16120304)    129.42549
(17020408)   177.81185 (15121123)   165.93961 (15011507)
 3602847.5 |     58.50715 (16122704)    74.18041 (15121007)     83.85670
(15012823)   105.08649 (15121123)   100.42966 (17011319)
 3602597.5 |     48.68605 (17022103)    72.55723 (17020408)     61.65549
(16011319)    76.58112 (15121123)    73.68437 (15020321)
 3602347.5 |     41.47223 (15121007)    68.45082 (17020408)     48.47758
(16010118)    59.17497 (15121123)    57.57213 (16121418)
 3602097.5 |     44.23700 (17020408)    50.31719 (17020408)     38.81867
(16122020)    47.35214 (15121123)    46.40642 (15021622)
 3601847.5 |     52.16709 (17020408)    32.62994 (17020408)     32.38624
(16122020)    39.07210 (15121123)    37.85631 (17122218)
 3601597.5 |     48.94476 (17020408)    26.84098 (17122619)     27.35484
(16022802)    33.01358 (15121123)    32.91085 (17122218)
 3601347.5 |     40.20219 (17020408)    23.04162 (16011319)     23.72241
(16012923)    28.38235 (15121123)    29.86619 (16112308)
 3601097.5 |     29.72638 (17020408)    20.42626 (15022601)     21.03742
(16012923)    24.81605 (15121123)    26.64158 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 787
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP19     ***
                                  INCLUDING SOURCE(S):     TP19        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     24.21629 (17032607)    15.23206 (17121006)     10.02167
(16111708)     7.64988 (17020109)     6.33901 (17020109)
 3605847.5 |     17.56717 (17032607)    76.72603 (15033023)     17.39740
(16083007)     7.90228 (17020109)     7.49989 (16092207)
 3605597.5 |     88.21276 (16121520)    70.67724 (17101124)     52.33719
(15092321)    23.95561 (16100201)    10.29474 (16081907)
 3605347.5 |    118.90235 (16120120)    99.63287 (16120518)    103.48793
(17021903)    21.01970 (16092207)    11.06802 (17121809)
 3605097.5 |     23.59527 (16083007)    11.63101 (17020109)     24.21342
(16092207)    63.17412 (15101307)    17.04410 (15082707)
 3604847.5 |     22.01613 (16111708)    14.51804 (16092207)     15.02592
(17121809)    10.49693 (17032908)    15.90648 (15082707)
 3604597.5 |     16.41161 (17020519)    18.56181 (17121809)     12.78975
(15082707)     9.96291 (17122309)    18.43019 (17032608)
 3604347.5 |     45.62754 (17011903)    31.74185 (15022724)     35.86109
(17032608)    42.64016 (16040707)    47.20283 (16040707)
 3604097.5 |    114.63041 (15121321)    82.18674 (16040707)     45.33055
(16040707)    17.60262 (17082707)    17.08030 (17082707)
 3603847.5 |    232.45504 (17073005)    89.99440 (15061006)     38.79950
(17030408)    27.05416 (17030408)    20.82734 (17030408)
 3603597.5 |     95.44661 (15022408)    54.83213 (17122117)     43.21654
(16121017)    33.66324 (16012017)    24.09457 (15061907)
 3603347.5 |    115.00490 (16013009)    76.20547 (16040807)    197.29232
(15022202)    40.99271 (15021918)   107.38117 (15042322)
 3603097.5 |     69.66604 (17010817)   159.04256 (17122124)    120.00471
(17022804)   165.93164 (15121020)   133.64481 (16121122)
 3602847.5 |    145.44377 (17120621)   100.27139 (16121022)     81.93079
(16121120)    95.47427 (16121203)    73.28875 (17121101)
 3602597.5 |     70.67559 (16121220)    89.09296 (15020908)     71.74395
(16010421)    64.98083 (16121120)    65.68400 (16122817)
 3602347.5 |     54.61761 (17010624)    56.46598 (17120621)     69.65063
(17021408)    54.83000 (16010421)    49.45950 (16121120)
 3602097.5 |     44.58977 (16022321)    41.35869 (17010406)     54.28160
(17120621)    50.98820 (17021408)    77.69678 (16010601)
 3601847.5 |     37.75539 (15011921)    38.70890 (15022808)     35.27540
(16121008)    45.64700 (15020908)    40.39582 (16121022)
 3601597.5 |     32.09308 (17123106)    37.25312 (15022808)     28.74093
(17010406)    36.95100 (17120621)    38.75076 (17021408)
 3601347.5 |     28.04807 (15020321)    27.52484 (15022808)     25.81253
(15022808)    25.39997 (16121008)    32.46540 (15020908)
 3601097.5 |     24.63888 (16121418)    24.07729 (17011319)     30.58861
(15022808)    21.68291 (17010406)    26.61376 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 788
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP19     ***
                                  INCLUDING SOURCE(S):     TP19        ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       510368.86               510618.86               510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.60426 (16092207)      8.51357 (17121809)      8.06657
(17121809)     5.65693 (17032908)
 3605847.5 |      9.14199 (17121809)      8.85391 (17121809)      6.30096
(17032908)     6.38323 (15082707)
 3605597.5 |      9.82740 (17121809)      7.07279 (17032908)      7.09362
(15082707)     5.78979 (15082707)
 3605347.5 |      8.00620 (17032908)      7.73658 (15082707)      5.40761
(15082707)     4.89846 (17122309)
 3605097.5 |      8.74596 (15022724)      5.32920 (15051907)      8.46685
(17122309)    11.03507 (17122309)
 3604847.5 |     12.39917 (16082307)     13.00495 (17122309)     16.50962
(16040707)    26.03297 (16040707)
 3604597.5 |     25.52650 (16040707)     36.04231 (16040707)     34.58887
(16040707)    25.87217 (16040707)
 3604347.5 |     32.79332 (16040707)     17.75076 (16040707)     10.31773
(17082707)    10.83761 (17082707)
 3604097.5 |     15.83325 (16090707)     15.65602 (16090707)     14.82720
(16090707)    13.69416 (16090707)
 3603847.5 |     17.42874 (15062407)     15.94266 (15062407)     14.71396
(15062407)    13.67898 (15062407)
 3603597.5 |     22.79375 (16052106)     16.50059 (15061907)     12.83916
(17042907)    12.79369 (17042907)
 3603347.5 |     47.02333 (15091922)     13.92625 (16121017)      7.79843
(17122709)     7.99954 (15061907)
 3603097.5 |     36.15163 (15022408)     17.89478 (15022408)     11.81079
(17122709)    10.73817 (17122709)
 3602847.5 |    116.13407 (15121020)     36.26375 (16040807)     33.41581
(15022408)    21.72176 (15022408)
 3602597.5 |     88.91955 (15031607)     32.76167 (16040807)     41.04435
(16040807)    31.07831 (16040807)
 3602347.5 |     55.93813 (15013018)     70.88339 (17010220)     44.05590
(16060106)    63.87433 (17011308)
 3602097.5 |     85.41436 (17040307)     37.44080 (17122124)     37.95311
(16121203)    35.09126 (17022804)
 3601847.5 |     47.39668 (16010601)     33.20002 (17122518)     30.71352
(17122124)    29.49008 (16122817)
 3601597.5 |     34.40929 (16121022)     30.63097 (17011224)     29.32659
(17122518)    25.70315 (17122124)
 3601347.5 |     32.32453 (17021408)     25.23030 (16121022)     26.09250
(17011224)    24.41038 (17122518)
 3601097.5 |     28.64135 (15020908)     25.77954 (17021408)     22.48014
(16010421)    23.33916 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 789
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP19     ***
                                  INCLUDING SOURCE(S):     TP19        ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      426.47493  (15011608)
507708.67   3603932.32      144.89933  (16011421)
        506203.59   3603369.23       36.11573  (17011719)
507919.87   3604794.52      196.16663  (16010223)
        507037.89   3604916.08       64.05727  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 790
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP2      ***
                                  INCLUDING SOURCE(S):     TP2         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                   X-COORD (METERS)
  (METERS) |       504118.86               504368.86               504618.86
504868.86               505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.89857 (15011008)     15.18667 (16120805)     17.82609
(16012908)    18.84880 (17020308)     22.07235 (17040507)
 3605847.5 |     14.09945 (15040607)     14.57654 (16020408)     15.53137
(15011008)    19.00423 (16012908)     21.67883 (17020308)
 3605597.5 |     16.77929 (15040607)     17.41484 (15040607)     17.10818
(15040607)    17.97603 (16020408)     19.64977 (15011008)
 3605347.5 |     15.12954 (15040607)     17.30053 (15040607)     18.71271
(15040607)    19.46477 (15040607)     20.23339 (15040607)
 3605097.5 |     15.07738 (17012508)     16.63409 (17012508)     17.21419
(15011608)    18.45299 (15011608)     20.69237 (15040607)
 3604847.5 |     19.45509 (15040307)     18.09712 (16021108)     17.66364
(16122808)    18.98549 (17012508)     22.16129 (17012508)
 3604597.5 |     17.72625 (15040307)     20.48900 (15040307)     22.91678
(15040307)    24.82917 (15040307)     25.46641 (15040307)
 3604347.5 |     15.74388 (16040507)     17.09756 (17092707)     19.22228
(17092707)    21.25711 (17092707)     22.98566 (17092707)
 3604097.5 |     17.98343 (16040507)     19.80489 (16040507)     21.07064
(16040507)    22.51569 (16040507)     23.99393 (16040507)
 3603847.5 |     15.68598 (15010808)     17.06992 (15010808)     18.99004
(15010808)    20.49210 (15010808)     22.86298 (15010808)
 3603597.5 |     19.49929 (17021608)     20.36105 (17021608)     21.74498
(17021608)    22.87335 (17021608)     23.71743 (17021608)
 3603347.5 |     14.27858 (16012807)     15.60597 (16012807)     17.04839
(16012807)    18.73534 (15011603)     21.00066 (17122908)
 3603097.5 |     14.39136 (16010308)     15.55009 (16010308)     16.71188
(17021402)    18.66700 (17011719)     20.33784 (17011719)
 3602847.5 |     14.05084 (15012720)     15.17788 (16021602)     16.67129
(16021602)    17.52766 (16012803)     19.53066 (16012803)
 3602597.5 |     13.59044 (16012803)     14.78189 (16011702)     16.32439
(17120906)    17.76444 (15011506)     21.33485 (15092907)
 3602347.5 |     13.85638 (15092907)     17.74160 (15092907)     21.08174
(15092907)    22.75960 (15092907)     22.09752 (15092907)
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 3602097.5 |     19.56616 (15092907)     19.51821 (15092907)     17.46974
(15092907)     18.63965 (17092807)     24.10355 (17092807)
 3601847.5 |     13.85617 (15092907)     17.50990 (17092807)     21.32571
(17092807)     22.31351 (17092807)     27.18212 (15092707)
 3601597.5 |     19.41275 (17092807)     20.04287 (17092807)     23.07319
(15092707)     27.19995 (15092707)     26.36459 (15092707)
 3601347.5 |     20.19881 (15092707)     24.17487 (15092707)     24.73629
(15092707)     20.90014 (15092707)     14.10237 (15092707)
 3601097.5 |     23.04627 (15092707)     20.92619 (15092707)     15.82376
(15092707)      9.69118 (17122302)     10.07198 (15022607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 791
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP2      ***
                                 INCLUDING SOURCE(S):     TP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     26.82713 (17040507)     23.06257 (17020108)     24.49976
(17020108)     25.31938 (16120208)     42.24106 (16120208)
 3605847.5 |     22.16181 (17040507)     29.46767 (17040507)     26.25770
(17040507)     29.19167 (17020108)     29.38417 (16120624)
 3605597.5 |     24.45057 (16012908)     27.01734 (17020308)     31.12944
(17040507)     32.64128 (17040507)     35.08084 (17020108)
 3605347.5 |     22.24525 (16020408)     25.09644 (16011506)     31.52592
(16012908)     32.51866 (17020308)     38.29297 (17040507)
 3605097.5 |     23.19443 (15040607)     25.73139 (15121608)     28.47417
(16020408)     33.56655 (16012908)     41.35827 (17020308)
 3604847.5 |     22.71892 (15011608)     24.82825 (15011608)     28.68034
(15040607)     33.15089 (15121608)     37.80221 (16020408)
 3604597.5 |     24.46303 (16122808)     25.78983 (17012508)     30.34196
(17012508)     33.38739 (15011608)     37.21997 (17012703)
 3604347.5 |     25.12619 (16020401)     29.86714 (15040307)     32.50308
(15040307)     35.45041 (16122808)     40.65017 (16122808)
 3604097.5 |     25.31082 (16040507)     28.78527 (16011421)     32.42754
(16011421)     34.61308 (15122708)     40.02548 (17122422)
 3603847.5 |     25.80612 (17121406)     28.66547 (17011708)     31.97967
(17011708)     37.25451 (17011708)     43.45950 (17011708)
 3603597.5 |     25.24909 (17021608)     26.13589 (17021608)     28.99219
(17121523)     33.02779 (17121523)     39.01924 (15021102)
 3603347.5 |     23.72966 (17122908)     26.68832 (17122908)     29.74135
(17122908)     34.07668 (16010308)     39.09779 (17011719)
 3603097.5 |     22.41922 (15012720)     25.40909 (16021602)     27.77642
(16021602)     32.45258 (16012803)     38.33053 (17120906)
 3602847.5 |     21.64807 (16011702)     24.66436 (17120906)     27.41903
(17122623)     33.76725 (15092907)     36.89308 (17122824)
 3602597.5 |     25.89756 (15092907)     27.99875 (15092907)     26.51716
(17122824)     32.28126 (17092807)     37.06368 (17092807)
 3602347.5 |     20.88747 (17010708)     27.81853 (17092807)     30.36330
(17092807)     40.00013 (15092707)     39.06845 (15092707)
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 3602097.5 |     25.62688 (17092807)     32.40230 (15092707)     35.75007
(15092707)     27.61442 (15092707)     19.06539 (17122105)
 3601847.5 |     31.00342 (15092707)     27.83773 (15092707)     18.13043
(15092707)     16.16753 (15022607)     17.78460 (17012504)
 3601597.5 |     20.18178 (15092707)     12.85595 (17122302)     13.82694
(15012201)     15.23442 (17021905)     16.11294 (16020405)
 3601347.5 |     11.21995 (17122105)     12.20092 (15121422)     13.13597
(17021905)     13.84884 (17011920)     14.88112 (15013101)
 3601097.5 |     10.94707 (15121422)     11.54799 (16121224)     12.29377
(17011920)     13.06330 (15013101)     13.97962 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 792
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP2      ***
                                 INCLUDING SOURCE(S):     TP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     39.99591 (16120208)     33.23455 (16010908)     53.28354
(17021308)     54.94262 (15021508)     59.89301 (17021508)
 3605847.5 |     47.13254 (16120208)     41.49084 (16120208)     39.67381
(15122808)     68.18838 (15021508)     48.94603 (15021508)
 3605597.5 |     35.05013 (16121408)     52.50689 (16120208)     46.36506
(15121708)     58.63325 (17021308)     80.01504 (15021508)
 3605347.5 |     42.72939 (17020108)     43.02415 (16121408)     57.45576
(16120208)     55.10354 (16120708)     60.35331 (15021508)
 3605097.5 |     43.28577 (15021008)     51.52602 (17020108)     55.67555
(16121408)     73.19753 (16120208)     70.13726 (16010908)
 3604847.5 |     48.54462 (16012908)     55.33417 (17020308)     62.01662
(15121803)     75.83096 (16121408)     98.69638 (16120208)
 3604597.5 |     45.67875 (15121608)     54.23441 (16020408)     74.44080
(16012908)     84.12549 (15120308)    109.13954 (16121408)
 3604347.5 |     48.08954 (17012508)     55.34554 (15011608)     66.03067
(15121608)     87.12099 (16020408)    125.25912 (17020308)
 3604097.5 |     47.27340 (16020401)     57.13533 (17013020)     74.78922
(16122808)     93.87557 (17012508)    117.26045 (17012703)
 3603847.5 |     51.40064 (17011708)     62.10744 (17011708)     75.90561
(17011708)     93.70982 (16120722)    127.88649 (16011421)
 3603597.5 |     45.85431 (15021102)     54.95579 (15021102)     68.35299
(16012807)     90.20849 (17122908)    126.50267 (17122908)
 3603347.5 |     46.30909 (15012720)     53.93047 (16021602)     65.80769
(16012803)     86.08953 (15011506)    110.59395 (17121720)
 3603097.5 |     44.37413 (15011506)     51.42301 (16121801)     62.34407
(17010708)     78.55506 (17121308)     84.15916 (16021107)
 3602847.5 |     44.05989 (17010708)     49.97430 (17121308)     59.88814
(15092707)     43.85752 (17122302)     52.09278 (16121224)
 3602597.5 |     47.95498 (15092707)     41.23564 (15092707)     33.60032
(15022607)     37.79615 (16020405)     43.38331 (17010801)
 3602347.5 |     24.55125 (15092707)     26.40523 (15121422)     29.42893
(16020405)     32.58679 (15120324)     36.54681 (17012722)
```

```
 3602097.5 |     21.02402 (17012504)     23.37793 (16020405)     25.59706
(15120324)     28.24288 (16122704)     32.54079 (17022103)
 3601847.5 |     19.11172 (16020405)     21.06520 (15120324)     22.33918
(17022221)     24.60397 (17011624)     28.89347 (17022603)
 3601597.5 |     17.41006 (15013101)     18.63918 (16021923)     20.16590
(17012722)     25.88608 (17040807)     26.99484 (17020408)
 3601347.5 |     16.03561 (17010801)     16.95020 (17012722)     21.29541
(17040807)     21.01440 (17022603)     36.71459 (17020408)
 3601097.5 |     14.82053 (16122704)     15.74028 (17011624)     21.77915
(17040807)     22.20522 (15041007)     40.84169 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 793
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP2      ***
                                 INCLUDING SOURCE(S):     TP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     59.41757 (17020920)     59.29495 (17020823)     21.82177
(15123009)     13.31113 (16112208)     33.84950 (17032607)
 3605847.5 |     87.27424 (16012808)     44.25968 (16121101)     63.07722
(16120106)     71.74619 (15100707)     85.90299 (16010501)
 3605597.5 |     96.96945 (16012808)     43.53811 (16021807)     47.12407
(16120106)     54.48692 (15010907)     93.04919 (16010501)
 3605347.5 |     50.67181 (17021508)     51.28400 (16021807)    103.99648
(16120106)     84.16204 (15100707)     97.46435 (17032607)
 3605097.5 |     79.08840 (15021508)    125.47179 (16012808)     43.66454
(15092607)     25.53430 (16112208)     46.99075 (17032607)
 3604847.5 |    119.91612 (17022201)    110.61468 (17021508)     83.77849
(16031803)     34.61303 (16112208)     35.41356 (17032607)
 3604597.5 |    143.04763 (15121708)    203.78725 (17022504)     68.06278
(17022408)     50.59472 (16112208)     23.35010 (16083007)
 3604347.5 |    161.78619 (17020108)    208.19248 (16010908)    236.58826
(15010807)    200.41745 (15110104)     57.61087 (15122318)
 3604097.5 |    180.89189 (16012908)    309.03987 (17020108)    376.98072
(15120107)    464.47073 (16010501)    515.39916 (16121519)
 3603847.5 |    191.09690 (17020524)    352.93784 (16122808)    948.17135
(17020308)   1683.12321 (16120120)    709.27244 (17011103)
 3603597.5 |    180.33176 (16010308)    311.63901 (16011702)    763.10949
(16021107)   1877.99127 (15021419)    304.46861 (15022408)
 3603347.5 |    160.48131 (17121308)    153.51273 (15121422)    263.42595
(17022103)    379.54892 (15021621)    239.14632 (17081204)
 3603097.5 |     80.64461 (17021905)    106.07299 (17011608)    147.24469
(16010102)    193.99608 (16022219)    168.63448 (17010406)
 3602847.5 |     62.90832 (17010801)     83.48479 (16011119)     95.36926
(15012823)    119.97915 (17122205)    112.14794 (15021419)
 3602597.5 |     50.24523 (17011624)     70.45769 (17020408)     67.54317
(16011319)     84.22234 (17121519)     81.08744 (15011921)
 3602347.5 |     44.45741 (16011119)     70.48125 (17020408)     52.35829
(16010118)     63.89354 (15121123)     62.46315 (15020321)
```

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 3602097.5 |     41.49492 (17020408)     52.66416 (17020408)     41.71816
(16122020)     50.82601 (15121123)     49.61803 (17121306)
 3601847.5 |     51.60168 (17020408)     34.13575 (17020408)     34.13908
(16022802)     41.69316 (15121123)     40.83622 (15021622)
 3601597.5 |     49.72678 (17020408)     28.08915 (17122619)     28.69444
(16022802)     35.01882 (15121123)     34.02173 (17122218)
 3601347.5 |     41.28620 (17020408)     23.94279 (16011319)     24.71126
(16012923)     29.95806 (15121123)     30.30757 (16112308)
 3601097.5 |     30.66765 (17020408)     21.02774 (15022601)     21.57371
(16012923)     26.03787 (15121123)     27.48331 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 794
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP2      ***
                                 INCLUDING SOURCE(S):     TP2         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     23.50487 (17032607)     23.51699 (15021924)      9.50519
(16111708)      7.33149 (17020109)      6.53632 (17020109)
 3605847.5 |     17.23963 (17032607)     65.17387 (16120120)     17.27793
(16083007)      7.89838 (17020109)      6.31586 (16092207)
 3605597.5 |    101.74951 (16121520)     63.61062 (15033023)     71.87844
(17032207)     36.95177 (16100201)      9.57920 (16081907)
 3605347.5 |    120.87013 (16120120)     93.55847 (15121319)    110.89994
(17021903)     20.38155 (16092207)     11.14451 (17121809)
 3605097.5 |     23.47523 (16111708)     11.23300 (17020109)     21.49729
(16092207)     86.69615 (15101307)     14.03916 (15082707)
 3604847.5 |     20.48052 (16111708)     10.67043 (16092207)     14.77167
(17121809)     11.86141 (15110508)     18.26431 (15082707)
 3604597.5 |     15.19207 (17020109)     17.75163 (17121809)     12.10355
(17032908)      9.06304 (15082707)     12.06023 (17122309)
 3604347.5 |     44.62274 (17121809)     33.65304 (15022724)     17.10465
(17032608)     28.57960 (17032608)     40.61134 (16040707)
 3604097.5 |    203.29220 (15121624)     61.66204 (16091707)     62.74402
(16040707)     39.59476 (16040707)     17.57780 (16040707)
 3603847.5 |    400.68321 (17122021)    152.00938 (15090204)     52.65308
(16090707)     21.89412 (16090707)     17.99638 (16090707)
 3603597.5 |     80.33425 (15020117)     67.01647 (16012017)     59.83442
(17012817)     42.48660 (17012817)     29.78427 (16052106)
 3603347.5 |     69.36035 (15030308)    145.27254 (15022408)    237.44570
(17021020)     58.94812 (15091922)    153.33248 (15011222)
 3603097.5 |    127.50159 (17082824)    161.68236 (16122817)    113.86279
(15121020)    129.26286 (17010923)    102.37566 (17022524)
 3602847.5 |    160.79665 (15020908)    109.43696 (17011224)     89.05943
(15013018)     85.87476 (17022804)     80.09806 (16040807)
 3602597.5 |     72.16512 (17010406)     98.88968 (17021408)     77.40103
(17011224)     66.44951 (17122124)     60.62092 (16121203)
 3602347.5 |     58.06455 (15011507)     72.15355 (17120621)     65.66919
(17021408)     57.92625 (17011224)     50.27162 (17122124)
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 3602097.5 |     47.48124 (15021419)     42.53798 (17010406)     59.49911
(15020908)     49.29894 (16121022)     59.88350 (17011224)
 3601847.5 |     39.59087 (17011319)     37.48260 (16121220)     44.27345
(17120621)     48.76871 (17021408)     37.83767 (16121022)
 3601597.5 |     33.40115 (16122021)     37.72557 (15022808)     29.14492
(17122024)     39.34084 (17120621)     39.04459 (17021408)
 3601347.5 |     28.92486 (17123106)     32.16207 (15022808)     26.20377
(16121220)     29.55745 (17120621)     34.88464 (15020908)
 3601097.5 |     25.35361 (15020321)     24.65081 (16022321)     27.97954
(15022808)     21.75723 (17122024)     29.45934 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 795
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP2      ***
                                INCLUDING SOURCE(S):     TP2         ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      6.81667 (16092207)      7.92277 (17121809)      8.22348
(17121809)      6.20368 (17121809)
 3605847.5 |      8.35172 (17121809)      9.00174 (17121809)      6.65905
(17121809)      6.26678 (17032908)
 3605597.5 |      9.95269 (17121809)      7.18643 (17121809)      6.77817
(17032908)      6.31747 (15082707)
 3605347.5 |      7.80284 (17121809)      7.60209 (15082707)      6.30526
(15082707)      3.68150 (15082707)
 3605097.5 |     12.51290 (15110508)      5.90042 (15082707)      6.06645
(17122309)      9.20889 (17122309)
 3604847.5 |     14.95417 (15022818)     12.45599 (16082307)     12.66736
(17122309)     17.75970 (16040707)
 3604597.5 |     16.05186 (17032608)     26.32495 (16040707)     33.69528
(16040707)     31.61188 (16040707)
 3604347.5 |     41.66699 (16040707)     29.84548 (16040707)     17.31690
(16040707)      8.88675 (16040707)
 3604097.5 |     14.33930 (17082707)     13.81348 (17082707)     12.69783
(16090707)     12.84865 (16090707)
 3603847.5 |     15.92732 (17030408)     14.64502 (17030408)     13.66696
(17030408)     12.82849 (17030408)
 3603597.5 |     32.36188 (15062407)     15.38277 (15062407)     14.59393
(15062407)     13.84598 (15062407)
 3603347.5 |     69.56478 (15051124)     16.15983 (15020117)     11.73502
(15061907)     10.87979 (15061907)
 3603097.5 |     40.99290 (15111922)     12.84186 (17122709)     11.29728
(17122709)      9.36721 (17122709)
 3602847.5 |     85.93995 (16040807)     36.78378 (15022408)     23.74136
(15022408)     11.43071 (15022408)
 3602597.5 |     97.35691 (16120121)     43.31944 (16040807)     36.11555
(16040807)     32.00969 (15022408)
 3602347.5 |     53.72944 (16122817)     62.62487 (17022804)     66.75973
(17011308)     74.67734 (15121020)
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 3602097.5 |     51.21465 (17122124)     38.04625 (16122817)     35.28730
(17022804)     33.80767 (17121101)
 3601847.5 |     48.05544 (17021621)     31.28423 (17122124)     31.05596
(15013018)     28.56753 (16121203)
 3601597.5 |     33.53410 (16010421)     30.83921 (17021621)     27.03888
(16012022)     26.39784 (16013009)
 3601347.5 |     29.80342 (17021408)     27.74293 (16010421)     26.16759
(17021621)     22.82369 (16121120)
 3601097.5 |     30.05889 (17021408)     25.75471 (16121022)     23.91146
(16010421)     22.97485 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 796
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP2      ***
                                INCLUDING SOURCE(S):     TP2         ,

                                        *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      462.25130  (17020308)
507708.67   3603932.32      149.70313  (16122808)
        506203.59   3603369.23       35.96778  (16010308)
507919.87   3604794.52      128.35422  (15120107)
        507037.89   3604916.08       57.54603  (15121803)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 797
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP20     ***
                                INCLUDING SOURCE(S):     TP20        ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.26506 (16020408)     14.23686 (15011008)     17.29853
(16012908)     19.35123 (17020308)     19.24919 (17020308)
 3605847.5 |     15.93514 (15040607)     14.91304 (15010408)     15.81992
(16020408)     17.75851 (16011506)     22.03858 (16012908)
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 3605597.5 |     16.46465 (15040607)     18.25159 (15040607)     19.39585
(15040607)     18.78499 (15010408)     20.24377 (16020408)
 3605347.5 |     14.75756 (15012821)     15.59543 (15011608)     17.81943
(15040607)     19.94481 (15040607)     22.84619 (15040607)
 3605097.5 |     15.21837 (16122808)     16.65383 (17012508)     18.44032
(17012508)     18.30401 (17012508)     20.24596 (15011608)
 3604847.5 |     21.50128 (15040307)     21.62054 (15040307)     19.94809
(15040307)     19.74498 (16122808)     21.94220 (17012508)
 3604597.5 |     18.62492 (17092707)     19.07770 (17092707)     20.79288
(15040307)     24.70263 (15040307)     28.33471 (15040307)
 3604347.5 |     18.86533 (16040507)     18.84278 (16040507)     18.74152
(16040507)     20.41493 (16011421)     23.16738 (15122708)
 3604097.5 |     16.38683 (17011708)     18.23022 (17011708)     19.60498
(17011708)     21.38370 (17011708)     23.51389 (17011708)
 3603847.5 |     17.59520 (17021608)     18.68821 (17021608)     20.31057
(17021608)     21.86256 (17122608)     24.83729 (17122608)
 3603597.5 |     17.32697 (17021608)     17.75711 (17021608)     18.60737
(17021608)     19.22337 (15021102)     21.10848 (15021102)
 3603347.5 |     14.52781 (15011603)     16.07443 (17122908)     17.98790
(17122908)     19.74786 (17122908)     21.61466 (17122908)
 3603097.5 |     14.33646 (17021402)     15.46746 (17011719)     16.95048
(17011719)     19.18595 (15012720)     20.45503 (16021602)
 3602847.5 |     14.17884 (16021602)     15.06870 (16021602)     16.64518
(16012803)     18.00972 (16011702)     19.82105 (17120906)
 3602597.5 |     13.80347 (16011702)     15.05443 (17120906)     16.54155
(15011506)     20.47903 (15092907)     24.68870 (15092907)
 3602347.5 |     17.13616 (15092907)     20.31756 (15092907)     22.09466
(15092907)     21.52795 (15092907)     18.72648 (17010704)
 3602097.5 |     19.18085 (15092907)     17.50764 (15092907)     16.62543
(17092807)     22.05485 (17092807)     25.22492 (17092807)
 3601847.5 |     15.87089 (17092807)     20.07130 (17092807)     22.02089
(17092807)     23.64362 (15092707)     29.70074 (15092707)
 3601597.5 |     19.89089 (17092807)     20.40889 (15092707)     25.52691
(15092707)     27.17444 (15092707)     23.49708 (15092707)
 3601347.5 |     22.57643 (15092707)     24.79438 (15092707)     23.07436
(15092707)     17.56585 (15092707)     10.79748 (17122302)
 3601097.5 |     22.24510 (15092707)     18.50043 (15092707)     12.72855
(15092707)      9.69879 (17122105)     10.25571 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 798
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.73461 (17040507)     26.56533 (17040507)     26.54265
(17020108)     26.35593 (16121408)     39.46202 (16120208)
 3605847.5 |     24.11039 (17020308)     28.14992 (17040507)     31.55509
(17040507)     30.40460 (17020108)     30.69229 (16121408)
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 3605597.5 |     23.10062 (16011506)     28.04598 (16012908)     29.25568
(17020308)     36.50836 (17040507)     34.88019 (17020108)
 3605347.5 |     23.26549 (15010408)     25.38497 (16020408)     30.86483
(16012908)     36.61112 (17020308)     38.50674 (17040507)
 3605097.5 |     23.13791 (15040607)     27.54436 (15040607)     29.83753
(15121608)     32.99088 (16020408)     42.24286 (16012908)
 3604847.5 |     23.74136 (17012508)     25.35628 (15011608)     28.93076
(15011608)     32.61635 (15012401)     39.85815 (15121608)
 3604597.5 |     26.51908 (15040307)     27.89520 (16122808)     29.41487
(16122808)     34.79150 (17012508)     39.52281 (15011608)
 3604347.5 |     26.20273 (17020524)     29.71272 (17020524)     32.23692
(16020401)     33.77126 (17013020)     41.09670 (16011108)
 3604097.5 |     25.99160 (16040507)     30.71657 (16120722)     34.18510
(16120722)     34.78693 (16120722)     39.93465 (16011421)
 3603847.5 |     28.43975 (17122608)     31.19615 (15010808)     33.41035
(15010808)     38.28083 (15010808)     43.43938 (15010808)
 3603597.5 |     24.11367 (15021102)     26.50436 (15021102)     29.33752
(15021102)     33.88280 (16012807)     41.33008 (16012807)
 3603347.5 |     23.65310 (16010308)     26.14757 (16010308)     29.28791
(17011719)     34.47761 (17011719)     40.47241 (16021602)
 3603097.5 |     22.50533 (16021602)     25.22654 (16012803)     28.30726
(16011702)     33.88942 (17120906)     39.34198 (15011506)
 3602847.5 |     21.88340 (15011506)     25.34398 (15092907)     31.12459
(15092907)     33.45305 (15092907)     38.83557 (17010708)
 3602597.5 |     26.62718 (15092907)     25.05239 (15092907)     27.91884
(17092807)     35.45128 (17092807)     45.53025 (15092707)
 3602347.5 |     25.06869 (17092807)     29.70486 (17092807)     35.34846
(15092707)     41.45544 (15092707)     32.71979 (15092707)
 3602097.5 |     28.38807 (15092707)     34.67070 (15092707)     32.74635
(15092707)     21.04238 (15092707)     19.14581 (15012201)
 3601847.5 |     29.88802 (15092707)     23.31871 (15092707)     15.12681
(17122302)     16.46908 (15121422)     17.80784 (17021905)
 3601597.5 |     15.86157 (15092707)     12.79600 (15022607)     14.12726
(15121422)     15.32380 (16121224)     16.33034 (17121505)
 3601347.5 |     11.28663 (15022607)     12.26333 (17012504)     13.22036
(16121224)     14.07066 (17121505)     15.00808 (15120324)
 3601097.5 |     11.06799 (17012504)     11.66795 (16121224)     12.53552
(17121505)     13.20631 (15120324)     13.87201 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 799
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     47.09769 (16120208)     34.53824 (15121708)     51.40622
(17021308)     66.25953 (15021508)     55.49099 (17021508)
 3605847.5 |     44.52751 (16120208)     51.72763 (16120208)     44.22859
(16010908)     72.80691 (15021508)     64.93284 (17021122)
```

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 3605597.5 |     36.18942 (16121408)     50.33868 (16120208)     53.55415
(16120208)     64.82165 (15122808)     92.55750 (15021508)
 3605347.5 |     40.81111 (15121803)     44.21043 (17020108)     56.13302
(16120208)     60.18181 (15121708)     59.73533 (17021308)
 3605097.5 |     46.88283 (17020308)     51.53972 (16011607)     61.75709
(17020108)     75.72497 (16120208)     78.18449 (15121708)
 3604847.5 |     44.90357 (16020408)     61.58811 (16012908)     69.70996
(15021008)     90.92597 (17020108)    114.59675 (16120208)
 3604597.5 |     46.20958 (17012703)     57.95769 (15121608)     69.68244
(16011506)     99.16083 (17020308)    137.28789 (17020108)
 3604347.5 |     48.80677 (16122808)     57.76478 (17012508)     69.95071
(15011608)     93.75064 (15121608)    132.69634 (16012908)
 3604097.5 |     47.39789 (16011421)     58.40741 (17020524)     73.45369
(16020401)     93.82390 (16011108)    127.42057 (17012508)
 3603847.5 |     49.73484 (15010808)     60.05411 (15010808)     73.96940
(15010808)     95.39533 (15010808)    134.39658 (17011708)
 3603597.5 |     48.78311 (17122908)     58.75883 (17122908)     72.21220
(17122908)     87.23611 (17011719)    118.34771 (16021602)
 3603347.5 |     47.01429 (16021602)     54.03113 (16011702)     68.19181
(15011506)     88.38332 (17121720)    111.24858 (17121308)
 3603097.5 |     45.67442 (16021406)     53.11458 (17122824)     65.48207
(17121308)     74.21328 (16021107)     59.97585 (17122302)
 3602847.5 |     46.94921 (17121308)     56.05885 (15092707)     51.06413
(15092707)     43.18640 (15121422)     49.34814 (17121505)
 3602597.5 |     46.38439 (15092707)     30.26804 (17122302)     34.37416
(15121422)     36.76377 (17121505)     40.77712 (16021923)
 3602347.5 |     23.47326 (16011206)     26.49696 (17012504)     29.15631
(17121505)     31.95201 (17010801)     34.83955 (16120304)
 3602097.5 |     21.03779 (17021905)     23.31141 (17121505)     24.86669
(17010801)     27.32092 (17012722)     32.15848 (17022103)
 3601847.5 |     19.18723 (17121505)     20.82957 (15120324)     22.23586
(16122704)     24.10032 (17040807)     27.78714 (15121007)
 3601597.5 |     17.51591 (15120324)     18.49583 (16022007)     19.83279
(16120304)     24.80957 (17040807)     30.07843 (17020408)
 3601347.5 |     15.77644 (16021923)     17.01998 (17012722)     23.00125
(17040807)     21.22476 (15041007)     38.63182 (17020408)
 3601097.5 |     14.53751 (16011202)     16.67698 (17040807)     20.49535
(17040807)     22.47421 (15041007)     41.40841 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 800
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     60.42829 (17021508)     49.40361 (17020823)     22.63918
(17022408)     14.14499 (16112208)     34.83583 (17032607)
 3605847.5 |     95.05329 (16012808)     71.96300 (16120908)     53.50930
(17022408)     49.93631 (15100707)     83.07459 (17032607)
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 3605597.5 |     84.62071 (16020419)     52.97133 (16021807)     54.02459
(16120106)     61.18460 (15010907)    104.54116 (17020819)
 3605347.5 |     57.03663 (15021508)     63.17918 (17021508)     77.73375
(15121906)     49.24094 (15111919)    122.49969 (17120924)
 3605097.5 |     91.60439 (15021508)    163.45619 (16012808)     38.41667
(17022408)     29.63460 (16112208)     47.61229 (17032607)
 3604847.5 |    181.31474 (17021107)    171.61538 (15121303)     72.70905
(17022408)     41.66850 (16112208)     34.28519 (17032607)
 3604597.5 |    166.37952 (15120408)    184.44961 (16021523)     61.01533
(15013009)     64.41282 (16112208)     25.32520 (16111708)
 3604347.5 |    173.81817 (15120308)    246.05897 (15123008)    349.23174
(16020419)    143.30157 (17032607)     58.79527 (17121007)
 3604097.5 |    184.78675 (17012703)    343.54637 (17020308)    578.73599
(15121708)    682.50174 (16010501)    608.56674 (17011520)
 3603847.5 |    207.99048 (17011708)    354.49972 (17011708)    881.17242
(16020401)   3380.60564 (15101823)    610.70584 (16030902)
 3603597.5 |    177.40405 (17120906)    290.83751 (17010708)    387.37988
(16020405)    726.64762 (16061306)    172.65533 (16012917)
 3603347.5 |    134.30122 (16021107)    132.49172 (17121505)    214.63076
(15021805)    309.06670 (16022219)    137.27660 (16123017)
 3603097.5 |     74.67057 (17121505)     93.65583 (16120304)    128.43504
(17020408)    179.67586 (17122205)    165.77604 (15011507)
 3602847.5 |     59.03828 (16122704)     75.00656 (15121007)     84.39862
(17020905)    104.93833 (15121123)    100.56473 (17011319)
 3602597.5 |     49.51852 (17022103)     74.21113 (17020408)     61.97634
(15022601)     76.70619 (15121123)     73.75299 (17123106)
 3602347.5 |     41.81802 (15121007)     68.17613 (17020408)     48.59924
(16010118)     59.36866 (15121123)     57.86695 (16121418)
 3602097.5 |     45.52339 (17020408)     49.20818 (17020408)     39.11087
(16122020)     47.55028 (15121123)     46.41301 (15021622)
 3601847.5 |     52.73869 (17020408)     31.51054 (17020408)     32.38011
(16122020)     39.25735 (15121123)     37.96013 (15021622)
 3601597.5 |     48.79834 (17020408)     26.95095 (17122619)     27.39427
(16022802)     33.18181 (15121123)     32.93266 (17122218)
 3601347.5 |     39.64982 (17020408)     23.09655 (16011319)     23.81815
(16012923)     28.53326 (15121123)     30.05549 (16112308)
 3601097.5 |     29.06956 (17020408)     20.47169 (15022601)     21.05106
(16012923)     24.95187 (15121123)     26.93144 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 801
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     23.14176 (17032607)     14.78658 (17121006)     10.06300
(16111708)      7.65295 (17020109)      6.27126 (17020109)
 3605847.5 |     16.47430 (17032607)     75.68817 (15033023)     17.24002
(16083007)      7.84369 (17020109)      7.57862 (16092207)
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 3605597.5 |     86.93149 (16121520)     70.02293 (17101124)     51.54130
(15092321)     23.68733 (16100201)     10.29043 (16081907)
 3605347.5 |    115.84402 (16120120)    100.63181 (16120518)    101.56693
(17021903)     20.88974 (16092207)     10.99900 (17121809)
 3605097.5 |     23.88206 (16083007)     11.55442 (17020109)     24.21370
(16092207)     62.23793 (15101307)     17.07518 (15082707)
 3604847.5 |     21.48268 (16111708)     14.67109 (16092207)     14.90940
(17121809)     10.47278 (15082707)     15.76206 (15082707)
 3604597.5 |     16.08081 (17020519)     18.39366 (17121809)     12.72076
(15082707)      9.97516 (17122309)     18.29558 (17032608)
 3604347.5 |     44.92867 (17011903)     30.79799 (15022724)     35.47101
(17032608)     42.34105 (16040707)     47.05238 (16040707)
 3604097.5 |    112.71481 (15121321)     81.14843 (16040707)     45.52504
(16040707)     17.41069 (17082707)     16.98140 (17082707)
 3603847.5 |    227.44246 (17073005)     86.17072 (15061006)     38.38817
(16090707)     26.80893 (17030408)     20.72915 (17030408)
 3603597.5 |     90.13601 (15022408)     54.21647 (16011417)     42.11138
(16121017)     33.69482 (16012017)     24.15327 (15061907)
 3603347.5 |    117.65571 (16013009)     79.36833 (16040807)    195.32548
(15022202)     40.28435 (17122717)    105.86344 (15042322)
 3603097.5 |     71.09751 (17010817)    162.15198 (17122124)    119.06168
(17022804)    168.84347 (15121020)    135.12595 (15022202)
 3602847.5 |    150.49151 (17120621)     98.47061 (16121022)     80.53237
(16121120)     95.12732 (16121203)     73.33226 (16121121)
 3602597.5 |     70.32533 (16121220)     89.36797 (15020908)     72.33232
(16010421)     64.40267 (16121120)     65.87065 (16122817)
 3602347.5 |     54.76499 (17010624)     58.63414 (17120621)     69.49609
(17021408)     54.86507 (16010601)     49.21760 (16121120)
 3602097.5 |     44.58639 (16022321)     41.59396 (17010406)     54.27410
(17120621)     50.03087 (17021408)     78.20259 (16010601)
 3601847.5 |     37.79050 (15011921)     37.79995 (15022808)     35.73064
(17120621)     45.57547 (15020908)     40.41984 (16121022)
 3601597.5 |     32.01134 (17123106)     37.62836 (15022808)     28.76916
(17010406)     37.32975 (17120621)     38.85881 (17021408)
 3601347.5 |     28.06617 (15020321)     28.51347 (15022808)     25.54667
(16121220)     25.52897 (16121008)     32.86311 (15020908)
 3601097.5 |     24.67258 (16121418)     24.10288 (17011319)     30.30257
(15022808)     21.65343 (17010406)     27.03554 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 802
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.63861 (16092207)      8.52284 (17121809)      8.02596
(17121809)      5.66352 (17032908)
 3605847.5 |      9.16049 (17121809)      8.80650 (17121809)      6.30482
(17032908)      6.38120 (15082707)
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 3605597.5 |      9.77094 (17121809)      7.07186 (17032908)      7.08115
(15082707)      5.75708 (15082707)
 3605347.5 |      7.99687 (17032908)      7.70862 (15082707)      5.36742
(15082707)      4.90542 (17122309)
 3605097.5 |      8.62824 (15022724)      5.30437 (15051907)      8.46286
(17122309)     11.01476 (17122309)
 3604847.5 |     12.38147 (16082307)     12.97541 (17122309)     16.43750
(16040707)     25.92590 (16040707)
 3604597.5 |     25.38799 (16040707)     35.88946 (16040707)     34.53512
(16040707)     25.91470 (16040707)
 3604347.5 |     32.86998 (16040707)     17.88925 (16040707)     10.23204
(17082707)     10.77227 (17082707)
 3604097.5 |     15.65726 (16090707)     15.54770 (16090707)     14.77318
(16090707)     13.67967 (16090707)
 3603847.5 |     17.39405 (17030408)     15.73287 (15062407)     14.53985
(15062407)     13.53150 (15062407)
 3603597.5 |     23.34247 (16052106)     16.26703 (15061907)     12.91212
(17042907)     12.78002 (17042907)
 3603347.5 |     46.01820 (15091922)     14.15541 (16121017)      7.62249
(17122709)      8.15062 (15061907)
 3603097.5 |     35.05692 (15022408)     16.89679 (15022408)     11.80060
(17122709)     10.66454 (17122709)
 3602847.5 |    116.63427 (15121020)     35.51857 (15022408)     32.91248
(15022408)     20.94024 (15022408)
 3602597.5 |     88.78418 (15031607)     33.81568 (16040807)     40.96596
(16040807)     30.24907 (16040807)
 3602347.5 |     56.10221 (15013018)     71.22371 (17022804)     43.52431
(16060106)     64.51605 (16040807)
 3602097.5 |     86.65138 (17040307)     37.49149 (15013018)     37.88482
(16121203)     34.73658 (17022804)
 3601847.5 |     47.27122 (17011224)     32.83612 (16121120)     30.58880
(17122124)     29.40841 (16122817)
 3601597.5 |     34.09091 (16121022)     30.75418 (17011224)     29.04867
(17122518)     25.71646 (17122124)
 3601347.5 |     32.06220 (17021408)     25.15844 (16010421)     26.12262
(17011224)     24.20556 (17122518)
 3601097.5 |     28.55308 (15020908)     25.37175 (17021408)     22.68694
(16010421)     23.32637 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 803
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP20     ***
                                 INCLUDING SOURCE(S):     TP20        ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      442.95861  (15121608)
507708.67   3603932.32      146.30999  (16011421)
        506203.59   3603369.23       36.33123  (17011719)
507919.87   3604794.52      197.43548  (16010223)
        507037.89   3604916.08       63.95698  (15021008)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 804
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.34981 (16020408)     14.38175 (16011506)     17.55410
(16012908)     19.56899 (17020308)     19.56742 (17040507)
 3605847.5 |     16.01897 (15040607)     15.05313 (15010408)     15.94492
(16020408)     18.14768 (16011506)     22.49402 (16012908)
 3605597.5 |     16.65760 (15040607)     18.44182 (15040607)     19.59018
(15040607)     19.20149 (15010408)     20.67295 (16020408)
 3605347.5 |     15.04130 (15012821)     15.81922 (15040607)     18.07783
(15040607)     20.17989 (15040607)     23.15305 (15040607)
 3605097.5 |     15.53844 (15011519)     17.03819 (17012508)     18.83222
(17012508)     18.50757 (15011608)     20.42157 (15011608)
 3604847.5 |     21.84126 (15040307)     21.97243 (15040307)     20.24524
(15040307)     20.05180 (16122808)     22.56014 (17012508)
 3604597.5 |     18.90977 (17092707)     19.39714 (17092707)     21.08985
(15040307)     25.14157 (15040307)     28.96354 (15040307)
 3604347.5 |     19.21925 (16040507)     19.22741 (16040507)     19.17144
(16040507)     20.91834 (16011421)     23.82844 (15122708)
 3604097.5 |     16.65398 (17011708)     18.62504 (17011708)     20.02314
(17011708)     21.88608 (17011708)     24.16259 (17011708)
 3603847.5 |     18.09208 (17021608)     19.25009 (17021608)     20.98754
(17021608)     22.49934 (17122608)     25.69715 (17122608)
 3603597.5 |     17.26801 (17021608)     17.66640 (17021608)     18.49925
(17021608)     19.82851 (15021102)     21.72082 (15021102)
 3603347.5 |     14.78554 (15011603)     16.46295 (17122908)     18.41517
(17122908)     20.15078 (17122908)     21.98017 (17122908)
 3603097.5 |     14.56805 (17021402)     15.79639 (17011719)     17.22370
(17011719)     19.67772 (15012720)     20.98082 (16021602)
 3602847.5 |     14.38888 (16021602)     15.19633 (16021602)     17.06082
(16012803)     18.47668 (16011702)     20.33519 (17120906)
 3602597.5 |     14.00166 (16011702)     15.30001 (17120906)     16.86546
(15011506)     21.42021 (15092907)     25.37859 (15092907)
 3602347.5 |     17.82840 (15092907)     20.85974 (15092907)     22.32039
(15092907)     21.32038 (15092907)     19.13357 (17010708)
 3602097.5 |     19.14756 (15092907)     17.17251 (15092907)     17.62855
(17092807)     22.87072 (17092807)     25.47027 (17092807)
 3601847.5 |     16.67704 (17092807)     20.69056 (17092807)     22.17989
(17092807)     24.81655 (15092707)     30.38999 (15092707)
 3601597.5 |     20.01579 (17092807)     21.41151 (15092707)     26.20445
(15092707)     27.18693 (15092707)     22.78923 (15092707)
 3601347.5 |     23.24709 (15092707)     24.98943 (15092707)     22.67798
(15092707)     16.76121 (15092707)     10.92953 (17122302)
 3601097.5 |     22.07905 (15092707)     17.92221 (15092707)     11.99469
(15092707)      9.84383 (17122105)     10.42145 (15012201)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 805
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.32550 (17040507)     26.45935 (17040507)     26.82787
(17020108)     26.61052 (16121408)     41.00200 (16120208)
 3605847.5 |     24.45514 (17020308)     29.09142 (17040507)     31.76044
(17040507)     30.83821 (17020108)     31.14123 (16121408)
 3605597.5 |     23.78488 (16011506)     28.67194 (16012908)     29.64330
(17020308)     37.27269 (17040507)     35.73523 (17020108)
 3605347.5 |     23.88829 (15010408)     26.00021 (16020408)     32.15231
(16012908)     37.69364 (17020308)     39.95078 (17040507)
 3605097.5 |     23.52510 (15040607)     28.05544 (15040607)     30.81590
(15010408)     33.91187 (16020408)     43.85255 (16012908)
 3604847.5 |     24.01666 (17012508)     25.70022 (15011608)     29.58511
(16010821)     33.54627 (15012401)     41.18236 (15121608)
 3604597.5 |     26.97076 (15040307)     28.46348 (16122808)     29.76405
(16122808)     35.38416 (17012508)     40.60628 (15011608)
 3604347.5 |     27.03771 (17020524)     30.79510 (17020524)     33.35570
(16020401)     34.25224 (17013020)     42.04623 (16011108)
 3604097.5 |     26.82836 (17011708)     31.79561 (16120722)     35.51489
(16120722)     35.68991 (16120722)     40.51971 (16011421)
 3603847.5 |     29.55906 (17122608)     32.43762 (17122608)     34.52007
(17122608)     39.59035 (17122608)     44.77294 (17122608)
 3603597.5 |     24.85936 (15021102)     27.21319 (15021102)     30.00242
(16012807)     34.91364 (16012807)     43.20167 (15011603)
 3603347.5 |     24.16832 (16010308)     26.59011 (16010308)     30.19396
(17011719)     35.76633 (15012720)     42.18427 (16021602)
 3603097.5 |     22.84618 (16021602)     26.06673 (16012803)     29.17315
(16011702)     35.00183 (17120906)     40.98166 (17122623)
 3602847.5 |     22.42278 (15011506)     26.71193 (15092907)     32.00826
(15092907)     33.65024 (17121720)     40.72489 (17010708)
 3602597.5 |     26.78062 (15092907)     24.99454 (17122824)     29.58445
(17092807)     36.09160 (17092807)     47.99005 (15092707)
 3602347.5 |     26.25166 (17092807)     30.10983 (17092807)     37.21954
(15092707)     41.80090 (15092707)     31.07371 (15092707)
 3602097.5 |     29.83589 (15092707)     35.26634 (15092707)     31.97853
(15092707)     19.46061 (15092707)     19.68583 (15012201)
 3601847.5 |     29.60613 (15092707)     22.20963 (15092707)     15.39917
(17122105)     16.94576 (15121422)     18.22589 (16121224)
 3601597.5 |     14.82933 (15092707)     13.08389 (15022607)     14.35846
(15121422)     15.64582 (16121224)     16.64385 (17121505)
 3601347.5 |     11.54017 (15012201)     12.53341 (17012504)     13.41427
(16121224)     14.32386 (17121505)     15.25439 (15120324)
 3601097.5 |     11.23525 (17012504)     11.87434 (16020405)     12.76016
(17121505)     13.48952 (15120324)     14.04534 (16021923)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 806
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     46.86738 (16120208)     34.78460 (16010908)     56.58097
(17021308)     68.30535 (15021508)     62.07703 (17010724)
 3605847.5 |     46.29541 (16120208)     51.14128 (16120208)     45.37147
(16010908)     77.97700 (15021508)     72.12078 (15121303)
 3605597.5 |     36.96201 (16121408)     52.32156 (16120208)     52.17726
(16120208)     65.83422 (15122808)     91.99907 (15021508)
 3605347.5 |     42.74688 (17020108)     44.59390 (16121408)     58.19079
(16120208)     61.18041 (15121708)     63.36186 (17021308)
 3605097.5 |     47.76354 (17020308)     53.56381 (16011607)     62.78584
(17020108)     79.15893 (16120208)     79.45553 (16010908)
 3604847.5 |     46.76775 (15011008)     64.43381 (17020308)     72.90082
(15021008)     95.58519 (17020108)    122.84906 (16120208)
 3604597.5 |     48.02833 (17012703)     60.65195 (15121608)     74.44933
(16011506)    104.17489 (17020308)    148.80217 (17020108)
 3604347.5 |     49.89254 (16122808)     59.15016 (17012508)     72.53171
(15011608)    100.28507 (15121608)    145.40667 (16012908)
 3604097.5 |     48.54247 (16011421)     60.42533 (17020524)     76.95511
(16020401)     97.32899 (16011108)    133.84998 (17012508)
 3603847.5 |     50.90688 (17122608)     61.65527 (15010808)     76.17696
(15010808)     99.66813 (15010808)    139.35930 (17011708)
 3603597.5 |     51.18257 (17122908)     61.02984 (17122908)     75.07841
(16010308)     90.96690 (17011719)    123.34863 (16021602)
 3603347.5 |     49.03792 (16012803)     56.07129 (16011702)     70.88852
(15011506)     94.14704 (17121720)    116.55762 (17121308)
 3603097.5 |     47.54389 (16121801)     55.04188 (17010708)     68.27667
(17121308)     76.21167 (16021107)     62.24516 (15022607)
 3602847.5 |     48.83526 (17121308)     58.45587 (15092707)     48.29945
(15092707)     45.18817 (15121422)     50.48552 (17121505)
 3602597.5 |     45.73137 (15092707)     31.06924 (17122302)     35.57969
(17012504)     37.68405 (17121505)     41.84737 (16122704)
 3602347.5 |     24.20052 (15022607)     27.21014 (17021905)     29.90518
(17121505)     32.39572 (17010801)     35.43125 (17011624)
 3602097.5 |     21.46395 (17021905)     23.83830 (17121505)     25.58949
(17010801)     27.94518 (17012722)     32.73110 (17022103)
 3601847.5 |     19.57491 (17121505)     21.15653 (17010801)     22.45078
(16122704)     26.29688 (17040807)     28.17884 (15021805)
 3601597.5 |     17.70331 (15120324)     19.02682 (16122704)     20.15877
(17011624)     23.67499 (17040807)     33.93310 (17020408)
 3601347.5 |     16.04923 (16022007)     17.22879 (17012722)     23.92758
(17040807)     22.46773 (15041007)     41.23427 (17020408)
 3601097.5 |     14.90304 (17012722)     18.42591 (17040807)     19.34698
(17040807)     24.22941 (17020408)     42.30314 (17020408)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 807
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     43.05512 (17070706)     43.67440 (15022002)     20.78406
(17022408)     13.16461 (16112208)     37.45146 (17032607)
 3605847.5 |     87.16297 (16012808)     87.90992 (16120908)     50.06144
(17022408)     40.29632 (15111919)     86.30756 (17032607)
 3605597.5 |     84.61059 (17021508)     52.18853 (16021807)     55.40063
(16120106)     63.35861 (15010907)    100.05457 (17020819)
 3605347.5 |     54.93265 (17010208)     59.74342 (16021807)     70.74322
(17022408)     38.40397 (15111919)    127.01086 (17120924)
 3605097.5 |     94.66792 (15021508)    156.15971 (16012808)     40.41526
(17022408)     26.18560 (16112208)     39.28971 (17032607)
 3604847.5 |    187.10223 (16010223)    174.25364 (17010724)     83.97023
(17022408)     36.27998 (16091507)     23.64137 (17032607)
 3604597.5 |    174.82043 (15123008)    172.32028 (15021508)     64.45876
(15013009)     69.95191 (17032607)     31.47368 (16111708)
 3604347.5 |    192.10434 (17020108)    275.98233 (16120708)    285.93631
(16012808)    200.75490 (17032607)     55.98221 (17022620)
 3604097.5 |    201.98557 (17012703)    372.23516 (17020308)    623.12644
(15122808)    792.20797 (15122908)    458.94356 (16021003)
 3603847.5 |    222.24894 (17011708)    384.99922 (17011708)   1019.58193
(16020401)   3717.35585 (16010423)    420.91023 (16101021)
 3603597.5 |    190.94040 (15011506)    317.58291 (17121308)    412.92699
(15120324)    536.26146 (17062006)    150.01661 (17013017)
 3603347.5 |    127.14437 (16021107)    136.53763 (17121505)    224.66535
(16012324)    320.04666 (17122218)    119.21201 (17121621)
 3603097.5 |     76.89034 (17121505)     95.66535 (17022103)    127.22327
(16010204)    187.83325 (16022219)    171.33633 (16121220)
 3602847.5 |     59.74250 (17012722)     77.19162 (15021805)     85.13148
(17122619)    104.83250 (17122205)     99.96426 (15021419)
 3602597.5 |     52.07920 (17022103)     79.62629 (17020408)     63.51526
(16010118)     76.19257 (17122205)     72.92759 (16122021)
 3602347.5 |     42.69882 (15021805)     65.86118 (17020408)     48.84768
(17122005)     58.79162 (17121519)     57.39708 (15020321)
 3602097.5 |     50.75131 (17020408)     44.45130 (17020408)     39.15265
(16122020)     47.03049 (17121519)     46.22637 (17121306)
 3601847.5 |     54.58657 (17020408)     31.16830 (17122619)     32.50185
(16022802)     38.88931 (15121123)     38.34699 (15021622)
 3601597.5 |     47.80411 (17020408)     26.94093 (17122619)     27.49308
(16012923)     33.03778 (15121123)     32.54538 (16112308)
 3601347.5 |     37.30094 (17020408)     23.22453 (15022601)     23.85558
(16012923)     28.51453 (15121123)     30.46647 (16112308)
 3601097.5 |     26.50605 (17020408)     20.82157 (16010118)     21.27424
(17010402)     25.03221 (15121123)     27.68527 (16112308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 808
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP21     ***
                                INCLUDING SOURCE(S):     TP21        ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     19.41431 (17032607)     13.64556 (15121322)     10.21455
(16111708)      7.69574 (17020109)      5.95908 (17020109)
 3605847.5 |     12.83875 (17032607)     68.58044 (15033023)     16.56032
(16083007)      7.58805 (17020109)      8.04932 (16092207)
 3605597.5 |     70.79963 (15021924)     65.24409 (17060105)     41.53423
(15092321)     18.63315 (15022123)     10.31481 (16081907)
 3605347.5 |    102.27560 (15033023)     92.30425 (16120518)     87.98947
(17022521)     20.11533 (16092207)     10.63201 (17121809)
 3605097.5 |     25.10868 (16083007)     11.23712 (17020109)     24.17924
(16092207)     51.23519 (17090523)     12.19511 (15110508)
 3604847.5 |     19.28256 (16111708)     15.67102 (16092207)     14.30949
(17121809)     10.59554 (15082707)     14.50088 (15082707)
 3604597.5 |     18.90860 (16092207)     17.54590 (17121809)     12.37934
(15082707)     11.15674 (17122309)     19.10600 (17032608)
 3604347.5 |     41.65004 (17012305)     29.74582 (15022818)     37.47070
(17032608)     45.41343 (16040707)     45.79623 (16040707)
 3604097.5 |     97.19188 (17012417)     79.41987 (16040707)     39.44757
(16040707)     17.77943 (17082707)     16.92619 (17082707)
 3603847.5 |    169.88865 (16051406)     73.32606 (15061006)     36.85149
(17030408)     25.99419 (17030408)     20.23613 (17030408)
 3603597.5 |     84.59660 (15022408)     50.73499 (16011417)     40.34001
(15020117)     30.74191 (16012017)     23.72522 (15061907)
 3603347.5 |    112.81204 (16013009)     80.65324 (16040807)    147.43886
(15022202)     36.85290 (17010617)     91.52986 (17040401)
 3603097.5 |     62.71995 (16022518)    161.57116 (17122124)    120.41021
(17022804)    166.37925 (15121020)    140.35681 (15022202)
 3602847.5 |    156.63908 (17120621)     97.13496 (16010421)     82.24073
(17122124)     94.34417 (16121203)     75.51452 (16121121)
 3602597.5 |     69.69333 (17010406)     87.87628 (17021408)     72.58218
(16010421)     64.69307 (16012022)     67.43569 (16122817)
 3602347.5 |     54.35560 (15011507)     62.13618 (17120621)     68.46732
(17021408)     55.03860 (16010601)     49.29901 (16121120)
 3602097.5 |     44.56193 (15021419)     41.77640 (17010406)     54.55527
(15020908)     47.87757 (17021408)     83.91719 (16010601)
 3601847.5 |     37.70460 (17011319)     35.86373 (16121220)     38.28180
(17120621)     44.84049 (15020908)     40.64850 (16121022)
 3601597.5 |     32.15621 (16122021)     38.28703 (15022808)     28.64263
(17010406)     37.70190 (17120621)     38.73245 (17021408)
 3601347.5 |     28.43568 (17031208)     30.95442 (15022808)     25.45730
(16121220)     25.74193 (16121008)     33.49050 (15020908)
 3601097.5 |     24.60528 (15020321)     24.02474 (17011319)     29.47682
(15022808)     21.89036 (16092807)     27.78364 (17120621)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 809
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP21     ***
                                INCLUDING SOURCE(S):     TP21        ,

                              *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.84973 (16092207)      8.64264 (17121809)      7.80286
(17121809)      5.77666 (17032908)
 3605847.5 |      9.34943 (17121809)      8.54849 (17121809)      6.40866
(17032908)      6.43801 (15082707)
 3605597.5 |      9.46694 (17121809)      7.15344 (17032908)      7.05382
(15082707)      5.48120 (15082707)
 3605347.5 |      8.03213 (17032908)      7.54515 (15082707)      4.99467
(15082707)      5.33080 (17122309)
 3605097.5 |      7.71636 (15082707)      5.28043 (17122309)      8.97371
(17122309)     11.25092 (17122309)
 3604847.5 |     12.78636 (16082307)     13.28780 (17122309)     18.17609
(16040707)     27.12837 (16040707)
 3604597.5 |     27.86526 (16040707)     36.66167 (16040707)     33.58383
(16040707)     24.34616 (16040707)
 3604347.5 |     30.20928 (16040707)     15.87610 (16040707)     10.49761
(17082707)     10.90387 (17082707)
 3604097.5 |     15.98041 (16090707)     15.62997 (16090707)     14.70123
(16090707)     13.51722 (16090707)
 3603847.5 |     17.35697 (15062407)     15.88250 (15062407)     14.66313
(15062407)     13.63565 (15062407)
 3603597.5 |     22.59796 (16052106)     16.03613 (15061907)     13.98739
(17042907)     12.51059 (17042907)
 3603347.5 |     38.83270 (15091922)     13.68261 (17082908)      7.57446
(17122709)      7.94175 (15061907)
 3603097.5 |     34.12802 (15022408)     16.31508 (15022408)     11.71063
(17122709)     10.57973 (17122709)
 3602847.5 |    114.63421 (15121020)     35.59782 (15022408)     32.37092
(15022408)     20.40012 (15022408)
 3602597.5 |     76.91095 (15031607)     34.59761 (16040807)     40.60718
(16040807)     29.41816 (16040807)
 3602347.5 |     56.61112 (15013018)     72.11591 (15031607)     38.78630
(17082901)     65.32048 (16040807)
 3602097.5 |     94.63820 (17040307)     38.56771 (15013018)     38.46421
(16121203)     34.76204 (17022804)
 3601847.5 |     64.98791 (16010601)     33.06162 (16121120)     30.55054
(17122124)     29.58321 (16122817)
 3601597.5 |     33.91205 (16121022)     30.91036 (17011224)     29.33096
(16121120)     25.93700 (16013009)
 3601347.5 |     31.38987 (17021408)     25.59605 (16010421)     26.05149
(17011224)     24.20928 (16121120)
 3601097.5 |     28.05262 (15020908)     25.03782 (17021822)     22.84725
(16010421)     23.39129 (17011224)
```

```
 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 810
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP21     ***
                                 INCLUDING SOURCE(S):     TP21        ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      499.87197  (15121608)
507708.67   3603932.32      155.21836  (16011421)
        506203.59   3603369.23       37.53544  (15012720)
507919.87   3604794.52      184.50464  (17013021)
        507037.89   3604916.08       66.74079  (15120308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 811
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP22     ***
                                 INCLUDING SOURCE(S):     TP22        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.78694 (15010408)     14.35286 (16020408)     16.91374
(16120805)     20.17613 (16012908)     21.21852 (17020308)
 3605847.5 |     17.26258 (15040607)     16.75748 (15040607)     16.56389
(15010408)     18.02699 (15011008)     22.31555 (16012908)
 3605597.5 |     15.87111 (15040607)     18.56529 (15040607)     21.02294
(15040607)     21.36282 (15040607)     22.05228 (15010408)
 3605347.5 |     16.25094 (17012508)     15.83985 (15011608)     17.25361
(15011608)     19.77851 (15040607)     24.55586 (15040607)
 3605097.5 |     17.96143 (16021108)     17.73543 (16122808)     19.07227
(17012508)     19.92704 (17012508)     20.92976 (15011608)
 3604847.5 |     21.54527 (15040307)     23.45567 (15040307)     23.62604
(15040307)     22.72224 (15040307)     24.76399 (16122808)
 3604597.5 |     18.37876 (17092707)     20.03116 (17092707)     21.46238
(17092707)     22.79770 (17092707)     27.34729 (15040307)
 3604347.5 |     20.41409 (16040507)     21.34409 (16040507)     22.43244
(16040507)     23.48056 (16040507)     24.85157 (16011421)
 3604097.5 |     16.32303 (17121406)     18.40849 (17121406)     19.90910
(17011708)     22.23846 (17011708)     25.25202 (17011708)
 3603847.5 |     20.94457 (17021608)     22.36381 (17021608)     24.51651
(17021608)     25.70440 (17021608)     28.04457 (17021608)
 3603597.5 |     15.38118 (15021102)     16.67885 (15021102)     18.80844
(16012807)     20.98244 (16012807)     22.73966 (16012807)
 3603347.5 |     15.61919 (17122908)     16.96379 (17122908)     18.66407
(16010308)     20.09944 (16010308)     22.01466 (17021402)
 3603097.5 |     14.89582 (17011719)     16.27206 (15012720)     17.66215
(16021602)     20.18175 (16021602)     21.12973 (16012803)
 3602847.5 |     14.40998 (16012803)     15.70290 (16012803)     17.68193
(16011702)     19.22587 (17120906)     20.90059 (15011506)
 3602597.5 |     14.38168 (15011506)     17.22518 (15092907)     21.78563
(15092907)     24.78127 (15092907)     25.12658 (15092907)
 3602347.5 |     20.58273 (15092907)     21.41468 (15092907)     19.98321
(15092907)     18.11069 (17092807)     24.86871 (17092807)
 3602097.5 |     16.02074 (15092907)     17.31691 (17092807)     22.22881
(17092807)     24.30779 (17092807)     28.12931 (15092707)
 3601847.5 |     20.14869 (17092807)     21.62709 (17092807)     23.47709
(15092707)     28.76151 (15092707)     29.43014 (15092707)
 3601597.5 |     20.38609 (15092707)     25.25550 (15092707)     26.63110
(15092707)     23.31894 (15092707)     16.11171 (15092707)
 3601347.5 |     24.47867 (15092707)     22.84700 (15092707)     17.68890
(15092707)     10.95168 (15092707)     10.92734 (15022607)
 3601097.5 |     18.52233 (15092707)     12.96692 (15092707)      9.26628
(17122105)      9.93367 (15012201)     10.63761 (17012504)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 812
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP22     ***
                                 INCLUDING SOURCE(S):     TP22        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.01312 (17040507)     29.91086 (17040507)     28.10857
(17020108)     27.50015 (16121408)     39.86966 (16120208)
 3605847.5 |     25.84629 (17020308)     27.05608 (17040507)     34.49745
(17040507)     31.37560 (17020108)     31.89037 (16121408)
 3605597.5 |     23.85227 (15011008)     29.92955 (16012908)     33.84393
(17020308)     38.28246 (17040507)     35.17639 (17020108)
 3605347.5 |     25.41210 (15040607)     28.03753 (15010408)     31.68183
(15011008)     40.31936 (16012908)     41.65204 (17010508)
 3605097.5 |     23.12339 (15011608)     29.19526 (15040607)     32.53324
(15121608)     37.16561 (15010408)     43.12308 (16011506)
 3604847.5 |     23.61736 (17012508)     27.63007 (17012508)     32.21995
(15011608)     35.68523 (17121424)     42.90051 (15121608)
 3604597.5 |     28.23134 (15040307)     30.73644 (15040307)     32.14543
(16122808)     36.17714 (16122808)     44.37702 (17012508)
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 3604347.5 |     28.80389 (16011421)     32.65850 (15122708)     35.32961
(17020524)     35.59684 (17122422)     42.75535 (15020702)
 3604097.5 |     29.03069 (17011708)     35.77309 (17011708)     39.98408
(17011708)     39.85463 (17011708)     44.12309 (17011708)
 3603847.5 |     30.67434 (17021608)     33.59617 (17122608)     35.46693
(17122608)     40.71868 (17122608)     45.70163 (17122608)
 3603597.5 |     26.08397 (15011603)     29.07297 (17122908)     32.80444
(17122908)     38.14152 (17122908)     46.93611 (16010308)
 3603347.5 |     24.71191 (17011719)     27.74808 (15012720)     31.45601
(16021602)     36.42471 (16021602)     43.90369 (16011702)
 3603097.5 |     23.28935 (16011702)     27.45876 (17120906)     30.51272
(15011506)     36.48606 (16021406)     43.10802 (17121720)
 3602847.5 |     26.20502 (15092907)     30.85508 (15092907)     29.67317
(17122824)     35.98956 (17010708)     43.60222 (17121308)
 3602597.5 |     22.46935 (17122824)     28.66086 (17092807)     33.44262
(17092807)     43.74313 (15092707)     48.51326 (15092707)
 3602347.5 |     28.63790 (17092807)     34.83586 (15092707)     40.37883
(15092707)     33.72531 (15092707)     22.22559 (16011206)
 3602097.5 |     33.70592 (15092707)     31.77576 (15092707)     22.06650
(15092707)     18.43135 (15022607)     20.24238 (17012504)
 3601847.5 |     23.23931 (15092707)     14.61909 (17122302)     15.59842
(15012201)     17.11884 (17021905)     18.15386 (16020405)
 3601597.5 |     12.40483 (17122105)     13.42800 (15121422)     14.53726
(17021905)     15.55803 (17011920)     16.59462 (15013101)
 3601347.5 |     11.86722 (15121422)     12.58026 (17021905)     13.38703
(17011920)     14.28292 (15013101)     15.32081 (17010801)
 3601097.5 |     11.34841 (16121224)     11.83955 (17011920)     12.71408
(15013101)     13.48281 (17010801)     14.23003 (16122704)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 813
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP22     ***
                                 INCLUDING SOURCE(S):     TP22        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     50.78223 (16120208)     37.44193 (15121708)     60.00780
(17021308)     74.77455 (15021508)     71.18880 (17021320)
 3605847.5 |     45.22558 (16120208)     56.83551 (16120208)     50.41087
(16010908)     81.45808 (15021508)     78.73897 (15121303)
 3605597.5 |     39.17257 (17020108)     51.39899 (16120208)     59.52960
(16120208)     94.71652 (16010223)     96.76262 (15021508)
 3605347.5 |     45.55338 (16011607)     50.59691 (17020108)     57.51885
(16120208)     65.82802 (15121708)     66.54857 (17021308)
 3605097.5 |     55.21981 (17020308)     59.88809 (15120308)     74.55318
(17020108)     80.61287 (16120208)     90.68451 (15121708)
 3604847.5 |     52.04861 (15010408)     68.77576 (16012908)     81.59298
(17010508)    111.61958 (17020108)    133.67019 (16120208)
 3604597.5 |     54.01651 (15011608)     63.39338 (15012401)     83.25366
(15010408)    124.38180 (16012908)    158.43539 (17020108)
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 3604347.5 |     51.03190 (16011108)     63.53465 (16122808)     81.90797
(17012508)    111.55460 (15011608)    157.86587 (15010408)
 3604097.5 |     51.35088 (17011708)     64.95928 (16120722)     84.96024
(16011421)    103.28546 (17020524)    145.67137 (15020702)
 3603847.5 |     50.87874 (17122608)     61.55292 (17122608)     75.11652
(17122608)     97.91216 (17122608)    142.05590 (15021102)
 3603597.5 |     52.47181 (17021402)     62.20521 (15012720)     78.75588
(16021602)     95.71744 (16011702)    132.70512 (16021406)
 3603347.5 |     52.91268 (17120906)     59.51498 (16021406)     75.86764
(17122824)    106.01990 (17121308)    106.85881 (16021107)
 3603097.5 |     50.76814 (17010708)     61.26068 (17121308)     69.61345
(15092707)     54.70218 (17122302)     63.58999 (16121224)
 3602847.5 |     56.87296 (15092707)     50.90309 (15092707)     40.39133
(15022607)     45.68015 (16020405)     49.86443 (17010801)
 3602597.5 |     30.35962 (15092707)     31.63235 (15121422)     35.99453
(16020405)     37.32857 (15120324)     41.44651 (16120304)
 3602347.5 |     24.86069 (15121422)     27.43746 (16020405)     30.07324
(15120324)     32.18745 (16122704)     36.98715 (17022103)
 3602097.5 |     21.50910 (16020405)     23.94694 (15120324)     25.30184
(16122704)     27.36708 (17011624)     31.73838 (15121007)
 3601847.5 |     19.53491 (15120324)     21.07128 (16021923)     22.40476
(16120304)     27.20043 (17040807)     34.83970 (17020408)
 3601597.5 |     17.75296 (17010801)     18.97045 (17012722)     23.99911
(17040807)     22.79873 (15041007)     43.50672 (17020408)
 3601347.5 |     16.23795 (16122704)     17.19821 (17011624)     22.13941
(17040807)     24.31645 (17020408)     44.68170 (17020408)
 3601097.5 |     15.03063 (16120304)     22.09449 (17040807)     19.56362
(15041007)     32.56482 (17020408)     40.39134 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 814
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP22     ***
                                 INCLUDING SOURCE(S):     TP22        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     33.96292 (15082706)     48.18752 (17022408)     17.59086
(17022408)     13.09172 (16091507)     41.21892 (17032607)
 3605847.5 |     78.43683 (17021508)     94.31156 (16120908)     43.66907
(17022408)     31.17884 (16091507)     85.24746 (17032607)
 3605597.5 |     90.54954 (17021508)     57.10599 (16121101)     58.77864
(17012203)     66.05075 (15010907)     90.15820 (17120924)
 3605347.5 |     62.11308 (17010208)     67.56472 (16021807)     68.23106
(17022408)     44.82025 (16091507)    112.33219 (17011124)
 3605097.5 |    105.10853 (15021508)    122.15171 (16012808)     42.46371
(17022408)     46.21804 (17032607)     24.30458 (16010705)
 3604847.5 |    178.76724 (17021401)    163.19939 (17010724)     60.67746
(15092607)     73.77948 (17032607)     21.73372 (16111708)
 3604597.5 |    206.07155 (15120408)    188.96773 (15021508)     82.91160
(15092607)    132.32982 (17032607)     42.08318 (16111708)
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 3604347.5 |    244.59857 (15021008)    367.57264 (15120408)    239.35281
(17021508)    215.91344 (17032607)     67.39976 (16092207)
 3604097.5 |    262.52047 (16122808)    452.51396 (15010408)   1161.99237
(15121708)   1212.92320 (17021903)    306.82096 (16061301)
 3603847.5 |    237.64261 (17122908)    415.66027 (17122908)   1321.12941
(17010708)   2514.20327 (15121020)    274.31103 (15012019)
 3603597.5 |    221.11225 (17121308)    206.81591 (15121422)    378.73924
(15021805)    276.03113 (15012517)    222.64460 (16013009)
 3603347.5 |    104.62322 (17021905)    128.62470 (17012722)    200.52829
(15012823)    273.69097 (16121418)     87.15920 (16022919)
 3603097.5 |     74.58819 (17022221)     96.25322 (15021805)    115.29939
(15022601)    167.79422 (17122218)    152.19548 (16121220)
 3602847.5 |     58.89712 (17022103)     92.37095 (17020408)     77.64854
(17122005)     91.39463 (15021621)     89.65569 (15021419)
 3602597.5 |     50.46748 (15121007)     73.97131 (17020408)     59.12060
(16022802)     68.43953 (16022219)     66.38775 (15011921)
 3602347.5 |     54.18621 (17020408)     47.54180 (17020408)     45.82127
(16012923)     54.60597 (16022219)     52.44080 (17123106)
 3602097.5 |     59.12019 (17020408)     35.75377 (17122619)     36.78961
(16012923)     44.01344 (17122205)     43.17762 (16121418)
 3601847.5 |     51.59606 (17020408)     29.75139 (16011319)     30.97100
(17010402)     36.72411 (17122205)     35.91099 (17121306)
 3601597.5 |     39.10662 (17020408)     25.87751 (16010118)     26.23238
(17010402)     31.26853 (17122205)     31.32189 (15021622)
 3601347.5 |     27.60301 (17020408)     22.74716 (16010118)     23.08567
(17121803)     26.98462 (17121519)     29.45617 (16112308)
 3601097.5 |     21.61168 (17111908)     20.33012 (17122005)     20.69194
(17121803)     23.91206 (17121519)     27.51281 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 815
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP22     ***
                                 INCLUDING SOURCE(S):     TP22        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     10.57046 (17032607)     15.28413 (16111708)      9.63335
(16111708)      7.56033 (17020109)      6.53280 (16092207)
 3605847.5 |     10.59646 (16010705)     61.46359 (17101124)     13.26883
(16083007)      6.90455 (15022224)      8.81648 (16092207)
 3605597.5 |     59.51493 (15021924)     57.79003 (15052306)     35.93011
(16100201)     19.92834 (16092207)     10.81298 (17121809)
 3605347.5 |     86.15380 (15122821)     78.44975 (17032207)     72.24715
(16021524)     15.16187 (17012509)      8.28898 (17121809)
 3605097.5 |     25.87004 (16083007)     11.87146 (16010706)     17.95490
(17012509)     45.93423 (15090405)     13.73710 (15110508)
 3604847.5 |     13.81576 (17020109)     16.91015 (17121809)     11.54280
(17032908)      9.14445 (15082707)     13.48801 (16082307)
 3604597.5 |     24.46633 (16092207)     14.24082 (15082707)     11.35225
(17032608)     23.97131 (17032608)     33.06269 (16040707)
```

```
 3604347.5 |     40.82137 (15022724)     35.53027 (17032608)     55.46955
(16040707)     47.23652 (16040707)     25.85535 (16040707)
 3604097.5 |    170.33782 (16040707)     48.86093 (17082707)     25.68573
(16020417)     21.28356 (16090707)     19.18831 (16090707)
 3603847.5 |    146.72861 (17012817)     66.54999 (17022518)     32.73051
(16052106)     22.80575 (15062407)     23.86321 (17042907)
 3603597.5 |    107.17421 (16040807)     50.55932 (15022408)     39.90529
(17122709)     25.74206 (16121017)     22.02298 (15020117)
 3603347.5 |     74.04707 (16013009)     52.50592 (16041107)    136.16497
(16040807)     47.86001 (15022408)     70.28631 (15012119)
 3603097.5 |     48.58306 (17020419)    211.77412 (17040307)    117.61360
(16121203)    137.80430 (17011308)    125.11287 (16121122)
 3602847.5 |    176.58184 (17120621)     89.77138 (16121022)     79.08979
(17122518)     87.47646 (16122817)     68.20982 (17121101)
 3602597.5 |     65.69661 (17010406)     80.09602 (15020908)     67.68425
(16010421)     66.10258 (17122518)     65.00929 (15013018)
 3602347.5 |     50.46501 (15011507)     56.94676 (17120621)     65.75407
(17021408)     51.60053 (16010421)     50.13139 (17122518)
 3602097.5 |     41.56444 (15022808)     39.70680 (17010406)     51.40917
(17120621)     47.80943 (17021408)     82.01355 (15011201)
 3601847.5 |     35.66483 (17011319)     34.44835 (16121220)     36.02293
(17120621)     42.87175 (15020908)     40.03460 (16121022)
 3601597.5 |     30.77561 (15011921)     37.52704 (15022808)     27.42834
(17010406)     35.81897 (17120621)     37.07767 (17021408)
 3601347.5 |     28.00650 (17031208)     31.94536 (15022808)     24.23144
(16121220)     24.92955 (16121008)     32.06008 (15020908)
 3601097.5 |     25.39260 (17031208)     23.35557 (16022321)     28.32064
(15022808)     21.64308 (16092807)     26.68477 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 816
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP22     ***
                                 INCLUDING SOURCE(S):     TP22        ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      8.26770 (17121809)      8.78571 (17121809)      6.51400
(17121809)      6.14321 (17032908)
 3605847.5 |      9.68858 (17121809)      7.01695 (17121809)      6.64495
(17032908)      6.26682 (15082707)
 3605597.5 |      7.60249 (17121809)      7.38010 (15082707)      6.31826
(15082707)      3.84057 (15082707)
 3605347.5 |      8.27675 (15082707)      6.01648 (15082707)      5.26535
(17122309)      8.34534 (17122309)
 3605097.5 |      7.24931 (16042804)      9.27773 (17122309)     11.92359
(17122309)     14.15691 (16040707)
 3604847.5 |     18.81627 (17032608)     21.02452 (16040707)     30.45511
(16040707)     31.83950 (16040707)
 3604597.5 |     40.66271 (16040707)     33.77806 (16040707)     22.08062
(16040707)     12.45136 (16040707)
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 3604347.5 |     12.29806 (17082707)     12.75382 (17082707)     12.38688
(17082707)     11.55149 (17082707)
 3604097.5 |     16.80775 (16090707)     14.55659 (16090707)     12.56748
(16090707)     11.44284 (17030408)
 3603847.5 |     20.04432 (17042907)     17.10048 (15062407)     15.81005
(15062407)     14.71224 (15062407)
 3603597.5 |     17.64696 (15061907)     14.95019 (15061907)     13.01165
(15061907)     11.09066 (15061907)
 3603347.5 |     31.40075 (15091922)     13.16862 (16011417)      9.64261
(17122709)      7.53763 (17122709)
 3603097.5 |     40.27294 (15022408)     27.06354 (15022408)     12.92925
(15022408)     10.66988 (17122709)
 3602847.5 |     90.94000 (17011308)     41.43192 (16040807)     33.77610
(15022408)     27.43730 (15022408)
 3602597.5 |     58.07332 (16010101)     24.56819 (16040807)     37.96423
(16040807)     34.95078 (16040807)
 3602347.5 |     52.26784 (15013018)     66.24358 (17010220)     33.30753
(16071324)     51.60034 (16040807)
 3602097.5 |     84.96978 (17040307)     38.25665 (17122124)     38.17689
(16122817)     35.76251 (17022804)
 3601847.5 |     68.29981 (15011201)     33.50121 (17122518)     30.38984
(17122124)     29.41728 (16122817)
 3601597.5 |     34.55017 (16121022)     29.68237 (16010601)     29.91206
(17122518)     24.80817 (17122124)
 3601347.5 |     30.88366 (17021408)     23.87433 (16121022)     25.13677
(17011224)     24.60276 (17122518)
 3601097.5 |     26.97279 (15020908)     24.68668 (17021408)     21.40145
(16010421)     23.09111 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 817
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP22     ***
                              INCLUDING SOURCE(S):     TP22        ,

                                         *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      689.05527  (17020524)
507708.67   3603932.32      181.92267  (15010808)
        506203.59   3603369.23       38.48800  (16021602)
507919.87   3604794.52      158.14101  (15122808)
        507037.89   3604916.08       75.41664  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 818
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP23     ***
                              INCLUDING SOURCE(S):     TP23        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.80990 (15010408)     14.40047 (16020408)     16.82408
(16120805)     20.15676 (16012908)     21.31273 (17020308)
 3605847.5 |     17.30478 (15040607)     16.88073 (15040607)     16.59098
(15010408)     17.90748 (15011008)     22.10088 (16012908)
 3605597.5 |     15.74655 (15040607)     18.49565 (15040607)     21.04602
(15040607)     21.50920 (15040607)     22.08813 (15010408)
 3605347.5 |     16.24382 (17012508)     15.87948 (17012508)     17.26070
(15011608)     19.65043 (15040607)     24.53495 (15040607)
 3605097.5 |     18.16139 (16021108)     17.79912 (16122808)     18.95240
(17012508)     19.90676 (17012508)     20.80973 (15011608)
 3604847.5 |     21.39489 (15040307)     23.39911 (15040307)     23.69844
(15040307)     22.94235 (15040307)     24.78650 (16122808)
 3604597.5 |     18.24155 (17092707)     19.94337 (17092707)     21.44777
(17092707)     22.88450 (17092707)     27.01576 (15040307)
 3604347.5 |     20.36179 (16040507)     21.33115 (16040507)     22.47130
(16040507)     23.58756 (16040507)     24.73084 (16011421)
 3604097.5 |     16.26017 (17121406)     18.34777 (17121406)     19.77770
(17011708)     22.10394 (17011708)     25.11692 (17011708)
 3603847.5 |     20.95244 (17021608)     22.36492 (17021608)     24.50828
(17021608)     25.68398 (17021608)     28.00682 (17021608)
 3603597.5 |     15.35456 (15021102)     16.63280 (15021102)     18.80756
(16012807)     20.95371 (16012807)     22.67276 (16012807)
 3603347.5 |     15.58095 (17122908)     16.89855 (17122908)     18.61920
(16010308)     20.01508 (16010308)     21.94943 (17011719)
 3603097.5 |     14.85148 (17011719)     16.24030 (15012720)     17.64162
(16021602)     20.10978 (16021602)     21.11926 (16012803)
 3602847.5 |     14.40179 (16012803)     15.66062 (16012803)     17.63804
(16011702)     19.17617 (17120906)     20.83706 (15011506)
 3602597.5 |     14.37045 (15011506)     17.31950 (15092907)     21.84176
(15092907)     24.76617 (15092907)     25.02391 (15092907)
 3602347.5 |     20.58460 (15092907)     21.35973 (15092907)     19.87511
(15092907)     18.19665 (17092807)     24.90323 (17092807)
 3602097.5 |     15.92119 (15092907)     17.38018 (17092807)     22.24891
(17092807)     24.26112 (17092807)     28.16547 (15092707)
 3601847.5 |     20.16020 (17092807)     21.58850 (17092807)     23.51383
(15092707)     28.74503 (15092707)     29.35401 (15092707)
 3601597.5 |     20.42184 (15092707)     25.25367 (15092707)     26.58257
(15092707)     23.23941 (15092707)     16.03587 (15092707)
 3601347.5 |     24.44845 (15092707)     22.78613 (15092707)     17.61974
(15092707)     10.89855 (15092707)     10.90515 (15022607)
 3601097.5 |     18.46257 (15092707)     12.91254 (15092707)      9.25038
(17122105)      9.91591 (15012201)     10.61705 (17012504)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 819
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP23     ***
```

```
                                   INCLUDING SOURCE(S):     TP23        ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.75110 (17040507)     30.15006 (17040507)     28.01150
(17020108)     27.34900 (16121408)     39.22773 (16120208)
 3605847.5 |     25.76256 (17020308)     26.57729 (17040507)     34.54284
(17040507)     31.11810 (17020108)     31.89110 (17020202)
 3605597.5 |     23.71608 (15011008)     29.73564 (16012908)     33.94503
(17020308)     37.99180 (17040507)     34.72244 (15013124)
 3605347.5 |     25.56506 (15040607)     28.07937 (15010408)     31.54884
(15011008)     40.26790 (16012908)     41.56130 (17010508)
 3605097.5 |     23.19496 (15011608)     29.08448 (15040607)     32.33139
(15121608)     37.21202 (15010408)     42.72320 (16011506)
 3604847.5 |     23.40440 (17012508)     27.57766 (17012508)     32.06588
(15011608)     35.71986 (17121424)     42.44455 (15121608)
 3604597.5 |     28.06363 (15040307)     30.79580 (15040307)     32.00728
(16122808)     36.32355 (16122808)     44.22667 (17012508)
 3604347.5 |     28.74297 (16011421)     32.53287 (16011421)     35.30530
(15122708)     35.59703 (17122422)     42.67071 (16020401)
 3604097.5 |     28.90098 (17011708)     35.65141 (17011708)     39.90758
(17011708)     39.85483 (17011708)     44.23137 (17011708)
 3603847.5 |     30.61246 (17021608)     33.34757 (17122608)     35.17424
(17122608)     40.33831 (17122608)     45.21008 (17122608)
 3603597.5 |     26.06251 (15011603)     29.09423 (17122908)     32.75408
(17122908)     37.97518 (17122908)     46.74060 (16010308)
 3603347.5 |     24.64720 (17011719)     27.68379 (15012720)     31.37508
(16021602)     36.35982 (16012803)     43.80827 (16011702)
 3603097.5 |     23.27217 (16011702)     27.41840 (17120906)     30.42631
(15011506)     36.40563 (16021406)     42.99449 (17121720)
 3602847.5 |     26.27183 (15092907)     30.79925 (15092907)     29.60230
(17122824)     35.89035 (17010708)     43.42943 (17121308)
 3602597.5 |     22.38928 (17122824)     28.72189 (17092807)     33.36532
(17092807)     43.75110 (15092707)     48.33388 (15092707)
 3602347.5 |     28.57804 (17092807)     34.86582 (15092707)     40.28820
(15092707)     33.55840 (15092707)     22.15431 (16011206)
 3602097.5 |     33.66336 (15092707)     31.66145 (15092707)     21.94591
(15092707)     18.37872 (15022607)     20.18175 (17012504)
 3601847.5 |     23.13856 (15092707)     14.58130 (17122302)     15.55948
(15012201)     17.07297 (17021905)     18.10681 (16020405)
 3601597.5 |     12.37654 (17122105)     13.39816 (15121422)     14.50233
(17021905)     15.51848 (17011920)     16.55167 (15013101)
 3601347.5 |     11.84205 (15121422)     12.55294 (17021905)     13.35657
(17011920)     14.24790 (15013101)     15.28299 (17010801)
 3601097.5 |     11.32499 (16121224)     11.81507 (17011920)     12.68427
(15013101)     13.44749 (17010801)     14.19125 (16122704)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 820
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP23     ***
```

```
                                   INCLUDING SOURCE(S):     TP23        ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     51.14465 (16120208)     37.76427 (15121708)     58.71730
(17021308)     75.49776 (15021508)     70.97524 (17021320)
 3605847.5 |     44.48205 (16120208)     57.49184 (16120208)     50.51531
(16010908)     81.17083 (16021523)     77.78455 (15121303)
 3605597.5 |     39.67158 (17020108)     50.53859 (16120208)     60.59723
(16120208)     94.49530 (16010223)     97.65013 (15021508)
 3605347.5 |     45.57829 (16011607)     51.04316 (17020108)     56.54502
(16120208)     65.45991 (15121708)     65.50101 (17021308)
 3605097.5 |     55.18295 (17020308)     60.08301 (15021008)     74.74732
(17020108)     79.25392 (16120208)     91.59574 (15121708)
 3604847.5 |     52.08929 (15010408)     67.83510 (16012908)     82.66592
(17020308)    110.70233 (17020108)    132.19670 (15120408)
 3604597.5 |     53.88286 (15011608)     63.08905 (15012401)     83.23282
(15010408)    124.07015 (16012908)    156.01260 (16011607)
 3604347.5 |     50.53242 (16011108)     63.30806 (16122808)     81.30944
(17012508)    112.17035 (15011608)    157.38812 (15010408)
 3604097.5 |     51.67314 (17011708)     64.96632 (16120722)     84.44466
(16011421)    102.62206 (15122708)    144.68859 (15020702)
 3603847.5 |     50.22620 (17122608)     60.61569 (17122608)     73.70280
(17122608)     96.67924 (17121523)    141.13650 (15021102)
 3603597.5 |     52.33519 (17011719)     62.02456 (15012720)     78.17640
(16021602)     95.14110 (17120906)    131.60536 (16021406)
 3603347.5 |     52.66288 (15011506)     59.29317 (16021406)     75.50647
(17122824)    105.33790 (17121308)    105.70802 (16021107)
 3603097.5 |     50.68104 (17010708)     60.96851 (17121308)     69.39569
(15092707)     54.37288 (17122302)     63.16576 (16121224)
 3602847.5 |     56.81784 (15092707)     50.60089 (15092707)     40.19430
(15022607)     45.43808 (16020405)     49.55954 (17010801)
 3602597.5 |     30.15525 (15092707)     31.50817 (15121422)     35.83818
(16020405)     37.18154 (15120324)     41.20947 (16120304)
 3602347.5 |     24.77416 (15121422)     27.34014 (16020405)     29.95950
(15120324)     32.08414 (16122704)     36.75326 (17022103)
 3602097.5 |     21.44496 (16020405)     23.86147 (15120324)     25.19236
(16122704)     27.29557 (17011624)     31.58445 (15121007)
 3601847.5 |     19.46921 (15120324)     21.01437 (16021923)     22.32776
(16120304)     27.24799 (17040807)     34.29490 (17020408)
 3601597.5 |     17.71365 (17010801)     18.90446 (17012722)     23.85635
(17040807)     22.63363 (15041007)     43.13027 (17020408)
 3601347.5 |     16.20463 (16122704)     17.15904 (17011624)     22.22251
(17040807)     24.04143 (15041007)     44.56497 (17020408)
 3601097.5 |     14.99416 (16120304)     22.03412 (17040807)     19.43473
(15041007)     32.22663 (17020408)     40.49333 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 821
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP23     ***
```

```
                                    INCLUDING SOURCE(S):     TP23        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     33.73806 (15082706)     47.41263 (17022408)     18.14452
(17022408)     12.80833 (16091507)     41.32503 (17032607)
 3605847.5 |     79.70941 (17021508)     96.98098 (16120908)     44.94122
(17022408)     30.57420 (16091507)     86.20113 (17032607)
 3605597.5 |     89.65375 (17021508)     56.27048 (16121101)     59.01099
(16120106)     66.77588 (15010907)     90.06770 (17120924)
 3605347.5 |     62.07190 (17010208)     68.01474 (16021807)     69.60028
(17022408)     44.23272 (16091507)    113.46906 (17011124)
 3605097.5 |    105.52794 (15021508)    123.36944 (16012808)     42.91475
(17022408)     44.59428 (17032607)     24.63824 (16010705)
 3604847.5 |    180.27108 (17021401)    163.44923 (17010724)     62.49263
(15092607)     72.13449 (17032607)     21.42708 (16111708)
 3604597.5 |    205.26930 (15120408)    186.66504 (15021508)     81.71677
(15092607)    132.94460 (17032607)     43.07345 (16111708)
 3604347.5 |    248.84487 (17020308)    371.66495 (15120408)    246.04992
(17021508)    231.62592 (17032607)     68.21488 (16092207)
 3604097.5 |    263.98151 (16122808)    449.85775 (15121608)   1158.70553
(15121708)   1207.89655 (17021903)    308.46093 (17110207)
 3603847.5 |    237.77234 (17122908)    404.51810 (16010308)   1280.49918
(17010708)   2482.01115 (16120121)    277.63336 (16120118)
 3603597.5 |    218.98477 (17121308)    203.64146 (15121422)    369.86555
(15021805)    271.62942 (17062006)    212.78405 (16013009)
 3603347.5 |    103.64037 (17021905)    127.00910 (17012722)    197.29126
(15012823)    270.55036 (17121306)     87.34359 (16022919)
 3603097.5 |     73.94978 (17022221)     95.33258 (15121007)    114.16895
(15022601)    167.04542 (17122218)    152.39034 (16121220)
 3602847.5 |     58.19596 (17022103)     91.41339 (17020408)     77.22159
(17122005)     90.56892 (15021621)     89.66675 (15021419)
 3602597.5 |     50.15753 (15121007)     74.41965 (17020408)     59.01049
(16122020)     68.37612 (16022219)     66.21231 (15011921)
 3602347.5 |     53.38235 (17020408)     48.36736 (17020408)     45.59013
(16022802)     54.32976 (16022219)     52.32313 (15020321)
 3602097.5 |     58.84508 (17020408)     35.56449 (17122619)     36.72263
(16012923)     43.94018 (17122205)     43.07321 (16121418)
 3601847.5 |     51.77760 (17020408)     29.66474 (16011319)     30.86520
(17010402)     36.59062 (17122205)     35.75731 (17121306)
 3601597.5 |     39.49757 (17020408)     25.75898 (15022601)     26.20239
(17010402)     31.11345 (17122205)     31.19272 (15021622)
 3601347.5 |     28.01932 (17020408)     22.70467 (16010118)     23.00227
(17121803)     26.96864 (17121519)     29.56139 (16112308)
 3601097.5 |     21.70128 (17111908)     20.28016 (17122005)     20.64783
(17121803)     23.87526 (17121519)     27.50569 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 822
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP23     ***
```

```
                                    INCLUDING SOURCE(S):     TP23        ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     11.01937 (17032607)     15.10614 (16111708)      9.70280
(16111708)      7.58818 (17020109)      6.50869 (16092207)
 3605847.5 |     10.84482 (16010705)     61.90857 (17101124)     13.40927
(16083007)      6.96587 (15022224)      8.84114 (16092207)
 3605597.5 |     60.22166 (15021924)     58.16843 (15052306)     35.72562
(16100201)     19.96064 (16092207)     10.83793 (17121809)
 3605347.5 |     86.75172 (15122821)     78.90679 (17032207)     72.07386
(16021524)     15.21802 (17012509)      8.31695 (17121809)
 3605097.5 |     26.07451 (16083007)     11.90702 (16010706)     18.02889
(17012509)     45.99365 (15090405)     13.76738 (15110508)
 3604847.5 |     13.92681 (17020109)     16.96492 (17121809)     11.58105
(17032908)      9.15319 (15082707)     13.56471 (16082307)
 3604597.5 |     24.84668 (16092207)     14.30616 (15082707)     11.64378
(17032608)     24.28751 (17032608)     33.55919 (16040707)
 3604347.5 |     41.08468 (15022724)     36.05579 (17032608)     56.13101
(16040707)     46.91667 (16040707)     25.32824 (16040707)
 3604097.5 |    168.47990 (16040707)     49.60459 (17082707)     26.14659
(17091207)     21.45774 (16090707)     19.20648 (16090707)
 3603847.5 |    148.89655 (17012817)     71.51180 (17012817)     34.06135
(16052106)     22.66782 (15061907)     24.11008 (17042907)
 3603597.5 |    108.60909 (16040807)     53.88112 (15022408)     40.24368
(17122709)     25.04171 (16121017)     22.09080 (15020117)
 3603347.5 |     69.25949 (16013009)     54.31296 (16041107)    138.12442
(16040807)     48.84096 (15022408)     70.07671 (17091920)
 3603097.5 |     47.72099 (17020419)    210.30633 (17040307)    118.60853
(16121203)    138.03720 (17011308)    123.28057 (16121122)
 3602847.5 |    172.11484 (17120621)     90.56691 (16121022)     80.10652
(17122518)     87.45115 (16122817)     68.83247 (17022804)
 3602597.5 |     65.42404 (17010406)     80.03795 (15020908)     66.96095
(16010421)     66.73828 (17122518)     64.86906 (15013018)
 3602347.5 |     50.40775 (15011507)     55.64794 (17120621)     65.84009
(17021408)     51.53920 (16010421)     50.51026 (17122518)
 3602097.5 |     41.31800 (15021419)     39.71007 (17010406)     51.51380
(17120621)     48.44824 (17021408)     81.38020 (15011201)
 3601847.5 |     35.66970 (17011319)     34.28210 (16121220)     35.14788
(17120621)     42.94583 (15020908)     39.97140 (16121022)
 3601597.5 |     30.65083 (15011921)     37.58832 (15022808)     27.48299
(17010406)     35.60668 (17120621)     36.99163 (17021408)
 3601347.5 |     28.03588 (17031208)     31.42904 (15022808)     24.24925
(16121220)     24.88582 (16121008)     31.79873 (15020908)
 3601097.5 |     25.18016 (17031208)     23.30896 (16022321)     28.68074
(15022808)     21.57468 (16092807)     26.41405 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 823
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP23     ***
```

```
                                INCLUDING SOURCE(S):     TP23        ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      510368.86               510618.86               510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     8.26869 (17121809)     8.80287 (17121809)      6.53026
(17121809)     6.15212 (17032908)
 3605847.5 |     9.70904 (17121809)     7.03611 (17121809)      6.65542
(17032908)     6.27347 (15082707)
 3605597.5 |     7.62542 (17121809)     7.39443 (15082707)      6.32273
(15082707)     3.83543 (15082707)
 3605347.5 |     8.29325 (15082707)     6.01638 (15082707)      5.31043
(17122309)     8.39800 (17122309)
 3605097.5 |     7.26248 (16042804)     9.34842 (17122309)     11.97509
(17122309)    14.37063 (16040707)
 3604847.5 |    18.95471 (17032608)    21.34828 (16040707)     30.69440
(16040707)    31.87377 (16040707)
 3604597.5 |    40.81981 (16040707)    33.59134 (16040707)     21.78825
(16040707)    12.20897 (16040707)
 3604347.5 |    12.44998 (17082707)    12.84712 (17082707)     12.42921
(17082707)    11.55563 (17082707)
 3604097.5 |    16.74238 (16090707)    14.45102 (16090707)     12.44603
(16090707)    11.56178 (17030408)
 3603847.5 |    20.43760 (17042907)    17.06243 (15062407)     15.79063
(15062407)    14.70504 (15062407)
 3603597.5 |    17.31020 (15061907)    14.83585 (15061907)     12.99975
(15061907)    11.13495 (15061907)
 3603347.5 |    31.11311 (15091922)    13.20854 (16011417)      9.78179
(17122709)     7.67423 (17122709)
 3603097.5 |    40.47088 (15022408)    27.95391 (15022408)     13.61807
(15022408)    10.66763 (17122709)
 3602847.5 |    92.51197 (17011308)    41.97645 (16040807)     33.69977
(15022408)    27.95916 (15022408)
 3602597.5 |    57.80562 (16010101)    23.60879 (16040807)     37.56548
(16040807)    35.38405 (16040807)
 3602347.5 |    52.16372 (17122124)    66.68387 (17010220)     33.11583
(16071324)    50.69566 (17011308)
 3602097.5 |    83.38818 (17040307)    38.35723 (17122124)     38.31215
(16122817)    35.83364 (17022804)
 3601847.5 |    68.24374 (15011201)    33.67390 (17122518)     30.33954
(17122124)    29.34924 (16122817)
 3601597.5 |    34.76142 (16121022)    29.74708 (16010601)     30.04385
(17122518)    24.69044 (17122124)
 3601347.5 |    31.05970 (17021408)    24.15145 (16121022)     25.05163
(17011224)    24.69683 (17122518)
 3601097.5 |    27.03933 (15020908)    24.97274 (17021408)     21.21215
(16010421)    23.05501 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 824
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP23     ***
                                INCLUDING SOURCE(S):     TP23        ,

                                           *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      677.27730  (15122708)
507708.67   3603932.32      182.04349  (17122608)
        506203.59   3603369.23       38.24868  (16012803)
507919.87   3604794.52      158.21685  (15122808)
        507037.89   3604916.08       74.80978  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 825
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP3      ***
                                INCLUDING SOURCE(S):     TP3         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      504118.86               504368.86               504618.86
504868.86          505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |    13.08154 (16020408)    15.05053 (16120805)     17.98103
(16012908)    19.42034 (17020308)    21.49534 (17040507)
 3605847.5 |    15.08299 (15040607)    14.88222 (15010408)     15.51985
(16020408)    18.65998 (16120805)    22.27704 (16012908)
 3605597.5 |    16.93987 (15040607)    18.10428 (15040607)     18.43636
(15040607)    18.77266 (15010408)    20.03874 (15011008)
 3605347.5 |    15.13117 (15011608)    16.89174 (15040607)     18.70717
(15040607)    20.07844 (15040607)    21.86787 (15040607)
 3605097.5 |    15.24258 (17010407)    17.19030 (17012508)     18.25193
(17012508)    18.84709 (15011608)    20.37115 (15040607)
 3604847.5 |    21.04955 (15040307)    20.22459 (15040307)     18.52812
(16122808)    19.06650 (15011519)    22.96091 (17012508)
 3604597.5 |    18.34789 (17092707)    19.47647 (15040307)     22.64928
(15040307)    25.75021 (15040307)    27.99666 (15040307)
 3604347.5 |    17.79707 (16040507)    17.35583 (16040507)     18.50317
(16011421)    21.08342 (17092707)    23.75641 (17092707)
 3604097.5 |    17.04847 (16040507)    19.09628 (16040507)     20.64194
(16040507)    22.51535 (16040507)    24.61379 (16040507)
 3603847.5 |    16.33268 (15010808)    17.93473 (15010808)     20.31173
(15010808)    22.00359 (15010808)    24.97686 (15010808)
 3603597.5 |    18.80680 (17021608)    19.46715 (17021608)     20.63375
(17021608)    21.45610 (17021608)    21.89388 (17021608)
 3603347.5 |    14.55590 (16012807)    16.03405 (15011603)     17.83201
(17122908)    19.83699 (17122908)    22.05327 (17122908)
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 3603097.5 |     14.54722 (16010308)     15.70988 (17021402)     17.09127
(17011719)     19.41917 (17011719)     20.90109 (15012720)
 3602847.5 |     14.29438 (16021602)     15.48575 (16021602)     16.55461
(16012803)     18.33280 (16012803)     20.13797 (16011702)
 3602597.5 |     13.93733 (16011702)     15.15444 (17120906)     16.63623
(15011506)     19.36602 (15092907)     24.17189 (15092907)
 3602347.5 |     16.31013 (15092907)     19.85829 (15092907)     22.24195
(15092907)     22.39260 (15092907)     20.05534 (15092907)
 3602097.5 |     19.66397 (15092907)     18.45105 (15092907)     15.67594
(17092807)     21.48556 (17092807)     25.45551 (17092807)
 3601847.5 |     15.13963 (17092807)     19.67813 (17092807)     22.23165
(17092807)     22.91477 (15092707)     29.61527 (15092707)
 3601597.5 |     20.08351 (17092807)     19.75887 (15092707)     25.31158
(15092707)     27.61748 (15092707)     24.48059 (15092707)
 3601347.5 |     22.29476 (15092707)     25.00636 (15092707)     23.77375
(15092707)     18.48310 (15092707)     11.37318 (15092707)
 3601097.5 |     22.72367 (15092707)     19.25167 (15092707)     13.48348
(15092707)      9.82369 (17122105)     10.38979 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 826
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP3      ***
                                 INCLUDING SOURCE(S):     TP3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 3606097.5 |     28.01955 (17040507)     23.35970 (17040507)     25.75182
(17020108)     25.81361 (16121408)     42.73818 (16120208)
 3605847.5 |     23.16056 (17020308)     30.10130 (17040507)     28.91927
(17040507)     30.32568 (17020108)     30.44179 (16121408)
 3605597.5 |     24.66008 (16012908)     28.27133 (17020308)     30.92329
(17040507)     35.37763 (17040507)     36.10405 (17020108)
 3605347.5 |     23.34174 (15010408)     25.51766 (15011008)     32.83862
(16012908)     35.59752 (17020308)     40.31607 (17040507)
 3605097.5 |     23.79502 (15040607)     26.66117 (15040607)     30.10253
(15010408)     33.83710 (16011506)     42.98253 (16012908)
 3604847.5 |     23.56154 (17012508)     25.86927 (15011608)     29.22984
(15040607)     33.74698 (15121608)     40.09084 (15010408)
 3604597.5 |     25.05602 (16122808)     27.65701 (16122808)     30.41887
(17012508)     34.58295 (17012508)     39.28682 (15011608)
 3604347.5 |     26.46331 (17020524)     30.07790 (16020401)     33.12894
(15040307)     35.36443 (16011108)     42.62254 (16122808)
 3604097.5 |     26.78824 (16040507)     30.96631 (16120722)     33.75495
(16011421)     35.80681 (16011421)     40.47928 (16011421)
 3603847.5 |     28.55230 (15010808)     31.25229 (15010808)     33.35420
(15010808)     37.98794 (15010808)     42.81023 (15010808)
 3603597.5 |     23.95216 (17121523)     26.47570 (15021102)     29.76916
(15021102)     34.50279 (15021102)     41.99885 (15021102)
 3603347.5 |     24.37102 (17122908)     26.91672 (16010308)     29.97703
(16010308)     35.24406 (17011719)     41.42521 (15012720)
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 3603097.5 |     22.93390 (16021602)     25.84006 (16021602)     28.79153
(16012803)     34.17369 (17120906)     40.58255 (15011506)
 3602847.5 |     22.37398 (17120906)     25.52378 (15011506)     30.59204
(15092907)     34.79881 (15092907)     38.83566 (17010704)
 3602597.5 |     27.11836 (15092907)     26.67681 (15092907)     28.06697
(17010708)     35.69084 (17092807)     44.58841 (15092707)
 3602347.5 |     24.19377 (17092807)     29.95064 (17092807)     34.42301
(15092707)     42.19049 (15092707)     34.83481 (15092707)
 3602097.5 |     27.56100 (15092707)     34.85479 (15092707)     34.11722
(15092707)     22.70250 (15092707)     19.59229 (15022607)
 3601847.5 |     30.69158 (15092707)     24.65549 (15092707)     15.48186
(17122302)     16.70903 (15121422)     18.20866 (17021905)
 3601597.5 |     16.92591 (15092707)     13.04577 (17122105)     14.37259
(15121422)     15.59030 (16121224)     16.64830 (17121505)
 3601347.5 |     11.47726 (15022607)     12.44345 (15121422)     13.44556
(16121224)     14.31680 (17121505)     15.29270 (15120324)
 3601097.5 |     11.22937 (17012504)     11.86073 (16121224)     12.73353
(17121505)     13.42938 (15120324)     14.10471 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 827
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP3      ***
                                 INCLUDING SOURCE(S):     TP3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 3606097.5 |     42.77541 (16120208)     34.39781 (16010908)     57.52002
(17021308)     60.96956 (15021508)     64.22274 (17021508)
 3605847.5 |     47.96134 (16120208)     45.16226 (16120208)     42.34607
(15122808)     76.77326 (15021508)     66.94706 (15121303)
 3605597.5 |     36.53142 (16121408)     53.76407 (16120208)     48.13343
(15121708)     63.50131 (17021308)     85.06811 (15021508)
 3605347.5 |     44.19548 (17020108)     44.79813 (16121408)     59.15612
(16120208)     58.06520 (16120708)     62.89783 (15021508)
 3605097.5 |     45.73025 (15021008)     52.71647 (17020108)     60.02868
(16121408)     77.93164 (16120208)     75.19293 (16010908)
 3604847.5 |     48.40854 (16012908)     61.65759 (17020308)     67.98133
(16011607)     84.40177 (16121408)    112.91209 (16120208)
 3604597.5 |     46.40457 (15012401)     58.42096 (15010408)     78.95690
(16012908)     95.69961 (15021008)    131.63599 (17020108)
 3604347.5 |     47.96020 (17012508)     57.68753 (17012508)     68.87289
(17012703)     96.21403 (15010408)    142.42051 (17020308)
 3604097.5 |     48.45451 (17020524)     59.66128 (16020401)     76.20177
(16011108)     98.43909 (16122808)    129.11715 (17012508)
 3603847.5 |     49.89061 (17011708)     61.98975 (17011708)     78.68685
(17011708)    103.80765 (17011708)    142.18808 (17011708)
 3603597.5 |     48.56354 (16012807)     58.57450 (17122908)     75.59377
(17122908)     93.82214 (17122908)    124.80568 (17011719)
 3603347.5 |     49.21258 (16021602)     55.27152 (16012803)     70.49365
(17120906)     92.09149 (16021406)    115.08628 (17010708)
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 3603097.5 |     47.33171 (16021406)     54.60193 (17122824)     66.60327
(17121308)     77.01114 (16021107)     63.83392 (17122302)
 3602847.5 |     47.71448 (17121308)     55.56293 (15092707)     54.95013
(15092707)     44.61934 (15012201)     51.75694 (17121505)
 3602597.5 |     48.18046 (15092707)     32.75692 (15092707)     35.54899
(15121422)     38.11470 (17121505)     42.53172 (16021923)
 3602347.5 |     24.12532 (16011206)     27.24708 (17012504)     30.01549
(17121505)     33.04230 (17010801)     36.14406 (17011624)
 3602097.5 |     21.51999 (17021905)     23.89896 (17121505)     25.60571
(17010801)     28.25378 (17012722)     33.43637 (17022103)
 3601847.5 |     19.61039 (17121505)     21.32931 (15120324)     22.81765
(16122704)     25.28827 (17040807)     28.71554 (15121007)
 3601597.5 |     17.88903 (15120324)     18.91882 (16122704)     20.26688
(16120304)     24.54819 (17040807)     33.00423 (17020408)
 3601347.5 |     16.07926 (16021923)     17.37434 (17012722)     23.60987
(17040807)     22.10614 (15041007)     40.83399 (17020408)
 3601097.5 |     14.81115 (16011202)     17.46814 (17040807)     20.09304
(17040807)     23.42127 (17020408)     42.31405 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 828
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP3      ***
                                 INCLUDING SOURCE(S):     TP3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 3606097.5 |     49.18113 (17070706)     50.11453 (17020823)     20.55609
(16112208)     12.50946 (16112208)     37.21789 (17032607)
 3605847.5 |     92.86465 (16012808)     62.90032 (16120908)     51.17908
(16051624)     49.59295 (15100707)     85.02924 (17032607)
 3605597.5 |     88.83994 (16012808)     47.56378 (16121101)     51.26016
(16120106)     60.34891 (15010907)     99.99101 (17020819)
 3605347.5 |     54.79977 (17021508)     55.78244 (16021807)     73.59575
(16051624)     51.58143 (15111919)    127.57297 (17120924)
 3605097.5 |     86.16827 (15021508)    161.68290 (16012808)     39.81069
(17022408)     23.73187 (17032607)     38.10705 (17032607)
 3604847.5 |    175.51254 (15120107)    167.90083 (17021320)     87.39909
(17022408)     37.30234 (17032607)     23.10966 (17032607)
 3604597.5 |    168.66337 (16120708)    181.29899 (16021103)     69.18202
(15092607)     68.82124 (17032607)     27.26628 (16111708)
 3604347.5 |    189.96894 (17020108)    248.58991 (15121708)    382.37922
(16012808)    196.29823 (17032607)     53.18917 (15122317)
 3604097.5 |    199.52423 (15010408)    322.63747 (17020108)    468.37036
(15120107)    581.33706 (15122908)    548.98038 (17011520)
 3603847.5 |    205.12197 (16120722)    366.53501 (16020401)   1039.96038
(15121608)   2340.06946 (17020508)    590.37569 (17122021)
 3603597.5 |    187.43046 (16012803)    322.28543 (17121720)    496.62358
(16121224)    835.86867 (15020108)    198.88960 (16020517)
 3603347.5 |    152.33429 (16021107)    148.37086 (16020405)    245.38174
(16021904)    336.14190 (15021622)    141.10233 (17010817)
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 3603097.5 |     79.58545 (17121505)    101.79589 (17011624)    135.80962
(16120124)    189.13086 (15021621)    168.25961 (17010406)
 3602847.5 |     62.44617 (16122704)     80.83609 (15021805)     90.06748
(17122619)    111.45678 (16022219)    103.76787 (15021419)
 3602597.5 |     52.89734 (17022103)     79.78368 (17020408)     66.10117
(16010118)     80.28817 (17122205)     76.71916 (15011921)
 3602347.5 |     43.73142 (15021805)     67.12681 (17020408)     50.64710
(16122020)     61.39137 (17122205)     59.33139 (15020321)
 3602097.5 |     49.83971 (17020408)     45.38966 (17020408)     40.27975
(16022802)     48.66892 (17121519)     47.83258 (16121418)
 3601847.5 |     54.67102 (17020408)     31.98587 (17020905)     33.25743
(16022802)     40.07988 (17121519)     39.38864 (15021622)
 3601597.5 |     48.30650 (17020408)     27.46206 (17122619)     28.10503
(16012923)     33.74312 (17121519)     33.19349 (15021622)
 3601347.5 |     37.78218 (17020408)     23.61662 (15022601)     24.28767
(17010402)     29.03891 (15121123)     30.40571 (16112308)
 3601097.5 |     26.85660 (17020408)     21.08669 (16010118)     21.51925
(17010402)     25.43171 (15121123)     27.90731 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 829
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP3      ***
                                 INCLUDING SOURCE(S):     TP3         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
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 3606097.5 |     19.10035 (17032607)     14.02839 (15121322)     10.04154
(16111708)      7.57660 (17020109)      6.08587 (17020109)
 3605847.5 |     12.71696 (17032607)     70.59431 (15033023)     16.62835
(16083007)      7.63826 (17020109)      7.55895 (16092207)
 3605597.5 |     82.73833 (16121520)     66.87501 (15080402)     50.17165
(15092321)     24.23628 (16100201)     10.13460 (16081907)
 3605347.5 |    106.28281 (15033023)    102.11375 (16120518)     98.30742
(17021903)     20.46118 (16092207)     10.83437 (17121809)
 3605097.5 |     24.15506 (16083007)     11.18655 (17020109)     23.72265
(16092207)     63.47163 (15101307)     16.47980 (15082707)
 3604847.5 |     19.19464 (16111708)     14.20588 (16092207)     14.57116
(17121809)     10.25359 (17032908)     16.07655 (15082707)
 3604597.5 |     15.05492 (16092207)     17.83750 (17121809)     12.39609
(15082707)      8.63767 (17122309)     15.97902 (17032608)
 3604347.5 |     41.83516 (17011903)     32.49361 (15022724)     29.24922
(17032608)     35.44319 (16040707)     46.13202 (16040707)
 3604097.5 |    110.72913 (17110207)     70.58829 (16040707)     53.57490
(16040707)     23.84718 (16040707)     15.90037 (17082707)
 3603847.5 |    220.91454 (15090204)     93.59390 (17103122)     46.65571
(16090707)     24.70748 (17030408)     19.83366 (17030408)
 3603597.5 |     61.38626 (16012817)     55.52488 (15020117)     45.82517
(16012017)     31.71968 (15021718)     27.78302 (16052106)
 3603347.5 |     90.23616 (16013009)     86.43252 (16040807)    197.31067
(17022805)     40.16540 (17020318)    110.46118 (16012801)
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 3603097.5 |     77.24935 (16040518)    168.22091 (15013018)    118.17780
(16121121)    164.59225 (15121020)    131.57424 (15022202)
 3602847.5 |    167.45587 (15020908)    103.38635 (16010601)     86.07904
(17122124)     92.28000 (17022804)     77.11928 (16040807)
 3602597.5 |     70.11111 (17010406)     93.97391 (17021408)     74.21399
(17011224)     66.87341 (17122124)     65.20061 (16121203)
 3602347.5 |     55.45064 (15011507)     68.71211 (17120621)     65.22983
(17021408)     56.27147 (17011224)     49.17708 (17122124)
 3602097.5 |     45.41920 (15021419)     41.56259 (17122024)     57.64758
(15020908)     48.58363 (16121022)     76.71412 (17011224)
 3601847.5 |     38.37757 (17011319)     36.69339 (16121220)     42.71758
(17120621)     47.11305 (17021408)     38.74906 (16121022)
 3601597.5 |     32.75319 (15011921)     37.82728 (15022808)     28.62711
(17122024)     38.41716 (17120621)     38.49232 (17021408)
 3601347.5 |     28.53853 (17031208)     32.96734 (15022808)     25.53637
(16121220)     28.66758 (17120621)     34.30317 (15020908)
 3601097.5 |     25.41288 (17031208)     24.37213 (16022321)     27.79512
(15022808)     21.88772 (16092807)     28.91679 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 830
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP3      ***
                                INCLUDING SOURCE(S):     TP3         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.57977 (16092207)      8.41572 (17121809)      7.94744
(17121809)      5.56081 (17032908)
 3605847.5 |      9.03454 (17121809)      8.70894 (17121809)      6.18623
(17032908)      6.26554 (15082707)
 3605597.5 |      9.64641 (17121809)      6.93441 (17032908)      6.97647
(15082707)      5.81720 (15082707)
 3605347.5 |      7.83788 (17032908)      7.63888 (15082707)      5.49564
(15082707)      4.44467 (17122309)
 3605097.5 |      8.86887 (15022724)      5.33612 (15051907)      7.77741
(17122309)     10.49759 (17122309)
 3604847.5 |     12.01649 (15022818)     12.25762 (17122309)     13.76699
(16040707)     23.35532 (16040707)
 3604597.5 |     21.15764 (16040707)     33.13356 (16040707)     34.75584
(16040707)     28.02046 (16040707)
 3604347.5 |     36.39282 (16040707)     21.72638 (16040707)     11.09106
(16040707)      9.98089 (17082707)
 3604097.5 |     15.12106 (17082707)     14.24902 (16090707)     14.13574
(16090707)     13.52685 (16090707)
 3603847.5 |     17.06237 (17030408)     15.31347 (17030408)     14.03374
(17030408)     12.99222 (17030408)
 3603597.5 |     26.56292 (16052106)     14.09322 (15061907)     12.96426
(17042907)     12.64985 (17042907)
 3603347.5 |     47.54838 (15101507)     15.75290 (15020117)      9.59061
(15061907)      9.52303 (15061907)
 3603097.5 |     26.92450 (15012417)     13.07302 (15080207)     11.59275
(17122709)      9.99608 (17122709)
 3602847.5 |    110.24987 (16121122)     37.36137 (15022408)     27.97529
(15022408)     15.17371 (15022408)
 3602597.5 |     83.70182 (15031607)     40.29831 (16040807)     38.68354
(16040807)     31.38804 (15022408)
 3602347.5 |     56.57143 (16122817)     77.96195 (15031607)     49.64585
(16040807)     71.62701 (16040807)
 3602097.5 |     86.93973 (17040307)     38.65063 (15013018)     36.08664
(17022804)     34.30881 (17121101)
 3601847.5 |     47.91625 (17011224)     31.57212 (16012022)     30.71486
(15013018)     29.28506 (16121203)
 3601597.5 |     33.67145 (16010421)     30.59020 (17011224)     28.04634
(16121120)     26.71992 (16013009)
 3601347.5 |     29.86872 (17021408)     26.94905 (16010421)     25.75972
(17021621)     23.51827 (16121120)
 3601097.5 |     29.19485 (17021408)     25.46296 (16121022)     23.46164
(16010421)     23.03198 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 831
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP3      ***
                                INCLUDING SOURCE(S):     TP3         ,

                                      *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      545.23328  (16012908)
507708.67   3603932.32      152.36570  (16020401)
        506203.59   3603369.23       36.95699  (17011719)
507919.87   3604794.52      193.01265  (15120107)
        507037.89   3604916.08       62.75926  (16011607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 832
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP4      ***
                                INCLUDING SOURCE(S):     TP4         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.22156 (16020408)    14.95298 (16120805)     17.98467
(16012908)    19.59099 (17020308)    21.23536 (17040507)
 3605847.5 |     15.44351 (15040607)    15.02555 (15010408)     15.73544
(16020408)    18.70745 (16120805)    22.60730 (16012908)
 3605597.5 |     16.96868 (15040607)    18.33574 (15040607)     18.93232
(15040607)    19.15991 (15010408)    20.25524 (16020408)
 3605347.5 |     15.26280 (15011608)    16.71342 (15040607)     18.66391
(15040607)    20.26426 (15040607)    22.47585 (15040607)
 3605097.5 |     15.41854 (17010407)    17.38566 (17012508)     18.68598
(17012508)    18.90439 (15011608)    20.19667 (15040607)
 3604847.5 |     21.56279 (15040307)    21.03849 (15040307)     18.89227
(16021108)    19.58382 (16122808)    23.23387 (17012508)
 3604597.5 |     18.75230 (17092707)    19.00106 (15040307)     22.40535
(15040307)    25.92294 (15040307)    28.79617 (15040307)
 3604347.5 |     18.50190 (16040507)    18.21256 (16040507)     18.86075
(16011421)    20.93494 (15122708)    23.84905 (17092707)
 3604097.5 |     16.75181 (17011708)    18.70955 (16040507)     20.32531
(16040507)    22.31982 (16040507)    24.60887 (16040507)
 3603847.5 |     16.94457 (17021608)    18.17929 (15010808)     20.72513
(15010808)    22.47088 (15010808)    25.65298 (15010808)
 3603597.5 |     18.38428 (17021608)    18.95217 (17021608)     20.01667
(17021608)    20.70309 (17021608)    21.43247 (15011703)
 3603347.5 |     14.77484 (15011603)    16.27677 (15011603)     18.30382
(17122908)    20.22808 (17122908)    22.32315 (17122908)
 3603097.5 |     14.61877 (17021402)    15.82218 (17021402)     17.34327
(17011719)    19.65614 (15012720)    21.11722 (15012720)
 3602847.5 |     14.48131 (16021602)    15.51839 (16021602)     16.99300
(16012803)    18.52167 (16012803)    20.33685 (16011702)
 3602597.5 |     14.10604 (16011702)    15.37949 (17120906)     16.93936
(15011506)    20.54744 (15092907)    25.02295 (15092907)
 3602347.5 |     17.17543 (15092907)    20.52150 (15092907)     22.48256
(15092907)    22.05291 (15092907)    19.21934 (17010704)
 3602097.5 |     19.56046 (15092907)    17.94283 (15092907)     16.81084
(17092807)    22.40579 (17092807)    25.70440 (17092807)
 3601847.5 |     16.04875 (17092807)    20.36818 (17092807)     22.38286
(17092807)    24.14287 (15092707)    30.30668 (15092707)
 3601597.5 |     20.19352 (17092807)    20.80654 (15092707)     25.99969
(15092707)    27.57891 (15092707)    23.66390 (15092707)
 3601347.5 |     22.97813 (15092707)    25.16937 (15092707)     23.29723
(15092707)    17.57439 (15092707)    11.04974 (17122302)
 3601097.5 |     22.49775 (15092707)    18.58704 (15092707)     12.66351
(15092707)     9.92502 (17122105)    10.50543 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 833
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP4       ***
                                  INCLUDING SOURCE(S):     TP4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
```

```
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.44657 (17040507)    24.31830 (17040507)     26.23123
(17020108)    26.16627 (16121408)    42.90066 (16120208)
 3605847.5 |     23.77389 (17020308)    30.29323 (17040507)     29.95951
(17040507)    30.69059 (17020108)    30.84820 (16121408)
 3605597.5 |     24.73925 (16012908)    28.77445 (17020308)     30.78617
(17040507)    36.41730 (17040507)    36.39413 (17020108)
 3605347.5 |     23.89281 (15010408)    25.84187 (15011008)     33.36604
(16012908)    36.88063 (17020308)    41.01055 (17040507)
 3605097.5 |     23.95757 (15040607)    27.43175 (15040607)     30.93603
(15010408)    34.30129 (15011008)    44.20273 (16012908)
 3604847.5 |     23.91427 (17012508)    26.07940 (15011608)     29.53886
(17012703)    33.90928 (15121608)    41.29486 (15010408)
 3604597.5 |     25.69122 (15040307)    28.31340 (16122808)     30.20373
(17012508)    35.28814 (17012508)    40.48206 (15011608)
 3604347.5 |     27.23559 (17122422)    30.94705 (16020401)     33.42189
(15020702)    35.12611 (16011108)    43.00474 (16122808)
 3604097.5 |     27.06596 (16040507)    32.00610 (16120722)     35.13790
(16120722)    36.01089 (16011421)    41.10820 (16011421)
 3603847.5 |     29.47892 (15010808)    32.35257 (15010808)     34.43416
(15010808)    39.43611 (15010808)    44.49979 (15010808)
 3603597.5 |     24.66156 (15021102)    27.25821 (15021102)     30.38511
(15021102)    35.01540 (15021102)    43.37769 (16012807)
 3603347.5 |     24.45103 (17122908)    27.19588 (16010308)     30.22849
(17021402)    36.08569 (17011719)    42.45743 (15012720)
 3603097.5 |     23.20435 (16021602)    25.87896 (16012803)     29.15975
(16012803)    35.28388 (17120906)    41.44636 (15011506)
 3602847.5 |     22.52733 (17120906)    25.82790 (17122623)     31.70911
(15092907)    34.58749 (15092907)    40.63086 (17010708)
 3602597.5 |     27.25411 (15092907)    25.88265 (15092907)     28.74291
(17010708)    36.41026 (17092807)    47.16106 (15092707)
 3602347.5 |     25.53269 (17092807)    30.38190 (17092807)     36.37804
(15092707)    42.48475 (15092707)    32.96323 (15092707)
 3602097.5 |     29.07625 (15092707)    35.43720 (15092707)     33.20750
(15092707)    20.92368 (15092707)    19.87831 (15012201)
 3601847.5 |     30.32578 (15092707)    23.39621 (15092707)     15.53315
(17122105)    17.06877 (15121422)    18.39058 (16121224)
 3601597.5 |     15.77050 (15092707)    13.17717 (15022607)     14.51956
(15121422)    15.80425 (16121224)    16.83463 (17121505)
 3601347.5 |     11.58561 (15012201)    12.62153 (17012504)     13.56021
(16121224)    14.46989 (17121505)    15.42389 (15120324)
 3601097.5 |     11.33788 (17012504)    11.94147 (16020405)     12.87575
(17121505)    13.60743 (15120324)    14.17934 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 834
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP4       ***
                                  INCLUDING SOURCE(S):     TP4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
```

```
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     43.93250 (16120208)    34.90020 (16010908)     59.57024
(17021308)    64.15500 (15021508)    64.91536 (17021508)
 3605847.5 |     48.24574 (16120208)    46.73420 (16120208)     43.65294
(15122808)    80.08667 (15021508)    72.95520 (15121303)
 3605597.5 |     36.99690 (16121408)    54.20078 (16120208)     48.87949
(15121708)    64.41107 (17021308)    86.40995 (15021508)
 3605347.5 |     44.85251 (17020108)    45.31876 (16121408)     59.73217
(16120208)    59.19916 (15121708)    63.93789 (15021508)
 3605097.5 |     46.73537 (15021008)    53.36053 (17020108)     62.03294
(16121408)    79.83754 (16120208)    77.59561 (16010908)
 3604847.5 |     48.68875 (16011506)    64.34473 (17020308)     71.11176
(15120308)    88.14063 (16121408)   119.80308 (16120208)
 3604597.5 |     47.86966 (15012401)    60.59622 (15010408)     80.71711
(16012908)   100.70947 (15021008)   142.99795 (17020108)
 3604347.5 |     48.57661 (16122808)    59.28143 (17012508)     70.49111
(17012703)   100.78700 (15010408)   149.67776 (17020308)
 3604097.5 |     48.74957 (15122708)    60.86087 (16020401)     77.42068
(17013020)   101.11502 (16122808)   136.19400 (17012508)
 3603847.5 |     50.36127 (15010808)    60.62152 (17011708)     77.51678
(17011708)   104.32266 (17011708)   147.68817 (17011708)
 3603597.5 |     49.97978 (17122908)    61.22991 (17122908)     77.61132
(17122908)    93.82934 (16010308)   127.32063 (15012720)
 3603347.5 |     50.14473 (16021602)    56.64890 (16011702)     72.65896
(15011506)    95.11128 (17121720)   119.05638 (17121308)
 3603097.5 |     48.32825 (16021406)    56.19349 (17122824)     69.33888
(17121308)    78.71980 (16021107)    63.94291 (16011206)
 3602847.5 |     49.47444 (17121308)    58.17183 (15092707)     51.85037
(15092707)    45.99337 (15121422)    52.08596 (17121505)
 3602597.5 |     47.40985 (15092707)    31.67080 (17122302)     36.13765
(17012504)    38.55100 (17121505)    42.88856 (17022221)
 3602347.5 |     24.46880 (15022607)    27.52876 (17021905)     30.44150
(17121505)    33.09510 (17010801)    36.24515 (17011624)
 3602097.5 |     21.77805 (17021905)    24.20004 (17121505)     25.98533
(17010801)    28.45350 (17012722)    33.40938 (17022103)
 3601847.5 |     19.83256 (17121505)    21.40470 (16121724)     22.81361
(16122704)    26.62081 (17040807)    28.78796 (15021805)
 3601597.5 |     17.95008 (15120324)    19.25036 (16122704)     20.44210
(17011624)    23.67601 (17040807)    35.13815 (17020408)
 3601347.5 |     16.21185 (16022007)    17.43653 (17012722)     24.11690
(17040807)    22.79396 (15041007)    42.12197 (17020408)
 3601097.5 |     15.04715 (17012722)    18.60314 (17040807)     19.28927
(17040807)    25.05781 (17020408)    42.63816 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 835
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP4      ***
                                  INCLUDING SOURCE(S):     TP4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     47.79914 (17021508)    44.90368 (16031803)     21.38376
(16112208)    12.18761 (16112208)    38.17966 (17032607)
 3605847.5 |     85.72966 (16012808)    78.71143 (16120908)     46.06009
(16051624)    41.89560 (15111919)    86.03166 (17032607)
 3605597.5 |     87.35311 (17021508)    49.84071 (16121101)     52.84124
(16120106)    61.90326 (15010907)    96.92746 (17020819)
 3605347.5 |     56.46619 (17021508)    57.95801 (16021807)     68.13789
(16051624)    40.07383 (15111919)   128.26818 (17120924)
 3605097.5 |     89.59249 (15021508)   153.01229 (16012808)     40.14800
(17022408)    26.93582 (17032607)    34.61950 (17032607)
 3604847.5 |    182.50347 (15120107)   171.60119 (17021320)     89.84973
(17022408)    42.50559 (17032607)    19.24276 (17032607)
 3604597.5 |    178.55036 (15123008)   166.79557 (15021508)     71.51352
(15092607)    78.60002 (17032607)    30.88742 (16111708)
 3604347.5 |    204.36466 (17020108)   274.90955 (15121708)    296.86620
(16012808)   213.94633 (17032607)    55.13349 (17022620)
 3604097.5 |    214.04758 (15121608)   347.35557 (15120308)    530.21094
(15120107)   649.58374 (16122307)   455.43187 (17011520)
 3603847.5 |    224.10930 (17011708)   378.31379 (16011421)   1118.26260
(15011608)  3055.88245 (16120221)   423.07514 (16082323)
 3603597.5 |    196.47963 (17120906)   330.41796 (17010708)    479.15630
(17121505)   562.63924 (15012517)   165.12430 (16040807)
 3603347.5 |    143.09461 (16021107)   147.02931 (17121505)    241.34965
(16012324)   337.14197 (15021622)   115.72501 (17010817)
 3603097.5 |     80.22464 (17121505)   101.25725 (17022103)    135.26792
(15012823)   193.49298 (15021621)   171.34001 (17010406)
 3602847.5 |     61.72263 (17012722)    80.08136 (15021805)     87.54392
(16011319)   108.48410 (16022219)   101.48012 (15021419)
 3602597.5 |     53.71020 (17022103)    81.73286 (17020408)     65.30131
(16010118)    78.47762 (17122205)    75.23561 (15011921)
 3602347.5 |     43.88518 (15021805)    65.17605 (17020408)     50.35641
(16122020)    60.66852 (17122205)    58.25538 (15020321)
 3602097.5 |     52.52130 (17020408)    42.73901 (17020408)     40.00321
(16022802)    48.14912 (17122205)    47.28531 (16121418)
 3601847.5 |     55.31001 (17020408)    32.01936 (17122619)     33.09193
(16012923)    39.61460 (17121519)    38.84975 (15021622)
 3601597.5 |     47.51605 (17020408)    27.24474 (16011319)     27.88895
(16012923)    33.48646 (17121519)    33.11984 (15021622)
 3601347.5 |     36.46131 (17020408)    23.59671 (15022601)     24.28442
(17010402)    28.75163 (17121519)    30.44743 (16112308)
 3601097.5 |     25.55264 (17020408)    21.13156 (16010118)     21.51529
(17010402)    25.19800 (15121123)    28.05621 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 836
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP4      ***
                                  INCLUDING SOURCE(S):     TP4         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |      509118.86             509368.86             509618.86
509868.86             510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     17.57831 (17032607)    13.33076 (15121322)     10.13252
(16111708)     7.62755 (17020109)     5.90273 (17020109)
 3605847.5 |     12.19110 (15021124)    66.38526 (15033023)     16.27297
(16083007)     7.50245 (17020109)     7.92852 (16092207)
 3605597.5 |     71.19149 (15021924)    65.59365 (15080402)     42.20039
(15092321)    19.00216 (16100201)    10.21076 (16081907)
 3605347.5 |    102.21836 (15033023)    93.91485 (16120518)     87.48796
(17022521)    20.01962 (16092207)    10.61609 (17121809)
 3605097.5 |     24.89511 (16083007)    11.04577 (17020109)     23.86942
(16092207)    50.51587 (17090523)    11.76135 (15110508)
 3604847.5 |     18.16407 (16111708)    15.10582 (16092207)     14.24845
(17121809)    10.37911 (15082707)    15.04594 (15082707)
 3604597.5 |     17.76503 (16092207)    17.42174 (17121809)     12.32642
(15082707)     9.94970 (17122309)    17.49264 (17032608)
 3604347.5 |     39.79433 (17012305)    27.80607 (16042805)     33.20663
(17032608)    40.45379 (16040707)    46.24027 (16040707)
 3604097.5 |     96.82205 (15121321)    75.75885 (16040707)     46.91169
(16040707)    18.78706 (16040707)    16.38290 (17082707)
 3603847.5 |    182.01931 (17103122)    65.95506 (17103122)     42.22564
(16090707)    25.21862 (17030408)    20.02562 (17030408)
 3603597.5 |     62.28058 (16012417)    50.21346 (16121017)     40.60661
(16012017)    28.56865 (16012017)    25.25634 (16052106)
 3603347.5 |     95.75230 (16013009)    86.50725 (16040807)    159.76730
(17022805)    36.59083 (17020318)    91.79332 (15073006)
 3603097.5 |     69.17594 (16040518)   164.40655 (15013018)    120.53339
(17121101)   167.70351 (15121020)   140.49654 (15022202)
 3602847.5 |    165.27795 (15020908)   101.35664 (16010601)     86.01853
(17122124)    92.52693 (17022804)    76.00553 (16121121)
 3602597.5 |     70.16235 (17010406)    92.25347 (17021408)     74.01541
(16010601)    67.53530 (17122124)    66.86279 (16121203)
 3602347.5 |     54.75206 (15011507)    67.62424 (17120621)     65.48861
(17021408)    55.77765 (17011224)    49.07932 (17122124)
 3602097.5 |     44.77408 (15021419)    41.45701 (17010406)     57.25582
(15020908)    48.56856 (16121022)    82.32066 (17011224)
 3601847.5 |     38.06273 (17011319)    36.58137 (16121220)     42.27049
(17120621)    46.57554 (17021408)    39.38530 (16121022)
 3601597.5 |     32.62829 (15011921)    37.94956 (15022808)     28.55248
(17122024)    38.17563 (17120621)    38.39542 (17021408)
 3601347.5 |     28.62663 (17031208)    33.27701 (15022808)     25.35191
(16121220)    28.38391 (17120621)    34.21232 (15020908)
 3601097.5 |     25.68054 (17031208)    24.34824 (16022321)     27.80424
(15022808)    21.99074 (16092807)    28.80279 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 837
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP4      ***
                                 INCLUDING SOURCE(S):     TP4         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
```

```
  (METERS) |      510368.86             510618.86             510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.76323 (16092207)     8.54682 (17121809)      7.80460
(17121809)     5.68638 (17032908)
 3605847.5 |      9.22546 (17121809)     8.54687 (17121809)      6.31140
(17032908)     6.35838 (15082707)
 3605597.5 |      9.45996 (17121809)     7.05103 (17032908)      7.00491
(15082707)     5.59258 (15082707)
 3605347.5 |      7.92976 (17032908)     7.55573 (15082707)      5.17079
(15082707)     4.91212 (17122309)
 3605097.5 |      7.83082 (15082707)     4.77355 (17122309)      8.40066
(17122309)    10.88168 (17122309)
 3604847.5 |     12.25254 (16082307)    12.78452 (17122309)     15.90989
(16040707)    25.23291 (16040707)
 3604597.5 |     24.43786 (16040707)    34.96004 (16040707)     34.27269
(16040707)    26.24747 (16040707)
 3604347.5 |     33.44526 (16040707)    18.81043 (16040707)      9.72939
(17082707)    10.38587 (17082707)
 3604097.5 |     15.11478 (17082707)    14.87759 (16090707)     14.41573
(16090707)    13.55614 (16090707)
 3603847.5 |     17.10875 (17030408)    15.27855 (17030408)     13.94908
(17030408)    12.87718 (17030408)
 3603597.5 |     25.59484 (16052106)    14.78346 (15061907)     14.08180
(17042907)    12.58858 (17042907)
 3603347.5 |     39.51448 (15101507)    14.62644 (15020117)      8.76698
(15061907)     8.94107 (15061907)
 3603097.5 |     28.30004 (15022408)    13.19664 (15080207)     11.63030
(17122709)    10.17809 (17122709)
 3602847.5 |    110.90766 (15121020)    37.06585 (15022408)     29.32140
(15022408)    16.62604 (15022408)
 3602597.5 |     75.76460 (15031607)    38.88850 (16040807)     39.31471
(16040807)    30.86044 (15022408)
 3602347.5 |     57.04913 (16122817)    77.74891 (15031607)     39.60069
(17082901)    70.15838 (16040807)
 3602097.5 |     94.70755 (17040307)    39.22817 (15013018)     37.18282
(16121203)    34.29924 (17121101)
 3601847.5 |     64.13509 (17011224)    32.06280 (16121120)     30.68679
(15013018)    29.64799 (16121203)
 3601597.5 |     33.92067 (16010421)    30.73818 (17011224)     28.69038
(16121120)    26.80025 (16013009)
 3601347.5 |     29.99780 (17021408)    26.65002 (16010421)     25.73800
(17011224)    23.87052 (16121120)
 3601097.5 |     28.87647 (17021408)    25.43862 (16121022)     23.29190
(16010421)    23.13619 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 838
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP4      ***
                                 INCLUDING SOURCE(S):     TP4         ,

                                             *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**
```

```
      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      547.37408  (16012908)
507708.67   3603932.32      157.56470  (17020524)
        506203.59   3603369.23       37.99129  (17011719)
507919.87   3604794.52      184.90714  (15120107)
        507037.89   3604916.08       65.49514  (16011607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 839
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP5      ***
                                 INCLUDING SOURCE(S):     TP5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.25163 (16020408)     14.93136 (16011506)     17.98304
(16012908)     19.62737 (17020308)     21.17461 (17040507)
 3605847.5 |     15.52316 (15040607)     15.05588 (15010408)     15.78242
(16020408)     18.71654 (16120805)     22.68089 (16012908)
 3605597.5 |     16.97217 (15040607)     18.38477 (15040607)     19.04179
(15040607)     19.24549 (15010408)     20.38298 (16020408)
 3605347.5 |     15.28915 (15011608)     16.66989 (15040607)     18.65018
(15040607)     20.30184 (15040607)     22.60941 (15040607)
 3605097.5 |     15.46035 (15011519)     17.42604 (17012508)     18.78139
(17012508)     18.91184 (15011608)     20.15221 (15040607)
 3604847.5 |     21.66915 (15040307)     21.21544 (15040307)     19.08687
(16021108)     19.69929 (16122808)     23.28879 (17012508)
 3604597.5 |     18.83450 (17092707)     18.94115 (17092707)     22.33543
(15040307)     25.94377 (15040307)     28.95857 (15040307)
 3604347.5 |     18.65450 (16040507)     18.40116 (16040507)     18.93542
(16011421)     20.99342 (15122708)     23.91883 (15122708)
 3604097.5 |     16.79984 (17011708)     18.70182 (17011708)     20.23781
(16040507)     22.25649 (16040507)     24.58492 (16040507)
 3603847.5 |     17.16502 (17021608)     18.22640 (15010808)     20.80723
(15010808)     22.56414 (15010808)     25.78873 (15010808)
 3603597.5 |     18.27234 (17021608)     18.81774 (17021608)     19.85666
(17021608)     20.51028 (17021608)     21.56565 (15021102)
 3603347.5 |     14.83119 (15011603)     16.33759 (17122908)     18.40434
(17122908)     20.30775 (17122908)     22.37213 (17122908)
 3603097.5 |     14.66437 (17021402)     15.83895 (17021402)     17.39184
(17011719)     19.76163 (15012720)     21.15234 (15012720)
 3602847.5 |     14.51739 (16021602)     15.51744 (16021602)     17.08478
(16012803)     18.55321 (16012803)     20.36844 (16011702)
 3602597.5 |     14.13790 (16011702)     15.42336 (17120906)     16.99941
(15011506)     20.81090 (15092907)     25.19799 (15092907)
 3602347.5 |     17.36897 (15092907)     20.66151 (15092907)     22.51932
(15092907)     21.95483 (15092907)     19.29233 (17010704)
 3602097.5 |     19.52234 (15092907)     17.81336 (15092907)     17.07072
(17092807)     22.60390 (17092807)     25.73689 (17092807)
 3601847.5 |     16.25521 (17092807)     20.51559 (17092807)     22.39955
(17092807)     24.41846 (15092707)     30.44425 (15092707)
 3601597.5 |     20.20474 (17092807)     21.04376 (15092707)     26.14393
(15092707)     27.54955 (15092707)     23.45960 (15092707)
 3601347.5 |     23.12580 (15092707)     25.19134 (15092707)     23.17232
(15092707)     17.35742 (15092707)     11.06154 (17122302)
 3601097.5 |     22.43240 (15092707)     18.42456 (15092707)     12.47219
(15092707)      9.94250 (17122105)     10.52576 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 840
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP5      ***
                                 INCLUDING SOURCE(S):     TP5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.53719 (17040507)     24.53093 (17040507)     26.33989
(17020108)     26.24310 (16121408)     42.93815 (16120208)
 3605847.5 |     23.91278 (17020308)     30.33006 (17040507)     30.18853
(17040507)     30.77016 (17020108)     30.93650 (16121408)
 3605597.5 |     24.75586 (16012908)     28.88795 (17020308)     30.74885
(17040507)     36.64328 (17040507)     36.45692 (17020108)
 3605347.5 |     24.01444 (15010408)     25.91141 (15011008)     33.48244
(16012908)     37.17294 (17020308)     41.15466 (17040507)
 3605097.5 |     23.98759 (15040607)     27.59994 (15040607)     31.11949
(15010408)     34.45048 (15011008)     44.47800 (16012908)
 3604847.5 |     23.98659 (17012508)     26.11565 (15011608)     29.63660
(17012703)     33.93947 (15121608)     41.55971 (15010408)
 3604597.5 |     25.93415 (15040307)     28.45482 (16122808)     30.14033
(17012508)     35.43369 (17012508)     40.73797 (15011608)
 3604347.5 |     27.39389 (17122422)     31.12279 (16020401)     33.60036
(15020702)     35.04463 (16011108)     43.06756 (16122808)
 3604097.5 |     27.10211 (16040507)     32.21545 (16120722)     35.46280
(16120722)     36.03092 (16011421)     41.21122 (16011421)
 3603847.5 |     29.66417 (15010808)     32.57570 (15010808)     34.65496
(15010808)     39.73477 (15010808)     44.84609 (15010808)
 3603597.5 |     24.84399 (15021102)     27.41627 (15021102)     30.49896
(15021102)     35.09500 (15021102)     43.67463 (16012807)
 3603347.5 |     24.45320 (17122908)     27.24048 (16010308)     30.30549
(17021402)     36.23799 (17011719)     42.63510 (15012720)
 3603097.5 |     23.24944 (16021602)     26.07355 (16012803)     29.31483
(16011702)     35.49888 (17120906)     41.58093 (15011506)
 3602847.5 |     22.54544 (17120906)     25.95941 (17122623)     31.92774
(15092907)     34.48319 (15092907)     41.01879 (17010708)
 3602597.5 |     27.25485 (15092907)     25.67019 (15092907)     28.89260
(17092807)     36.52156 (17092807)     47.70620 (15092707)
 3602347.5 |     25.82440 (17092807)     30.44532 (17092807)     36.80442
(15092707)     42.49872 (15092707)     32.49749 (15092707)
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 3602097.5 |     29.41230 (15092707)     35.53787 (15092707)     32.96328
(15092707)     20.50656 (15092707)     19.95308 (15012201)
 3601847.5 |     30.21459 (15092707)     23.09090 (15092707)     15.58152
(17122105)     17.13872 (15121422)     18.45902 (16121224)
 3601597.5 |     15.50057 (15092707)     13.21822 (15022607)     14.54321
(15121422)     15.84207 (16121224)     16.86530 (17121505)
 3601347.5 |     11.63162 (15012201)     12.65880 (17012504)     13.57770
(16121224)     14.49578 (17121505)     15.44403 (15120324)
 3601097.5 |     11.35613 (17012504)     11.98415 (16020405)     12.90053
(17121505)     13.64035 (15120324)     14.20848 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 841
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP5      ***
                                 INCLUDING SOURCE(S):     TP5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     44.18647 (16120208)     35.02066 (16010908)     60.05669
(17021308)     64.90005 (15021508)     65.08980 (17021508)
 3605847.5 |     48.30988 (16120208)     47.08092 (16120208)     43.96261
(15122808)     80.51089 (15021508)     73.91716 (15121303)
 3605597.5 |     37.09753 (16121408)     54.29785 (16120208)     49.06151
(15121708)     64.15204 (17021308)     86.64905 (15021508)
 3605347.5 |     45.01082 (17020108)     45.43025 (16121408)     59.85837
(16120208)     59.45274 (15121708)     64.18929 (15021508)
 3605097.5 |     46.96120 (15021008)     53.70046 (15121803)     62.50187
(16121408)     80.26291 (16120208)     78.17989 (16010908)
 3604847.5 |     48.84742 (16011506)     64.95893 (17020308)     71.96322
(15120308)     89.38806 (17020108)    121.42252 (16120208)
 3604597.5 |     48.18165 (15012401)     61.07135 (15010408)     81.09884
(16012908)    101.80203 (15021008)    145.37187 (17020108)
 3604347.5 |     48.97517 (16122808)     59.60207 (17012508)     70.84720
(17121424)    101.81245 (15121608)    151.46858 (16012908)
 3604097.5 |     48.95493 (15122708)     61.07352 (16020401)     77.77874
(17013020)    101.59281 (16122808)    137.65310 (17012508)
 3603847.5 |     50.69308 (15010808)     61.16360 (15010808)     77.09951
(17011708)    104.20606 (17011708)    148.55790 (17011708)
 3603597.5 |     50.63126 (17122908)     61.76632 (17122908)     77.93690
(17122908)     93.71201 (16010308)    127.82196 (16021602)
 3603347.5 |     50.27025 (16021602)     57.08028 (16011702)     73.15401
(15011506)     96.33371 (17121720)    120.04977 (17121308)
 3603097.5 |     48.46993 (16021406)     56.45326 (17122824)     69.84073
(17121308)     78.92005 (16021107)     64.21378 (15022607)
 3602847.5 |     49.79397 (17121308)     58.67069 (15092707)     51.03097
(15092707)     46.26238 (15121422)     52.06251 (17121505)
 3602597.5 |     47.15281 (15092707)     31.75638 (17122302)     36.31397
(17012504)     38.59657 (17121505)     43.01972 (16122704)
 3602347.5 |     24.57529 (15022607)     27.66053 (17021905)     30.50296
(17121505)     33.06811 (17010801)     36.23035 (17011624)
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 3602097.5 |     21.81727 (17021905)     24.24569 (17121505)     26.04993
(17010801)     28.47448 (17012722)     33.37766 (17022103)
 3601847.5 |     19.86746 (17121505)     21.48502 (17010801)     22.79451
(16122704)     26.89496 (17040807)     28.83683 (15021805)
 3601597.5 |     17.95049 (15120324)     19.31457 (16122704)     20.47379
(17011624)     23.51767 (16011119)     35.63627 (17020408)
 3601347.5 |     16.26073 (16022007)     17.44165 (16120304)     24.20477
(17040807)     22.94384 (15041007)     42.40520 (17020408)
 3601097.5 |     15.10401 (17012722)     18.85804 (17040807)     19.08135
(17040807)     25.44671 (17020408)     42.69032 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 842
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP5      ***
                                 INCLUDING SOURCE(S):     TP5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     41.75352 (17070706)     44.89591 (17022408)     21.59034
(16112208)     12.10344 (16112208)     38.38965 (17032607)
 3605847.5 |     83.57774 (16012808)     80.99170 (16120908)     45.62714
(17022408)     40.39316 (15111919)     86.20110 (17032607)
 3605597.5 |     87.55315 (17021508)     50.35085 (16121101)     53.15164
(16120106)     62.17181 (15010907)     95.42285 (17020819)
 3605347.5 |     56.88812 (17021508)     58.45673 (16021807)     67.37234
(17022408)     37.64707 (15111919)    127.21074 (17120924)
 3605097.5 |     90.37103 (15021508)    149.40303 (16012808)     40.21074
(17022408)     27.75114 (17032607)     33.76084 (17032607)
 3604847.5 |    182.18438 (15120107)    170.83813 (17021320)     90.42856
(17022408)     43.81314 (17032607)     18.36106 (17032607)
 3604597.5 |    180.61430 (15123008)    167.52998 (15021508)     72.05961
(15092607)     80.98154 (17032607)     31.70606 (16111708)
 3604347.5 |    207.84868 (17020108)    281.55294 (15121708)    279.61002
(16021206)    217.55132 (17032607)     56.15057 (17022620)
 3604097.5 |    217.50426 (15121608)    355.18274 (15021008)    547.83292
(15120107)    681.58123 (16122307)    427.39293 (16021003)
 3603847.5 |    228.60562 (17011708)    382.71148 (16011421)   1155.24284
(17012508)   3002.56421 (17120708)    402.16896 (16100207)
 3603597.5 |    199.32255 (17120906)    332.00454 (17010708)    477.27316
(15120324)    525.87913 (15012517)    160.59697 (16040807)
 3603347.5 |    140.25091 (16021107)    146.12242 (17121505)    240.73934
(15022505)    337.83327 (17121306)    112.10645 (16021820)
 3603097.5 |     80.13676 (17121505)    102.39322 (17022103)    135.19897
(15012823)    194.26221 (15021621)    171.87295 (17010406)
 3602847.5 |     61.95805 (17012722)     79.93201 (16021904)     87.14351
(16011319)    107.76159 (16022219)    100.99329 (15021419)
 3602597.5 |     53.83680 (17022103)     82.06721 (17020408)     65.19795
(17122005)     78.05528 (16022219)     74.90428 (15011921)
 3602347.5 |     43.87882 (15021805)     64.64424 (17020408)     50.27038
(16122020)     60.49438 (17122205)     58.00871 (17123106)
```

```
 3602097.5 |     53.12084 (17020408)     42.09293 (17020408)     39.92764
(16022802)     48.06297 (17122205)     47.16202 (16121418)
 3601847.5 |     55.41468 (17020408)     32.01612 (17122619)     33.06509
(16012923)     39.49970 (17121519)     38.72278 (15021622)
 3601597.5 |     47.29575 (17020408)     27.23338 (16011319)     27.83313
(16012923)     33.42319 (17121519)     33.10693 (15021622)
 3601347.5 |     36.13107 (17020408)     23.58549 (15022601)     24.28041
(17010402)     28.71874 (17121519)     30.44828 (16112308)
 3601097.5 |     25.23772 (17020408)     21.13727 (16010118)     21.51052
(17010402)     25.14109 (15121123)     28.08537 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 843
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP5      ***
                                 INCLUDING SOURCE(S):     TP5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     17.21466 (17032607)     13.15182 (15121322)     10.14538
(16111708)      7.63627 (17020109)      5.85764 (17020109)
 3605847.5 |     12.06707 (15021124)     64.90166 (15033023)     16.17833
(16083007)      7.46676 (17020109)      8.00762 (16092207)
 3605597.5 |     70.58197 (15021924)     64.94113 (15080402)     40.29542
(15092321)     18.31888 (15022123)     10.21817 (16081907)
 3605347.5 |    100.42393 (15033023)     91.30754 (16120518)     86.76689
(17022521)     19.87975 (16092207)     10.55661 (17121809)
 3605097.5 |     25.04539 (16083007)     11.00200 (17020109)     23.84751
(16092207)     50.10903 (17090523)     11.89863 (15110508)
 3604847.5 |     17.87682 (16111708)     15.27435 (16092207)     14.15341
(17121809)     10.42013 (15082707)     14.79119 (15082707)
 3604597.5 |     18.38290 (16092207)     17.28958 (17121809)     12.27910
(15082707)     10.26133 (17122309)     17.80922 (17032608)
 3604347.5 |     39.89367 (17012305)     27.81055 (16042805)     34.02086
(17032608)     41.53759 (16040707)     46.11125 (16040707)
 3604097.5 |     93.76256 (15121321)     76.37219 (16040707)     45.23439
(16040707)     17.70828 (16040707)     16.46482 (17082707)
 3603847.5 |    173.94117 (17103122)     62.82198 (16051406)     36.90850
(17091507)     25.26643 (17030408)     20.02668 (17030408)
 3603597.5 |     61.46058 (16012417)     48.73923 (16121017)     39.03143
(16012017)     28.72388 (16012017)     24.58609 (16052106)
 3603347.5 |     96.67863 (16111408)     86.27197 (16040807)    151.73477
(15042106)     36.05398 (17010617)     89.58289 (15070306)
 3603097.5 |     67.56191 (16040518)    162.83134 (15013018)    120.77307
(17121101)    166.62846 (15121020)    141.05042 (15022202)
 3602847.5 |    164.04164 (15020908)    100.92482 (16010601)     86.01302
(17122124)     92.33293 (17022804)     76.36006 (16121121)
 3602597.5 |     70.19414 (17010406)     91.86391 (17021408)     74.02657
(16010601)     67.67142 (17122124)     67.15147 (16121203)
 3602347.5 |     54.60010 (15011507)     67.40569 (17120621)     65.55561
(17021408)     55.67310 (17011224)     49.06180 (17122124)
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 3602097.5 |     44.62665 (15021419)     41.43952 (17122024)     57.18959
(15020908)     48.57529 (16121022)     82.95967 (17011224)
 3601847.5 |     37.99404 (17011319)     36.56252 (16121220)     42.19235
(17120621)     46.46123 (17021408)     39.52930 (16121022)
 3601597.5 |     32.60494 (15011921)     37.96791 (15022808)     28.53854
(17122024)     38.12429 (17120621)     38.37440 (17021408)
 3601347.5 |     28.64047 (17031208)     33.35360 (15022808)     25.30931
(16121220)     28.33382 (17120621)     34.19777 (15020908)
 3601097.5 |     25.74243 (17031208)     24.34470 (16022321)     27.79368
(15022808)     22.01115 (16092807)     28.78344 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 844
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP5      ***
                                 INCLUDING SOURCE(S):     TP5         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.79833 (16092207)      8.57350 (17121809)      7.76765
(17121809)      5.71354 (17032908)
 3605847.5 |      9.26533 (17121809)      8.50439 (17121809)      6.33767
(17032908)      6.37567 (15082707)
 3605597.5 |      9.41026 (17121809)      7.07412 (17032908)      7.00565
(15082707)      5.53713 (15082707)
 3605347.5 |      7.94532 (17032908)      7.52883 (15082707)      5.09315
(15082707)      5.02361 (17122309)
 3605097.5 |      7.76119 (15082707)      4.91105 (17122309)      8.54403
(17122309)     10.96304 (17122309)
 3604847.5 |     12.37734 (16082307)     12.89455 (17122309)     16.42162
(16040707)     25.64606 (16040707)
 3604597.5 |     25.20090 (16040707)     35.31711 (16040707)     34.09588
(16040707)     25.81072 (16040707)
 3604347.5 |     32.70993 (16040707)     18.15425 (16040707)      9.86106
(17082707)     10.47136 (17082707)
 3604097.5 |     15.09041 (17082707)     14.99953 (16090707)     14.45942
(16090707)     13.54567 (16090707)
 3603847.5 |     17.08990 (17030408)     15.24880 (17030408)     13.91294
(17030408)     12.83758 (17030408)
 3603597.5 |     25.27113 (16052106)     14.91795 (15061907)     14.31017
(17042907)     12.55846 (17042907)
 3603347.5 |     37.71533 (15101507)     14.31833 (15020117)      8.57880
(15061907)      8.80353 (15061907)
 3603097.5 |     28.82193 (15022408)     13.21336 (15080207)     11.63278
(17122709)     10.21478 (17122709)
 3602847.5 |    110.59377 (15121020)     36.96088 (15022408)     29.60136
(15022408)     16.95412 (15022408)
 3602597.5 |     73.58507 (15031607)     38.55441 (16040807)     39.42777
(16040807)     30.72011 (15022408)
 3602347.5 |     57.06725 (16122817)     77.15639 (15031607)     38.86961
(17082901)     69.79217 (16040807)
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 3602097.5 |     95.66869 (17040307)     39.34983 (15013018)     37.42898
(16121203)     34.26083 (17121101)
 3601847.5 |     65.29934 (17011224)     32.20692 (16121120)     30.68096
(15013018)     29.72513 (16121203)
 3601597.5 |     33.97789 (16010421)     30.77170 (17011224)     28.82778
(16121120)     26.81024 (16013009)
 3601347.5 |     30.02449 (17021408)     26.58245 (16010421)     25.75111
(17011224)     23.94728 (16121120)
 3601097.5 |     28.80576 (17021408)     25.43656 (16121022)     23.25209
(16010421)     23.16037 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 845
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP5      ***
                                INCLUDING SOURCE(S):     TP5         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      544.92810  (16012908)
507708.67   3603932.32      158.98404  (17020524)
        506203.59   3603369.23       38.18475  (17011719)
507919.87   3604794.52      181.21788  (15120107)
        507037.89   3604916.08       66.11293  (16011607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 846
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP6      ***
                                INCLUDING SOURCE(S):     TP6         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.29391 (16020408)     14.40949 (16011506)     17.55038
(16012908)     19.49853 (17020308)     19.61282 (17040507)
 3605847.5 |     15.85926 (15040607)     14.99600 (15010408)     15.85600
(16020408)     18.10020 (16011506)     22.32911 (16012908)
 3605597.5 |     16.64135 (15040607)     18.33749 (15040607)     19.36108
(15040607)     19.00604 (15010408)     20.38892 (16020408)
 3605347.5 |     14.88525 (15012821)     15.88044 (15040607)     18.09131
(15040607)     20.10004 (15040607)     22.87015 (15040607)
 3605097.5 |     15.35438 (15011519)     16.93291 (17012508)     18.61900
(17012508)     18.50402 (15011608)     20.26741 (15011608)
 3604847.5 |     21.63282 (15040307)     21.61399 (15040307)     19.77525
(15040307)     19.81439 (16122808)     22.41634 (17012508)
 3604597.5 |     18.75025 (17092707)     19.12673 (17092707)     21.24870
(15040307)     25.12451 (15040307)     28.65397 (15040307)
 3604347.5 |     18.89924 (16040507)     18.82683 (16040507)     18.67181
(16040507)     20.62236 (16011421)     23.50602 (15122708)
 3604097.5 |     16.54825 (17011708)     18.43241 (17011708)     19.79448
(17011708)     21.57745 (17011708)     23.74405 (16040507)
 3603847.5 |     17.60298 (17021608)     18.70107 (17021608)     20.39799
(17122608)     22.10496 (17122608)     25.17093 (15010808)
 3603597.5 |     17.54791 (17021608)     17.99906 (17021608)     18.89028
(17021608)     19.44227 (15021102)     21.35400 (15021102)
 3603347.5 |     14.65801 (15011603)     16.22244 (17122908)     18.18074
(17122908)     19.97041 (17122908)     21.87663 (17122908)
 3603097.5 |     14.46659 (17021402)     15.61385 (17011719)     17.11690
(17011719)     19.42987 (15012720)     20.69858 (16021602)
 3602847.5 |     14.30608 (16021602)     15.20404 (16021602)     16.84018
(16012803)     18.22296 (16011702)     20.05999 (17120906)
 3602597.5 |     13.92672 (16011702)     15.19634 (17120906)     16.72096
(15011506)     20.76596 (15092907)     24.96494 (15092907)
 3602347.5 |     17.34447 (15092907)     20.52065 (15092907)     22.24783
(15092907)     21.58502 (15092907)     18.94996 (17010704)
 3602097.5 |     19.25566 (15092907)     17.50580 (15092907)     16.95359
(17092807)     22.36907 (17092807)     25.40443 (17092807)
 3601847.5 |     16.14137 (17092807)     20.31636 (17092807)     22.14875
(17092807)     24.09040 (15092707)     30.03433 (15092707)
 3601597.5 |     19.99474 (17092807)     20.78367 (15092707)     25.82723
(15092707)     27.26853 (15092707)     23.32801 (15092707)
 3601347.5 |     22.85791 (15092707)     24.93384 (15092707)     23.00840
(15092707)     17.33155 (15092707)     10.89061 (17122302)
 3601097.5 |     22.25213 (15092707)     18.34998 (15092707)     12.49734
(15092707)      9.79024 (17122105)     10.35855 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 847
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP6      ***
                                INCLUDING SOURCE(S):     TP6         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     28.11709 (17040507)     26.07833 (17040507)     26.61581
(17020108)     26.47321 (16121408)     40.75078 (16120208)
 3605847.5 |     24.17331 (17020308)     28.94899 (17040507)     31.33254
(17040507)     30.68097 (17020108)     30.97345 (16121408)
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 3605597.5 |     23.56720 (16011506)     28.27590 (16012908)     29.04712
(17020308)     36.81366 (17040507)     35.57567 (17020108)
 3605347.5 |     23.61087 (15010408)     25.57194 (16020408)     31.83606
(16012908)     37.06058 (17020308)     39.60027 (17040507)
 3605097.5 |     23.45204 (15040607)     27.69313 (15040607)     30.39916
(15010408)     33.22887 (16020408)     43.25210 (16012908)
 3604847.5 |     23.89384 (17012508)     25.66494 (15011608)     29.19414
(16010821)     33.05892 (15012401)     40.38197 (15121608)
 3604597.5 |     26.50855 (15040307)     28.18316 (16122808)     29.34306
(16122808)     35.14219 (17012508)     40.14356 (15011608)
 3604347.5 |     26.68580 (17122422)     30.15473 (17020524)     32.70057
(16020401)     34.20263 (17013020)     41.66144 (16011108)
 3604097.5 |     26.36966 (16040507)     31.32783 (16120722)     34.80067
(16120722)     35.05970 (16120722)     40.44333 (16011421)
 3603847.5 |     28.91368 (15010808)     31.76549 (15010808)     33.93262
(15010808)     38.91503 (15010808)     44.09205 (15010808)
 3603597.5 |     24.45391 (15021102)     26.88254 (15021102)     29.76248
(15021102)     34.39843 (16012807)     42.22281 (16012807)
 3603347.5 |     23.95100 (16010308)     26.50610 (16010308)     29.71357
(17011719)     35.10022 (17011719)     41.31695 (16021602)
 3603097.5 |     22.75916 (16021602)     25.61066 (16012803)     28.73649
(16011702)     34.51163 (17120906)     40.17369 (17122623)
 3602847.5 |     22.15232 (15011506)     25.76628 (15092907)     31.51673
(15092907)     33.68113 (15092907)     39.76799 (17010708)
 3602597.5 |     26.81384 (15092907)     25.08301 (15092907)     28.52218
(17092807)     35.85469 (17092807)     46.59347 (15092707)
 3602347.5 |     25.51280 (17092807)     29.97496 (17092807)     36.11158
(15092707)     41.78533 (15092707)     32.29555 (15092707)
 3602097.5 |     28.95544 (15092707)     35.01423 (15092707)     32.62564
(15092707)     20.54977 (15092707)     19.46477 (15012201)
 3601847.5 |     29.90452 (15092707)     23.01106 (15092707)     15.25754
(17122105)     16.73899 (15121422)     18.01527 (16121224)
 3601597.5 |     15.53695 (15092707)     12.96233 (15022607)     14.28089
(15121422)     15.52400 (16121224)     16.53530 (17121505)
 3601347.5 |     11.40655 (15012201)     12.42028 (17012504)     13.35224
(16121224)     14.23388 (17121505)     15.17479 (15120324)
 3601097.5 |     11.17578 (17012504)     11.75945 (16121224)     12.67666
(17121505)     13.37875 (15120324)     13.93964 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 848
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP6      ***
                                  INCLUDING SOURCE(S):     TP6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     46.43807 (16120208)     34.44037 (16010908)     54.95133
(17021308)     66.49627 (15021508)     59.10346 (17021508)
 3605847.5 |     45.97837 (16120208)     50.57229 (16120208)     44.48513
(16010908)     76.40295 (15021508)     68.98830 (15121303)
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```
 3605597.5 |     36.75481 (16121408)     51.93732 (16120208)     51.61330
(16120208)     65.41284 (15122808)     91.60571 (15021508)
 3605347.5 |     42.25732 (17020108)     44.33640 (16121408)     57.77949
(16120208)     60.66902 (15121708)     62.39710 (17021308)
 3605097.5 |     46.60970 (17020308)     52.36839 (16011607)     61.15868
(17020108)     78.05847 (16120208)     78.01677 (16010908)
 3604847.5 |     46.03836 (15011008)     63.10107 (17020308)     70.68699
(15021008)     92.13663 (17020108)    118.89431 (16120208)
 3604597.5 |     47.04354 (17012703)     59.25189 (15121608)     73.00571
(16011506)     99.85356 (17020308)    143.31853 (17020108)
 3604347.5 |     49.19113 (16122808)     58.69472 (17012508)     70.87166
(15011608)     97.52985 (15121608)    141.14065 (16012908)
 3604097.5 |     47.83687 (16011421)     59.58731 (17020524)     74.92760
(16020401)     96.52417 (16122808)    132.08924 (17012508)
 3603847.5 |     50.27140 (15010808)     60.78182 (15010808)     74.84796
(15010808)     97.47232 (17011708)    139.24601 (17011708)
 3603597.5 |     49.74865 (17122908)     59.98465 (17122908)     74.07787
(17122908)     89.31618 (17011719)    121.80035 (16021602)
 3603347.5 |     48.05470 (16021602)     55.20223 (16011702)     69.94713
(15011506)     91.51003 (17121720)    114.60715 (17121308)
 3603097.5 |     46.62096 (16121801)     54.27425 (17122824)     67.12617
(17121308)     75.80693 (16021107)     61.34992 (16011206)
 3602847.5 |     48.03869 (17121308)     57.23353 (15092707)     50.45469
(15092707)     44.39650 (15121422)     50.35094 (17121505)
 3602597.5 |     46.43463 (15092707)     30.81196 (17122302)     35.04618
(17012504)     37.45297 (17121505)     41.53360 (17022221)
 3602347.5 |     23.88876 (15022607)     26.86336 (17012504)     29.66997
(17121505)     32.36477 (17010801)     35.28944 (17011624)
 3602097.5 |     21.32813 (17021905)     23.66786 (17121505)     25.33861
(17010801)     27.78188 (17012722)     32.65737 (17022103)
 3601847.5 |     19.44675 (17121505)     20.96352 (16121724)     22.44389
(16122704)     25.34802 (17040807)     28.11635 (15121007)
 3601597.5 |     17.67215 (15120324)     18.79971 (16122704)     20.00832
(17011624)     24.29911 (17040807)     32.29905 (17020408)
 3601347.5 |     15.89480 (16021923)     17.18232 (17012722)     23.56674
(17040807)     21.94887 (15041007)     40.20172 (17020408)
 3601097.5 |     14.71010 (17012722)     17.61897 (17040807)     19.93272
(17040807)     22.99459 (17020408)     42.00624 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 849
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP6      ***
                                  INCLUDING SOURCE(S):     TP6         ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     56.22247 (17021508)     46.88561 (17020823)     21.30824
(17022408)     13.47558 (16112208)     36.50462 (17032607)
 3605847.5 |     92.54473 (16012808)     79.38558 (16120908)     51.03425
(17022408)     44.89577 (15100707)     85.16544 (17032607)
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 3605597.5 |     83.41330 (17021508)     51.85201 (16021807)     54.43557
(16120106)     62.30263 (15010907)    103.13844 (17020819)
 3605347.5 |     53.62067 (17010208)     58.76644 (17021508)     71.62850
(15121906)     44.91655 (15111919)    127.25889 (17120924)
 3605097.5 |     92.70143 (15021508)    163.91116 (16012808)     39.83867
(17022408)     27.19812 (16112208)     42.39502 (17032607)
 3604847.5 |    186.20990 (16010223)    174.47633 (17010724)     80.72010
(17022408)     37.40765 (16112208)     27.41124 (17032607)
 3604597.5 |    169.00226 (15123008)    169.89576 (15021508)     63.66032
(15013009)     61.15530 (17032607)     28.57139 (16111708)
 3604347.5 |    184.59521 (17020108)    259.24914 (16120708)    341.50867
(16012808)    180.14878 (17032607)     56.72539 (15122317)
 3604097.5 |    193.77087 (15121608)    352.18597 (17020308)    576.71620
(16010908)    733.06823 (16010501)    545.99035 (17011520)
 3603847.5 |    216.90531 (17011708)    365.99196 (17011708)    988.48452
(16122808)   3467.68867 (17040622)    505.06258 (15090204)
 3603597.5 |    185.08374 (17120906)    305.13359 (17121308)    413.11094
(17121505)    632.28767 (17062006)    154.56684 (17013017)
 3603347.5 |    134.39674 (16021107)    137.50040 (17121505)    223.35651
(16021904)    316.51526 (15021621)    129.03093 (15121924)
 3603097.5 |     76.69851 (17121505)     95.71028 (17011624)    128.30657
(17122823)    185.18328 (16022219)    169.40185 (16121220)
 3602847.5 |     59.87080 (16122704)     77.08530 (15021805)     85.85497
(17122619)    106.12241 (17122205)    100.52637 (16022321)
 3602597.5 |     51.30407 (17022103)     77.79179 (17020408)     63.37546
(16010118)     76.45593 (17122205)     73.62241 (16122021)
 3602347.5 |     42.38242 (15021805)     67.14006 (17020408)     49.07948
(17122005)     59.16336 (17121519)     57.69387 (15020321)
 3602097.5 |     48.63356 (17020408)     46.49624 (17020408)     39.40423
(16122020)     47.42346 (15121123)     46.52121 (17121306)
 3601847.5 |     53.97798 (17020408)     31.23934 (17020905)     32.62105
(16022802)     39.27004 (15121123)     38.48614 (15021622)
 3601597.5 |     48.34162 (17020408)     27.06479 (17122619)     27.50646
(16012923)     33.27195 (15121123)     32.74113 (17122218)
 3601347.5 |     38.32153 (17020408)     23.13610 (15022601)     23.92653
(16012923)     28.65974 (15121123)     30.37015 (16112308)
 3601097.5 |     27.55899 (17020408)     20.71380 (16010118)     21.20386
(17010402)     25.10492 (15121123)     27.48048 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 850
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP6      ***
                                 INCLUDING SOURCE(S):     TP6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 3606097.5 |     20.78577 (17032607)     14.02519 (15121322)     10.14778
(16111708)      7.66678 (17020109)      6.10088 (17020109)
 3605847.5 |     14.16106 (17032607)     72.39891 (15033023)     16.85064
(16083007)      7.69945 (17020109)      7.80556 (16092207)
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 3605597.5 |     77.64649 (16121520)     67.16671 (17101124)     46.95229
(15092321)     21.07020 (16100201)     10.29278 (16081907)
 3605347.5 |    105.66848 (15033023)     98.31406 (16120518)     90.69762
(17021903)     20.51726 (16092207)     10.81453 (17121809)
 3605097.5 |     24.54652 (16083007)     11.36816 (17020109)     24.20568
(16092207)     54.44940 (15101307)     17.27976 (15082707)
 3604847.5 |     20.18855 (16111708)     15.13351 (16092207)     14.60517
(17121809)     10.50167 (15082707)     15.24223 (15082707)
 3604597.5 |     16.96725 (16092207)     17.96192 (17121809)     12.55488
(15082707)     10.31139 (17122309)     18.37217 (17032608)
 3604347.5 |     42.06473 (17011903)     29.26011 (16042805)     35.61153
(17032608)     42.86815 (16040707)     46.58710 (16040707)
 3604097.5 |    105.72200 (15022121)     79.73254 (16040707)     44.10758
(16040707)     17.28594 (17082707)     16.85173 (17082707)
 3603847.5 |    200.16725 (17103122)     75.94512 (15061006)     38.45846
(16090707)     26.27930 (17030408)     20.46944 (17030408)
 3603597.5 |     80.89798 (15022408)     51.35140 (16011417)     41.36142
(15020117)     32.35129 (16012017)     24.06700 (15061907)
 3603347.5 |    115.89204 (16013009)     82.79650 (16040807)    172.32589
(15022202)     39.47348 (17010617)     98.79129 (17040401)
 3603097.5 |     67.79907 (16022518)    164.76446 (17122124)    118.11541
(17022804)    171.65833 (15121020)    140.05151 (15022202)
 3602847.5 |    157.98905 (17120621)     97.97231 (16010421)     82.56089
(17122124)     94.29049 (16121203)     74.99288 (16121121)
 3602597.5 |     69.42068 (17010406)     88.53760 (17021408)     72.68164
(16010421)     63.98172 (16012022)     66.59497 (16122817)
 3602347.5 |     54.58971 (15011507)     62.07309 (17120621)     68.71467
(17021408)     55.22943 (16010601)     48.83690 (16121120)
 3602097.5 |     44.82725 (15021419)     41.82278 (17010406)     54.46175
(15020908)     48.10992 (17021408)     81.33307 (16010601)
 3601847.5 |     37.75663 (17011319)     35.87690 (15022808)     38.04272
(17120621)     45.11003 (15020908)     40.43481 (16121022)
 3601597.5 |     32.22359 (16122021)     38.14856 (15022808)     28.71461
(17010406)     37.79360 (17120621)     38.86051 (17021408)
 3601347.5 |     28.26238 (17031208)     30.39593 (15022808)     25.56758
(16121220)     25.71381 (16121008)     33.46394 (15020908)
 3601097.5 |     24.64404 (16121418)     24.07873 (17011319)     29.64238
(15022808)     21.79511 (16092807)     27.72544 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 851
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP6      ***
                                 INCLUDING SOURCE(S):     TP6         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.73935 (16092207)      8.56775 (17121809)      7.91497
(17121809)      5.70341 (17032908)
 3605847.5 |      9.23587 (17121809)      8.67775 (17121809)      6.33904
(17032908)      6.39594 (15082707)
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 3605597.5 |      9.61872 (17121809)      7.09443 (17032908)      7.06048
(15082707)      5.64196 (15082707)
 3605347.5 |      7.99696 (17032908)      7.63208 (15082707)      5.21594
(15082707)      5.02913 (17122309)
 3605097.5 |      8.05846 (15022724)      5.21603 (15051907)      8.59862
(17122309)     11.05801 (17122309)
 3604847.5 |     12.47526 (16082307)     13.03050 (17122309)     16.81845
(16040707)     26.13421 (16040707)
 3604597.5 |     25.89900 (16040707)     35.94432 (16040707)     34.23381
(16040707)     25.54540 (16040707)
 3604347.5 |     32.24805 (16040707)     17.49740 (16040707)     10.20052
(17082707)     10.72944 (17082707)
 3604097.5 |     15.53345 (16090707)     15.44021 (16090707)     14.68933
(16090707)     13.61904 (16090707)
 3603847.5 |     17.26453 (17030408)     15.51145 (15062407)     14.35546
(15062407)     13.37499 (15062407)
 3603597.5 |     23.77136 (16052106)     15.90194 (15061907)     13.45989
(17042907)     12.68161 (17042907)
 3603347.5 |     41.92159 (15091922)     13.97800 (16121017)      7.80572
(15061907)      8.27650 (15061907)
 3603097.5 |     33.36248 (15022408)     15.53090 (15022408)     11.75347
(17122709)     10.54284 (17122709)
 3602847.5 |    116.67856 (15121020)     36.06434 (15022408)     32.05972
(15022408)     19.81389 (15022408)
 3602597.5 |     83.80849 (15031607)     35.28740 (16040807)     40.65686
(16040807)     29.54718 (15022408)
 3602347.5 |     56.43815 (15013018)     73.51406 (15031607)     40.97554
(17082901)     66.18962 (16040807)
 3602097.5 |     91.67405 (17040307)     38.29952 (15013018)     38.00302
(16121203)     34.34124 (17022804)
 3601847.5 |     61.44732 (16010601)     32.84529 (16121120)     30.39035
(17122124)     29.35842 (16122817)
 3601597.5 |     33.63461 (16121022)     30.89564 (17011224)     29.07047
(16121120)     25.90061 (16013009)
 3601347.5 |     31.49122 (17021408)     25.70573 (16010421)     26.09200
(17011224)     24.07660 (16121120)
 3601097.5 |     28.23165 (15020908)     25.01639 (17021822)     22.93998
(16010421)     23.31228 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 852
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP6      ***
                                 INCLUDING SOURCE(S):     TP6         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      482.58442  (15121608)
507708.67   3603932.32      150.31346  (16011421)
        506203.59   3603369.23       37.00750  (17011719)
507919.87   3604794.52      191.64446  (17013021)
        507037.89   3604916.08       64.99350  (15120308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 853
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     12.99232 (16020408)     14.71845 (16120805)     17.66779
(16012908)     19.20886 (17020308)     20.45074 (17040507)
 3605847.5 |     14.98220 (15040607)     14.72313 (15010408)     15.39548
(16020408)     18.16189 (16120805)     21.78330 (16012908)
 3605597.5 |     16.65007 (15040607)     17.83624 (15040607)     18.18248
(15040607)     18.25328 (15010408)     19.18915 (16020408)
 3605347.5 |     14.67904 (15011608)     16.42908 (15040607)     18.31011
(15040607)     19.74542 (15040607)     21.46297 (15040607)
 3605097.5 |     14.75103 (17010407)     16.62650 (17012508)     17.71664
(17012508)     18.52383 (15011608)     19.84348 (15040607)
 3604847.5 |     20.50435 (15040307)     19.68986 (15040307)     18.07939
(16122808)     18.64781 (16122808)     22.05596 (17012508)
 3604597.5 |     17.85793 (17092707)     19.07067 (15040307)     22.10129
(15040307)     24.99436 (15040307)     26.99912 (15040307)
 3604347.5 |     17.19358 (16040507)     16.72011 (16040507)     18.10841
(17092707)     20.60530 (17092707)     23.06881 (17092707)
 3604097.5 |     16.88948 (16040507)     18.82676 (16040507)     20.30313
(16040507)     22.05964 (16040507)     23.99199 (16040507)
 3603847.5 |     15.90852 (15010808)     17.38643 (15010808)     19.47417
(15010808)     21.09759 (15010808)     23.72352 (15010808)
 3603597.5 |     18.72157 (17021608)     19.41536 (17021608)     20.58197
(17021608)     21.45061 (17021608)     21.98861 (17021608)
 3603347.5 |     14.25168 (16012807)     15.51169 (15011603)     17.15643
(15011603)     19.07874 (17122908)     21.31458 (17122908)
 3603097.5 |     14.28438 (16010308)     15.30352 (17021402)     16.55545
(17021402)     18.77601 (17011719)     20.21220 (15012720)
 3602847.5 |     13.89355 (15012720)     15.15899 (16021602)     16.30528
(16021602)     17.74121 (16012803)     19.47968 (16011702)
 3602597.5 |     13.51266 (16011702)     14.66850 (16011702)     16.24895
(17120906)     17.70590 (15092907)     22.69940 (15092907)
 3602347.5 |     15.09487 (15092907)     18.76310 (15092907)     21.55388
(15092907)     22.38629 (15092907)     20.80269 (15092907)
 3602097.5 |     19.47489 (15092907)     18.78969 (15092907)     16.20150
(15092907)     19.90362 (17092807)     24.59799 (17092807)
 3601847.5 |     13.77477 (17092807)     18.45735 (17092807)     21.63711
(17092807)     21.70223 (17092807)     28.08265 (15092707)
 3601597.5 |     19.62215 (17092807)     19.54996 (17092807)     23.93374
(15092707)     27.21551 (15092707)     25.36086 (15092707)
 3601347.5 |     21.01580 (15092707)     24.39863 (15092707)     24.15639
(15092707)     19.70083 (15092707)     12.80885 (15092707)
 3601097.5 |     22.76135 (15092707)     20.05584 (15092707)     14.69288
(15092707)      9.60362 (17122302)     10.00275 (15012201)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 854
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.34941 (17040507)     23.77575 (17040507)     25.66078
(17020108)     25.80068 (16121408)     40.69313 (16120208)
 3605847.5 |     22.90432 (17020308)     28.86018 (17040507)     28.98672
(17040507)     30.03875 (17020108)     30.26193 (16121408)
 3605597.5 |     23.52626 (16012908)     27.29185 (17020308)     28.94139
(17040507)     34.72445 (17040507)     35.27193 (17020108)
 3605347.5 |     22.57154 (15010408)     24.32736 (15011008)     31.23479
(16012908)     34.59232 (17020308)     38.64270 (17040507)
 3605097.5 |     23.22743 (15040607)     25.97914 (15040607)     28.88478
(15010408)     31.92936 (15011008)     41.34491 (16012908)
 3604847.5 |     23.18397 (17012508)     25.41022 (15011608)     28.16190
(15040607)     32.21674 (15121608)     38.27175 (15010408)
 3604597.5 |     24.42000 (16122808)     26.88425 (16122808)     29.74234
(17012508)     33.81305 (17012508)     38.03294 (15011608)
 3604347.5 |     25.12612 (17122422)     28.42379 (16020401)     32.00112
(15040307)     34.56922 (16011108)     41.28499 (16122808)
 3604097.5 |     25.95101 (16040507)     29.10402 (16120722)     31.97465
(16011421)     34.69713 (16011421)     39.49361 (15122708)
 3603847.5 |     26.87480 (15010808)     29.38828 (15010808)     31.67119
(15010808)     35.86989 (15010808)     41.12798 (17011708)
 3603597.5 |     23.20313 (17121523)     25.27940 (17121523)     28.46621
(15021102)     33.00061 (15021102)     39.69616 (15021102)
 3603347.5 |     23.69674 (17122908)     26.12762 (17122908)     29.18087
(16010308)     33.23649 (17011719)     39.00835 (17011719)
 3603097.5 |     22.13521 (16021602)     25.15698 (16021602)     27.58772
(16012803)     32.52250 (16011702)     38.05409 (17120906)
 3602847.5 |     21.68886 (17120906)     24.64106 (15011506)     28.50671
(15092907)     33.98605 (15092907)     36.91371 (17122824)
 3602597.5 |     26.34042 (15092907)     27.01867 (15092907)     26.39132
(17010708)     33.65817 (17092807)     39.76616 (15092707)
 3602347.5 |     21.97660 (17092807)     28.63531 (17092807)     30.95368
(15092707)     40.62508 (15092707)     36.89048 (15092707)
 3602097.5 |     24.96359 (15092707)     33.25411 (15092707)     34.74201
(15092707)     25.23032 (15092707)     18.86720 (15022607)
 3601847.5 |     30.65338 (15092707)     26.23032 (15092707)     16.21600
(15092707)     16.04226 (15012201)     17.56642 (17021905)
 3601597.5 |     18.60920 (15092707)     12.70918 (17122105)     13.80270
(15121422)     15.12783 (17021905)     15.93322 (17011920)
 3601347.5 |     11.13634 (15022607)     12.14889 (15121422)     12.98888
(17021905)     13.72140 (17011920)     14.71574 (15013101)
 3601097.5 |     10.84094 (15121422)     11.52668 (16121224)     12.21651
(17121505)     12.97276 (15013101)     13.85998 (17010801)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 855
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     43.74339 (16120208)     33.53068 (16010908)     51.14823
(17021308)     59.47444 (15021508)     56.99395 (17021508)
 3605847.5 |     45.72640 (16120208)     46.81812 (16120208)     41.00819
(16010908)     67.95513 (15021508)     57.34696 (15021508)
 3605597.5 |     36.04889 (16121408)     51.44634 (16120208)     47.15942
(16120208)     60.73646 (15122808)     86.88729 (15021508)
 3605347.5 |     41.70453 (17020108)     43.75092 (16121408)     57.09852
(16120208)     58.37259 (15121708)     59.93705 (17021308)
 3605097.5 |     43.07234 (17010508)     48.77616 (15121803)     55.97122
(16121408)     74.79571 (16120208)     73.79697 (16010908)
 3604847.5 |     45.02257 (16011506)     58.70715 (17020308)     63.42635
(15120308)     78.24438 (17020108)    106.03106 (16120208)
 3604597.5 |     44.00295 (15012401)     54.94669 (15010408)     72.40393
(16012908)     86.79743 (15021008)    120.09009 (17020108)
 3604347.5 |     46.28888 (17012508)     55.94621 (17012508)     65.39973
(17012703)     88.38638 (15010408)    129.19742 (17020308)
 3604097.5 |     46.93199 (17122422)     56.84584 (16020401)     71.77608
(16011108)     93.61862 (16122808)    122.03748 (17012508)
 3603847.5 |     49.13575 (17011708)     60.53022 (17011708)     76.16348
(17011708)     98.61568 (17011708)    131.42029 (17011708)
 3603597.5 |     45.68665 (16012807)     54.41554 (16012807)     70.31358
(17122908)     90.36037 (17122908)    118.21484 (16010308)
 3603347.5 |     46.04790 (16021602)     51.91728 (16012803)     65.65599
(17120906)     84.24481 (16021406)    106.41951 (17010708)
 3603097.5 |     44.08453 (16021406)     51.48704 (17121720)     62.35108
(17010708)     73.78419 (16122619)     71.91369 (16021107)
 3602847.5 |     43.34839 (17121308)     49.78529 (15092707)     57.28800
(15092707)     42.47745 (15022607)     50.31915 (16020405)
 3602597.5 |     47.69598 (15092707)     37.12729 (15092707)     33.31236
(15121422)     36.81624 (16020405)     42.17294 (17010801)
 3602347.5 |     23.37801 (17122302)     26.07871 (15121422)     28.74684
(16020405)     31.56422 (16011601)     35.44295 (17012722)
 3602097.5 |     20.82794 (17012504)     22.84015 (16020405)     25.07342
(15120324)     27.52793 (16122704)     31.86106 (17022103)
 3601847.5 |     18.74375 (17011920)     20.83972 (15120324)     22.07177
(16122704)     24.06490 (17011624)     28.20603 (17022603)
 3601597.5 |     17.31267 (15120324)     18.34836 (16021923)     19.85997
(16120304)     25.62483 (17040807)     26.64939 (17020408)
 3601347.5 |     15.78526 (17010801)     16.81169 (17012722)     21.46710
(17040807)     20.66304 (17022603)     36.22624 (17020408)
 3601097.5 |     14.64040 (16122704)     15.56881 (17011624)     21.53844
(17040807)     22.08286 (15041007)     40.44409 (17020408)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 856
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     57.24501 (17021508)     58.58568 (15021006)     22.29967
(17022408)     14.07695 (16112208)     33.32216 (16091507)
 3605847.5 |     93.55332 (16012808)     43.52488 (16121101)     63.72512
(16120106)     68.33844 (15100707)     83.80491 (16010501)
 3605597.5 |     88.53589 (17021320)     47.97233 (16021807)     49.87305
(17022408)     56.05540 (16040620)    101.00875 (16010501)
 3605347.5 |     49.85012 (15021508)     56.98060 (17021508)    100.22865
(17011402)     77.10616 (15100707)    110.57365 (15122908)
 3605097.5 |     84.90506 (15021508)    143.36422 (16012808)     37.64164
(17022408)     28.58462 (16112208)     50.46694 (17032607)
 3604847.5 |    130.36325 (15122808)    107.73465 (17010208)     78.42487
(15081703)     39.79892 (16112208)     40.02796 (17032607)
 3604597.5 |    145.22570 (15123008)    228.17556 (16021523)     59.96948
(15013009)     60.69388 (16112208)     20.49067 (17032607)
 3604347.5 |    170.16376 (17020108)    223.65099 (16120708)    376.83846
(16012808)    177.14532 (15111919)     60.04702 (15122318)
 3604097.5 |    179.17389 (15121608)    292.82593 (15021008)    467.44452
(15122808)    474.20877 (16010501)    569.05964 (16121519)
 3603847.5 |    186.72933 (16011421)    326.18205 (16020401)    803.72529
(15121608)   2213.18752 (16122307)    975.78260 (17020717)
 3603597.5 |    173.52475 (16021602)    292.12060 (16021406)    550.13860
(16021107)   1626.05469 (16021702)    197.70091 (16020517)
 3603347.5 |    146.80783 (16021107)    141.15939 (17021905)    233.67694
(17022103)    339.13537 (17122205)    204.76283 (17101224)
 3603097.5 |     76.75158 (16121224)     98.23351 (17012722)    136.00252
(16010102)    181.31811 (17121519)    165.74343 (16121220)
 3602847.5 |     59.64241 (17022221)     78.99823 (16011119)     90.09132
(15012823)    113.10898 (15121123)    106.88517 (16022321)
 3602597.5 |     48.13194 (17011624)     68.63511 (17020408)     65.03965
(17122619)     81.27394 (15121123)     77.63651 (17123106)
 3602347.5 |     42.86660 (16011119)     69.53164 (17020408)     50.50860
(16010118)     62.07867 (15121123)     60.49031 (16121418)
 3602097.5 |     40.75744 (17020408)     52.89676 (17020408)     40.32525
(17122005)     49.40683 (15121123)     48.13793 (15021622)
 3601847.5 |     50.82023 (17020408)     34.87257 (17020408)     33.40657
(16122020)     40.56583 (15121123)     39.30556 (15021622)
 3601597.5 |     49.35961 (17020408)     27.37523 (17122619)     28.08909
(16022802)     34.11078 (15121123)     33.73830 (17122218)
 3601347.5 |     41.38421 (17020408)     23.45033 (16011319)     24.16390
(16012923)     29.21325 (15121123)     29.95605 (16112308)
 3601097.5 |     31.03109 (17020408)     20.66608 (15022601)     21.29403
(16012923)     25.42503 (15121123)     26.83377 (16112308)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 857
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     25.04161 (17032607)     20.56667 (15021924)      9.61758
(16111708)      7.43628 (17020109)      6.54823 (17020109)
 3605847.5 |     18.70357 (17032607)     69.38771 (15033023)     17.48698
(16083007)      7.96801 (17020109)      6.63967 (16092207)
 3605597.5 |    103.21994 (16121520)     66.68253 (17101124)     66.98557
(17032207)     34.44681 (16100201)      9.85269 (16081907)
 3605347.5 |    127.61420 (16120120)     97.63480 (15121319)    115.43683
(17021903)     20.81559 (16092207)     11.22984 (17121809)
 3605097.5 |     23.81111 (16111708)     11.45180 (17020109)     22.47949
(16092207)     86.02742 (15101307)     15.12130 (15082707)
 3604847.5 |     21.49430 (16111708)     11.78975 (16092207)     15.06375
(17121809)     12.92202 (15110508)     17.77276 (15082707)
 3604597.5 |     15.53282 (17020109)     18.33590 (17121809)     12.31328
(17032908)      8.37629 (15082707)     13.92060 (17032608)
 3604347.5 |     47.34539 (17121809)     38.52919 (15022724)     23.79062
(17032608)     30.36860 (17032608)     45.14257 (16040707)
 3604097.5 |    182.10417 (15081905)     83.21030 (16091707)     60.97205
(16040707)     30.66845 (16040707)     15.47422 (17082707)
 3603847.5 |    352.00498 (15120717)    141.02706 (16101021)     50.62179
(16090707)     25.05990 (17030408)     20.07701 (17030408)
 3603597.5 |     71.02660 (16012417)     60.90816 (15020117)     53.79397
(16012017)     38.96672 (17012817)     29.11055 (16052106)
 3603347.5 |    117.89264 (16013009)    110.37651 (15022408)    238.67727
(17022805)     49.00838 (17020318)    150.53667 (16121123)
 3603097.5 |    112.33508 (17081204)    158.76559 (17122124)    111.37179
(17121101)    134.21749 (15121020)    104.32233 (15022202)
 3602847.5 |    153.40609 (17120621)    105.15084 (16010421)     87.51433
(17122124)     88.94270 (17022804)     71.23025 (16121121)
 3602597.5 |     70.55712 (16121220)     94.30012 (17021408)     75.13666
(16010601)     63.77640 (17122124)     62.67105 (16121203)
 3602347.5 |     56.66424 (17010624)     65.26900 (17120621)     69.77142
(17021408)     56.66438 (16010601)     47.11334 (16012022)
 3602097.5 |     46.33896 (15021419)     42.52418 (17010406)     56.34914
(15020908)     48.86037 (16121022)     59.87069 (17011224)
 3601847.5 |     38.68874 (15011921)     36.31298 (15021719)     39.38823
(17120621)     46.51171 (17021408)     39.77485 (16121022)
 3601597.5 |     32.76105 (16122021)     37.72940 (15022808)     29.11062
(17010406)     38.75149 (17120621)     39.58482 (17021408)
 3601347.5 |     28.53472 (15020321)     29.44830 (15022808)     26.12212
(16121220)     26.17391 (17120621)     34.07550 (15020908)
 3601097.5 |     25.02957 (16121418)     24.35085 (17011319)     29.64837
(15022808)     21.66126 (17010406)     28.23108 (17120621)
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 858
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.05929 (16092207)      8.12920 (17121809)      8.22910
(17121809)      6.04638 (17121809)
 3605847.5 |      8.61739 (17121809)      9.02248 (17121809)      6.47148
(17121809)      6.30716 (17032908)
 3605597.5 |      9.99765 (17121809)      6.95754 (17121809)      6.88649
(15082707)      6.19634 (15082707)
 3605347.5 |      7.64580 (17032908)      7.73153 (15082707)      6.05958
(15082707)      3.80827 (17122309)
 3605097.5 |     12.73947 (15110508)      5.53988 (15051907)      6.91125
(17122309)      9.94679 (17122309)
 3604847.5 |     14.83861 (15022818)     11.48696 (17122309)     13.06509
(17122309)     20.94367 (16040707)
 3604597.5 |     17.15261 (16040707)     30.55370 (16040707)     35.05156
(16040707)     30.11076 (16040707)
 3604347.5 |     39.77046 (16040707)     25.44707 (16040707)     13.57521
(16040707)      9.61902 (17082707)
 3604097.5 |     15.18141 (17082707)     13.95438 (17082707)     13.92752
(16090707)     13.53848 (16090707)
 3603847.5 |     17.23163 (17030408)     15.46181 (17030408)     14.18445
(17030408)     13.14842 (17030408)
 3603597.5 |     27.16618 (16052106)     14.19830 (15061907)     12.99048
(15062407)     12.96281 (17042907)
 3603347.5 |     62.66530 (15051124)     16.61502 (15020117)     10.06446
(15061907)      9.91386 (15061907)
 3603097.5 |     37.69478 (15111922)     13.30011 (15080207)     11.75221
(17122709)     10.12294 (17122709)
 3602847.5 |     94.61791 (16040807)     37.82959 (15022408)     28.98315
(15022408)     15.87765 (15022408)
 3602597.5 |     95.07533 (15031607)     39.65605 (16040807)     39.78114
(16040807)     31.51174 (15022408)
 3602347.5 |     54.58248 (16122817)     69.41483 (17022804)     59.93080
(17011308)     71.02583 (16040807)
 3602097.5 |     49.36439 (16121120)     37.89426 (15013018)     35.59054
(16121203)     32.56950 (17121101)
 3601847.5 |     48.75134 (17011224)     31.95484 (16121120)     30.09023
(15013018)     29.01514 (16121203)
 3601597.5 |     32.07536 (15021604)     31.07491 (17011224)     28.00983
(16121120)     26.14133 (16013009)
 3601347.5 |     31.53910 (17021408)     26.71719 (16010421)     26.28031
(17011224)     23.61903 (16121120)
 3601097.5 |     28.74512 (17021408)     25.12979 (16121022)     23.58314
(16010421)     23.01147 (17011224)
```

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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 859
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP7      ***
                                 INCLUDING SOURCE(S):     TP7         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      454.92988  (16012908)
507708.67   3603932.32      141.06093  (16020401)
        506203.59   3603369.23       34.98861  (17021402)
507919.87   3604794.52      137.50700  (15122808)
        507037.89   3604916.08       58.39888  (16011607)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 860
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP8      ***
                                 INCLUDING SOURCE(S):     TP8         ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.26255 (16020408)     14.24680 (15011008)     17.32729
(16012908)     19.36145 (17020308)     19.20151 (17020308)
 3605847.5 |     15.90897 (15040607)     14.91676 (15010408)     15.81491
(16020408)     17.79287 (16011506)     22.05548 (16012908)
 3605597.5 |     16.48288 (15040607)     18.24991 (15040607)     19.36670
(15040607)     18.78948 (15010408)     20.23020 (16020408)
 3605347.5 |     14.75498 (15012821)     15.59360 (15011608)     17.85169
(15040607)     19.95384 (15040607)     22.81795 (15040607)
 3605097.5 |     15.21315 (15011519)     16.67391 (17012508)     18.43739
(17012508)     18.29926 (15011608)     20.23226 (15011608)
 3604847.5 |     21.49296 (15040307)     21.57970 (15040307)     19.87568
(15040307)     19.72694 (16122808)     21.98035 (17012508)
 3604597.5 |     18.62096 (17092707)     19.05254 (17092707)     20.86254
(15040307)     24.74892 (15040307)     28.33690 (15040307)
```

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 3604347.5 |     18.83214 (16040507)     18.79473 (16040507)     18.67610
(16040507)     20.40498 (16011421)     23.16916 (15122708)
 3604097.5 |     16.39288 (17011708)     18.23091 (17011708)     19.60021
(17011708)     21.37036 (17011708)     23.48778 (17011708)
 3603847.5 |     17.53841 (17021608)     18.62501 (17021608)     20.23799
(17021608)     21.84417 (17122608)     24.81279 (17122608)
 3603597.5 |     17.38359 (17021608)     17.82218 (17021608)     18.68373
(17021608)     19.20227 (15021102)     21.09252 (15021102)
 3603347.5 |     14.52691 (15011603)     16.06236 (17122908)     17.98144
(17122908)     19.75086 (17122908)     21.63084 (17122908)
 3603097.5 |     14.33829 (17021402)     15.46153 (17011719)     16.95545
(17011719)     19.18275 (15012720)     20.46878 (15012720)
 3602847.5 |     14.18242 (16021602)     15.08375 (16021602)     16.63972
(16012803)     18.00326 (16012803)     19.81327 (17120906)
 3602597.5 |     13.80736 (16011702)     15.05678 (17120906)     16.54300
(15011506)     20.43125 (15092907)     24.66605 (15092907)
 3602347.5 |     17.10047 (15092907)     20.29725 (15092907)     22.09960
(15092907)     21.56252 (15092907)     18.72733 (17010704)
 3602097.5 |     19.19966 (15092907)     17.54545 (15092907)     16.58062
(17092807)     22.02643 (17092807)     25.23166 (17092807)
 3601847.5 |     15.83604 (17092807)     20.05107 (17092807)     22.02749
(17092807)     23.60419 (15092707)     29.69006 (15092707)
 3601597.5 |     19.89699 (17092807)     20.37409 (15092707)     25.51156
(15092707)     27.19028 (15092707)     23.54045 (15092707)
 3601347.5 |     22.55869 (15092707)     24.79982 (15092707)     23.10401
(15092707)     17.60803 (15092707)     10.80166 (17122302)
 3601097.5 |     22.26421 (15092707)     18.53405 (15092707)     12.76418
(15092707)      9.70116 (17122105)     10.25805 (15012201)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 861
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP8      ***
                                 INCLUDING SOURCE(S):     TP8         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.75715 (17040507)     26.47221 (17040507)     26.53160
(17020108)     26.35814 (16121408)     39.57881 (16120208)
 3605847.5 |     24.08969 (17020308)     28.22562 (17040507)     31.48804
(17040507)     30.42229 (17020108)     30.71075 (16121408)
 3605597.5 |     23.13138 (16011506)     28.03271 (16012908)     29.17181
(17020308)     36.49849 (17040507)     34.94516 (17020108)
 3605347.5 |     23.27567 (15010408)     25.36131 (16020408)     30.94300
(16012908)     36.59951 (17020308)     38.59685 (17040507)
 3605097.5 |     23.16568 (15040607)     27.52185 (15040607)     29.84567
(15010408)     32.94722 (16020408)     42.30051 (16012908)
 3604847.5 |     23.74579 (17012508)     25.38885 (15011608)     28.87374
(15011608)     32.61763 (15012401)     39.83597 (15121608)
 3604597.5 |     26.46686 (15040307)     27.89821 (16122808)     29.36028
(16122808)     34.80700 (17012508)     39.54844 (15011608)
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 3604347.5 |     26.21656 (17020524)     29.68984 (17020524)     32.21688
(16020401)     33.81537 (17013020)     41.12202 (16011108)
 3604097.5 |     26.03169 (16040507)     30.73014 (16120722)     34.17218
(16120722)     34.74702 (16120722)     39.98256 (16011421)
 3603847.5 |     28.40922 (15010808)     31.20288 (15010808)     33.41820
(15010808)     38.28424 (15010808)     43.43939 (15010808)
 3603597.5 |     24.10342 (15021102)     26.50690 (15021102)     29.35947
(15021102)     33.87830 (16012807)     41.35600 (16012807)
 3603347.5 |     23.65970 (16010308)     26.17615 (16010308)     29.27662
(17011719)     34.50612 (17011719)     40.45886 (16021602)
 3603097.5 |     22.52123 (16021602)     25.21318 (16012803)     28.30006
(16011702)     33.89514 (17120906)     39.38265 (15011506)
 3602847.5 |     21.87883 (15011506)     25.27550 (15092907)     31.10202
(15092907)     33.50724 (15092907)     38.81420 (17010708)
 3602597.5 |     26.64631 (15092907)     25.11751 (15092907)     27.85423
(17092807)     35.45590 (17092807)     45.47044 (15092707)
 3602347.5 |     25.02575 (17092807)     29.71105 (17092807)     35.29483
(15092707)     41.47839 (15092707)     32.81390 (15092707)
 3602097.5 |     28.34225 (15092707)     34.67091 (15092707)     32.80419
(15092707)     21.11982 (15092707)     19.14951 (15012201)
 3601847.5 |     29.92014 (15092707)     23.37925 (15092707)     15.13725
(17122302)     16.47076 (15121422)     17.81826 (17021905)
 3601597.5 |     15.91164 (15092707)     12.79796 (15022607)     14.13239
(15121422)     15.32825 (16121224)     16.33643 (17121505)
 3601347.5 |     11.29134 (15022607)     12.26521 (17012504)     13.22521
(16121224)     14.07528 (17121505)     15.01396 (15120324)
 3601097.5 |     11.07117 (17012504)     11.67274 (16121224)     12.53900
(17121505)     13.20975 (15120324)     13.87897 (17010801)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 862
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP8      ***
                                 INCLUDING SOURCE(S):     TP8         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     46.98481 (16120208)     34.45227 (15121708)     51.62870
(17021308)     66.10458 (15021508)     55.76823 (17021508)
 3605847.5 |     44.65662 (16120208)     51.54662 (16120208)     44.17261
(16010908)     72.91606 (15021508)     64.89391 (17021122)
 3605597.5 |     36.23714 (16121408)     50.47940 (16120208)     53.28807
(16120208)     64.81291 (15122808)     92.41617 (15021508)
 3605347.5 |     40.78893 (15121803)     44.02997 (17020108)     56.28041
(16120208)     60.19801 (15121708)     59.94969 (17021308)
 3605097.5 |     46.74020 (17020308)     51.51978 (16011607)     61.54059
(17020108)     75.88417 (16120208)     77.92315 (15121708)
 3604847.5 |     44.81624 (16020408)     61.52514 (16012908)     69.60403
(15021008)     90.72484 (17020108)    114.70682 (16120208)
 3604597.5 |     46.20432 (17012703)     57.96483 (15121608)     69.92356
(16011506)     98.82442 (17020308)    137.38660 (17020108)
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 3604347.5 |     48.77751 (16122808)     57.82789 (17012508)     69.89780
(15011608)     93.91529 (15121608)    133.29751 (16012908)
 3604097.5 |     47.36934 (16011421)     58.45419 (17020524)     73.41052
(16020401)     93.96402 (16011108)    127.81320 (17012508)
 3603847.5 |     49.73346 (15010808)     60.02989 (15010808)     73.90447
(15010808)     95.22210 (15010808)    134.92914 (17011708)
 3603597.5 |     48.72256 (17122908)     58.76895 (17122908)     72.36166
(17122908)     87.24678 (17011719)    118.48398 (16021602)
 3603347.5 |     47.09532 (16021602)     54.04592 (16011702)     68.25106
(15011506)     88.36982 (17121720)    111.28577 (17121308)
 3603097.5 |     45.72874 (16021406)     53.15838 (17122824)     65.49996
(17121308)     74.29148 (16021107)     60.09829 (17122302)
 3602847.5 |     46.95829 (17121308)     56.01723 (15092707)     51.23290
(15092707)     43.20180 (15121422)     49.40557 (17121505)
 3602597.5 |     46.45635 (15092707)     30.28555 (17122302)     34.40341
(15121422)     36.79330 (17121505)     40.82732 (16021923)
 3602347.5 |     23.49017 (16011206)     26.51511 (17012504)     29.17340
(17121505)     31.97982 (17010801)     34.87828 (16120304)
 3602097.5 |     21.04782 (17021905)     23.32308 (17121505)     24.88014
(17010801)     27.34183 (17012722)     32.19174 (17022103)
 3601847.5 |     19.19563 (17121505)     20.84464 (15120324)     22.25134
(16122704)     24.10799 (17040807)     27.81331 (15121007)
 3601597.5 |     17.52537 (15120324)     18.50594 (16022007)     19.84574
(16120304)     24.81534 (17040807)     30.12350 (17020408)
 3601347.5 |     15.78437 (16021923)     17.02860 (17012722)     23.00761
(17040807)     21.23737 (15041007)     38.67122 (17020408)
 3601097.5 |     14.54362 (16011202)     16.67919 (17040807)     20.49725
(17040807)     22.48092 (15041007)     41.42896 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 863
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP8      ***
                                 INCLUDING SOURCE(S):     TP8         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     60.10850 (17021508)     49.56326 (17020823)     22.55570
(17022408)     14.10705 (16112208)     34.89426 (17032607)
 3605847.5 |     95.21668 (16012808)     71.44029 (16120908)     53.35112
(17022408)     50.12308 (15100707)     83.13368 (17032607)
 3605597.5 |     84.65618 (16020419)     52.80382 (16021807)     53.94949
(16120106)     61.15367 (15010907)    104.45633 (17020819)
 3605347.5 |     56.63076 (15021508)     62.77552 (17021508)     77.66564
(15121906)     49.51619 (15111919)    122.64495 (17120924)
 3605097.5 |     91.54051 (15021508)    163.88264 (16012808)     38.50074
(17022408)     29.47772 (16112208)     47.39858 (17032607)
 3604847.5 |    180.73980 (17021107)    171.48485 (15121303)     73.20003
(17022408)     41.39358 (16112208)     34.00974 (17032607)
 3604597.5 |    165.78704 (15120408)    184.84760 (16021523)     61.22978
(15013009)     63.84753 (16112208)     25.32004 (16111708)
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 3604347.5 |    173.06438 (15120308)    246.31637 (15123008)    349.46384
(16020419)    144.75360 (17032607)     58.61365 (17121007)
 3604097.5 |    184.59958 (17012703)    343.33479 (17020308)    574.37824
(16120708)    681.26011 (16010501)    606.95473 (17011520)
 3603847.5 |    208.44517 (17011708)    353.68036 (17011708)    882.06754
(16020401)   3287.21851 (15101823)    615.22644 (16030902)
 3603597.5 |    177.64736 (17120906)    291.59283 (17010708)    390.05302
(16020405)    732.46548 (16061306)    173.60173 (16012917)
 3603347.5 |    134.98584 (16021107)    132.84084 (17121505)    215.47499
(15021805)    310.05379 (16022219)    138.52245 (16123017)
 3603097.5 |     74.78454 (17121505)     93.89019 (16120304)    128.46805
(17020408)    180.10349 (17122205)    165.67745 (15011507)
 3602847.5 |     59.13439 (16122704)     75.15266 (15121007)     84.56949
(17020905)    105.09633 (17121519)    100.64589 (17011319)
 3602597.5 |     49.59003 (17022103)     74.32736 (17020408)     62.08469
(15022601)     76.78683 (15121123)     73.83624 (17123106)
 3602347.5 |     41.87246 (15121007)     68.18448 (17020408)     48.64735
(16010118)     59.43132 (15121123)     57.93881 (16121418)
 3602097.5 |     45.59612 (17020408)     49.15268 (17020408)     39.16360
(16122020)     47.60201 (15121123)     46.43729 (15021622)
 3601847.5 |     52.78174 (17020408)     31.44371 (17020408)     32.39754
(16122020)     39.29970 (15121123)     38.03321 (15021622)
 3601597.5 |     48.80020 (17020408)     26.97321 (17122619)     27.41137
(16022802)     33.21649 (15121123)     32.94686 (17122218)
 3601347.5 |     39.62286 (17020408)     23.11074 (16011319)     23.83631
(16012923)     28.56214 (15121123)     30.07775 (16112308)
 3601097.5 |     29.03198 (17020408)     20.48210 (15022601)     21.05817
(16012923)     24.97584 (15121123)     26.96604 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 864
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP8      ***
                                 INCLUDING SOURCE(S):     TP8         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     23.05085 (17032607)     14.77778 (17121006)     10.06013
(16111708)      7.64955 (17020109)      6.26903 (17020109)
 3605847.5 |     16.38825 (17032607)     75.58292 (15033023)     17.22779
(16083007)      7.83985 (17020109)      7.57081 (16092207)
 3605597.5 |     87.05855 (16121520)     69.97315 (17101124)     51.61237
(15092321)     23.77989 (16100201)     10.28384 (16081907)
 3605347.5 |    115.81884 (16120120)    100.73618 (16120518)    101.72066
(17021903)     20.88252 (16092207)     10.99783 (17121809)
 3605097.5 |     23.87547 (16083007)     11.54523 (17020109)     24.19222
(16092207)     62.49592 (15101307)     17.04541 (15082707)
 3604847.5 |     21.42814 (16111708)     14.63815 (16092207)     14.90455
(17121809)     10.45820 (15082707)     15.79089 (15082707)
 3604597.5 |     16.05163 (17020519)     18.38334 (17121809)     12.71320
(15082707)      9.91064 (17122309)     18.20280 (17032608)
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 3604347.5 |     44.86064 (17011903)     30.99356 (15022724)     35.21811
(17032608)     42.06103 (16040707)     47.06350 (16040707)
 3604097.5 |    112.59331 (15121321)     80.87244 (16040707)     45.93136
(16040707)     17.33096 (17082707)     16.95336 (17082707)
 3603847.5 |    227.46110 (17073005)     85.23056 (15061006)     38.77166
(16090707)     26.78085 (17030408)     20.72641 (17030408)
 3603597.5 |     88.79095 (15022408)     54.08016 (16011417)     42.18385
(15020117)     33.75942 (16012017)     24.18721 (15061907)
 3603347.5 |    118.21784 (16013009)     80.09964 (16040807)    195.77483
(15022202)     40.54314 (17010617)    106.10571 (15042023)
 3603097.5 |     71.37788 (17010817)    162.75379 (17122124)    118.76115
(17022804)    169.42697 (15121020)    135.29635 (15022202)
 3602847.5 |    151.31159 (17120621)     98.17137 (16121022)     80.43742
(16012022)     95.03910 (16121203)     73.47220 (16121121)
 3602597.5 |     70.27985 (16121220)     89.44926 (15020908)     72.44677
(16010421)     64.25680 (16121120)     65.87467 (16122817)
 3602347.5 |     54.80921 (17010624)     59.01731 (17120621)     69.48322
(17021408)     54.95826 (16010601)     49.15503 (16121120)
 3602097.5 |     44.60555 (16022321)     41.63875 (17010406)     54.28187
(17120621)     49.87196 (17021408)     78.10948 (16010601)
 3601847.5 |     37.80741 (15011921)     37.65667 (15022808)     35.96003
(17120621)     45.57393 (15020908)     40.41713 (16121022)
 3601597.5 |     32.01221 (16122021)     37.67588 (15022808)     28.77879
(17010406)     37.40153 (17120621)     38.88614 (17021408)
 3601347.5 |     28.07545 (15020321)     28.65352 (15022808)     25.56636
(16121220)     25.55187 (16121008)     32.93487 (15020908)
 3601097.5 |     24.68233 (16121418)     24.11018 (17011319)     30.25584
(15022808)     21.65078 (17010406)     27.10952 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 865
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP8      ***
                                 INCLUDING SOURCE(S):     TP8         ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.63300 (16092207)      8.51716 (17121809)      8.02612
(17121809)      5.65828 (17032908)
 3605847.5 |      9.15312 (17121809)      8.80642 (17121809)      6.29912
(17032908)      6.37625 (15082707)
 3605597.5 |      9.77046 (17121809)      7.06574 (17032908)      7.07772
(15082707)      5.76300 (15082707)
 3605347.5 |      7.99057 (17032908)      7.70830 (15082707)      5.37713
(15082707)      4.88330 (17122309)
 3605097.5 |      8.65555 (15022724)      5.30866 (15051907)      8.43182
(17122309)     10.99400 (17122309)
 3604847.5 |     12.35153 (16082307)     12.94677 (17122309)     16.31782
(16040707)     25.82214 (16040707)
 3604597.5 |     25.20342 (16040707)     35.79146 (16040707)     34.56723
(16040707)     26.01527 (16040707)
```

```
 3604347.5 |     33.04218 (16040707)     18.04855 (16040707)     10.19145
(17082707)     10.74511 (17082707)
 3604097.5 |     15.58579 (16090707)     15.50963 (16090707)     14.75994
(16090707)     13.68340 (16090707)
 3603847.5 |     17.40217 (17030408)     15.66234 (15062407)     14.48142
(15062407)     13.48206 (15062407)
 3603597.5 |     23.53330 (16052106)     16.21093 (15061907)     12.91516
(17042907)     12.79015 (17042907)
 3603347.5 |     45.91526 (15091922)     14.24449 (16121017)      7.68106
(15061907)      8.20550 (15061907)
 3603097.5 |     34.78782 (15022408)     16.64888 (15022408)     11.80169
(17122709)     10.64751 (17122709)
 3602847.5 |    116.69914 (15121020)     35.64650 (15022408)     32.79046
(15022408)     20.74702 (15022408)
 3602597.5 |     88.96900 (15031607)     34.06571 (16040807)     40.95083
(16040807)     30.05524 (16040807)
 3602347.5 |     56.12328 (15013018)     71.46524 (17022804)     43.50925
(16060106)     64.81451 (16040807)
 3602097.5 |     86.67226 (17040307)     37.56431 (15013018)     37.85430
(16121203)     34.64781 (17022804)
 3601847.5 |     47.35395 (17011224)     32.82695 (16121120)     30.56082
(17122124)     29.38655 (16122817)
 3601597.5 |     34.02185 (16121022)     30.77917 (17011224)     28.98533
(17122518)     25.72076 (17122124)
 3601347.5 |     32.02125 (17021408)     25.23637 (16010421)     26.13167
(17011224)     24.16183 (17122518)
 3601097.5 |     28.54500 (15020908)     25.30289 (17021408)     22.73017
(16010421)     23.32244 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 866
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP8      ***
                                 INCLUDING SOURCE(S):     TP8         ,

                                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      446.67946  (15121608)
507708.67   3603932.32      146.26850  (16011421)
        506203.59   3603369.23       36.35489  (17011719)
507919.87   3604794.52      197.43315  (16010223)
        507037.89   3604916.08       63.82320  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 867
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP9      ***
```

```
                                   INCLUDING SOURCE(S):     TP9         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     13.37463 (16020408)     14.22216 (15011008)     17.12242
(16012908)     19.40689 (17020308)     19.84483 (17020308)
 3605847.5 |     16.38812 (15040607)     15.32549 (15040607)     16.00215
(16020408)     17.78785 (15011008)     22.22950 (16012908)
 3605597.5 |     16.37197 (15040607)     18.44363 (15040607)     19.99747
(15040607)     19.39976 (15040607)     20.85453 (16020408)
 3605347.5 |     15.31033 (17012508)     15.76380 (15011608)     17.58222
(15040607)     20.01657 (15040607)     23.53632 (15040607)
 3605097.5 |     15.86386 (16122808)     16.79173 (17010407)     18.83853
(17012508)     18.85007 (17012508)     20.56310 (15011608)
 3604847.5 |     21.87584 (15040307)     22.49342 (15040307)     21.25724
(15040307)     20.27097 (16122808)     22.45311 (15011519)
 3604597.5 |     18.88659 (17092707)     19.68665 (17092707)     20.02149
(17092707)     24.32271 (15040307)     28.75963 (15040307)
 3604347.5 |     19.63521 (16040507)     19.86851 (16040507)     20.08157
(16040507)     20.99067 (16011421)     23.72898 (16011421)
 3604097.5 |     16.51569 (17011708)     18.55667 (17011708)     20.02876
(17011708)     22.00996 (17011708)     24.46675 (17011708)
 3603847.5 |     18.87051 (17021608)     20.11401 (17021608)     21.97928
(17021608)     23.04142 (17021608)     25.95929 (17122608)
 3603597.5 |     16.33062 (17021608)     16.59835 (17021608)     17.99558
(15021102)     20.05990 (15021102)     21.85143 (15021102)
 3603347.5 |     14.90797 (17122908)     16.59771 (17122908)     18.44922
(17122908)     20.02487 (17122908)     21.73425 (16010308)
 3603097.5 |     14.48596 (17021402)     15.83195 (17011719)     17.07893
(17011719)     19.63963 (15012720)     20.99956 (16021602)
 3602847.5 |     14.28628 (16021602)     14.99610 (16012803)     17.08119
(16012803)     18.52052 (16011702)     20.36666 (17120906)
 3602597.5 |     13.99548 (17120906)     15.21135 (17120906)     17.38662
(15092907)     22.09380 (15092907)     25.59062 (15092907)
 3602347.5 |     18.34096 (15092907)     21.09230 (15092907)     22.13260
(15092907)     20.67797 (15092907)     19.51047 (17092807)
 3602097.5 |     18.77679 (15092907)     16.52499 (15092907)     18.31912
(17092807)     23.23333 (17092807)     25.22959 (17092807)
 3601847.5 |     17.20623 (17092807)     20.94203 (17092807)     21.97897
(17092807)     25.40389 (15092707)     30.45015 (15092707)
 3601597.5 |     19.84548 (17092807)     21.94480 (15092707)     26.37721
(15092707)     26.83817 (15092707)     22.03019 (15092707)
 3601347.5 |     23.48206 (15092707)     24.82896 (15092707)     22.13852
(15092707)     16.06062 (15092707)     10.84039 (17122302)
 3601097.5 |     21.71468 (15092707)     17.34761 (15092707)     11.42062
(15092707)      9.78724 (17122105)     10.41310 (15121422)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 868
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP9      ***
```

```
                                   INCLUDING SOURCE(S):     TP9         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     27.97953 (17040507)     27.80367 (17040507)     27.00566
(17020108)     26.60425 (16121408)     39.38631 (16120208)
 3605847.5 |     24.74625 (17020308)     27.96973 (17040507)     32.71718
(17040507)     30.59566 (17020108)     30.90890 (16121408)
 3605597.5 |     23.30943 (16011506)     28.84193 (16012908)     30.87498
(17020308)     37.38197 (17040507)     34.81235 (17020108)
 3605347.5 |     23.85947 (15121608)     26.32085 (16020408)     31.06414
(16011506)     37.83455 (17020308)     39.25192 (15021008)
 3605097.5 |     23.07236 (15040607)     28.33471 (15040607)     31.02599
(15121608)     34.51085 (16020408)     42.92573 (16012908)
 3604847.5 |     23.87679 (17012508)     25.90651 (17012508)     30.30353
(15011608)     33.49052 (17012703)     41.40336 (15121608)
 3604597.5 |     27.58496 (15040307)     28.31457 (16122808)     30.45084
(16122808)     34.99502 (17012508)     40.40582 (17012508)
 3604347.5 |     27.19893 (15122708)     30.98184 (17122422)     33.47578
(16020401)     34.26005 (15020702)     41.36035 (16011108)
 3604097.5 |     27.39806 (17011708)     32.60560 (17011708)     35.46921
(16120722)     36.04533 (16120722)     39.84471 (16120722)
 3603847.5 |     29.90078 (17122608)     32.84533 (17122608)     34.94303
(17122608)     40.14604 (17122608)     45.42956 (17122608)
 3603597.5 |     24.86485 (15021102)     27.02875 (16012807)     30.13792
(16012807)     34.79889 (15011603)     44.19335 (17122908)
 3603347.5 |     23.95134 (16010308)     26.45591 (17021402)     30.16210
(17011719)     35.76353 (15012720)     41.99091 (16021602)
 3603097.5 |     22.48014 (16021602)     26.12472 (16012803)     29.09398
(16011702)     34.84318 (15011506)     40.80147 (16021406)
 3602847.5 |     22.38434 (15011506)     27.65180 (15092907)     32.09794
(15092907)     33.71882 (17122824)     40.71015 (17010708)
 3602597.5 |     26.30523 (15092907)     24.73169 (17122824)     30.45970
(17092807)     35.71162 (17092807)     48.65305 (15092707)
 3602347.5 |     26.81711 (17092807)     29.81435 (17092807)     37.92892
(15092707)     41.17191 (15092707)     29.44752 (15092707)
 3602097.5 |     30.48960 (15092707)     35.09409 (15092707)     30.90811
(15092707)     18.36018 (17122302)     19.59767 (15121422)
 3601847.5 |     28.97122 (15092707)     21.18901 (15092707)     15.30987
(17122105)     16.88116 (15121422)     18.13589 (16121224)
 3601597.5 |     14.02396 (15092707)     13.02944 (15022607)     14.26393
(17012504)     15.54554 (16121224)     16.52070 (17121505)
 3601347.5 |     11.52426 (15012201)     12.48410 (17012504)     13.34410
(16020405)     14.23094 (17121505)     15.14460 (15120324)
 3601097.5 |     11.16592 (17012504)     11.84707 (16020405)     12.68854
(17121505)     13.42414 (15120324)     13.96874 (16021923)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 869
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP9      ***
```

```
                                   INCLUDING SOURCE(S):     TP9         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     48.56234 (16120208)     35.51454 (15121708)     53.73466
(17021308)     70.97480 (15021508)     64.41319 (17010724)
 3605847.5 |     44.51722 (16120208)     53.84338 (16120208)     46.43064
(16010908)     75.76781 (15021508)     70.28794 (15121303)
 3605597.5 |     36.36571 (17020202)     50.39775 (16120208)     56.11055
(16120208)     66.16371 (15122808)     94.52460 (15021508)
 3605347.5 |     42.28967 (15121803)     46.11200 (17020108)     56.20346
(16120208)     61.27077 (15121708)     61.03907 (17021308)
 3605097.5 |     49.85554 (17020308)     54.20000 (15120308)     66.14816
(17020108)     77.08549 (16120208)     82.07046 (15121708)
 3604847.5 |     47.53540 (16020408)     64.84191 (16012908)     74.41363
(15021008)     98.75838 (17020108)    121.86575 (16120208)
 3604597.5 |     48.03245 (17121424)     60.28284 (15121608)     73.50652
(16020408)    109.04893 (17020308)    146.87025 (17020108)
 3604347.5 |     49.98406 (16122808)     57.74859 (17012508)     72.62958
(15011608)     96.97149 (15121608)    135.09035 (16012908)
 3604097.5 |     48.49820 (16011421)     60.25269 (15122708)     76.86711
(17020524)     94.17348 (17013020)    135.46295 (16122808)
 3603847.5 |     51.59006 (17122608)     62.66200 (17122608)     77.53757
(17122608)    101.78392 (17122608)    141.72737 (17122608)
 3603597.5 |     51.62838 (17122908)     60.13024 (17122908)     73.44333
(16010308)     90.04060 (15012720)    120.35211 (16012803)
 3603347.5 |     49.31168 (16012803)     56.30178 (17120906)     70.62416
(16021406)     93.44518 (17122824)    113.39752 (17121308)
 3603097.5 |     47.76068 (17121720)     55.87666 (17010708)     67.16213
(17121308)     73.92881 (16021107)     61.06167 (15022607)
 3602847.5 |     48.24103 (17121308)     58.53208 (15092707)     45.22445
(15092707)     44.65061 (15121422)     49.33585 (17121505)
 3602597.5 |     44.22395 (15092707)     30.61011 (17122302)     35.21733
(17012504)     37.08148 (17121505)     41.35364 (16122704)
 3602347.5 |     24.03044 (15022607)     27.02548 (17021905)     29.54493
(17121505)     31.89585 (17010801)     34.90145 (17011624)
 3602097.5 |     21.27465 (16121224)     23.59800 (17121505)     25.35715
(17010801)     27.62421 (17012722)     32.28108 (17022103)
 3601847.5 |     19.40543 (17121505)     21.07654 (17010801)     22.19180
(16122704)     26.28802 (17040807)     27.82969 (15021805)
 3601597.5 |     17.52609 (15120324)     18.91679 (16122704)     19.99329
(17011624)     23.49488 (17040807)     33.51779 (17020408)
 3601347.5 |     15.96792 (16022007)     17.09106 (16120304)     23.86701
(17040807)     22.36291 (15041007)     40.85927 (17020408)
 3601097.5 |     14.84305 (17012722)     18.49566 (17040807)     19.22413
(17040807)     23.97489 (17020408)     42.10683 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 870
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP9      ***
```

```
                                   INCLUDING SOURCE(S):     TP9         ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     41.33187 (17070706)     43.60970 (15022002)     21.96016
(17022408)     13.72454 (16112208)     37.03467 (17032607)
 3605847.5 |     84.63047 (16012808)     94.80115 (16120908)     52.48000
(17022408)     38.08466 (15111919)     86.38063 (17032607)
 3605597.5 |     81.42602 (17021508)     54.95116 (16021807)     56.96436
(16120106)     64.26958 (15010907)    100.58166 (17020819)
 3605347.5 |     59.01001 (15021508)     64.17729 (17021508)     72.10574
(17022408)     35.50716 (15111919)    124.61117 (17120924)
 3605097.5 |     96.52971 (15021508)    149.44767 (16012808)     39.98808
(17022408)     28.52861 (16112208)     41.84589 (17032607)
 3604847.5 |    186.99971 (17021107)    173.17292 (15121303)     78.71686
(17022408)     39.70088 (16112208)     26.16153 (17032607)
 3604597.5 |    180.98296 (15120408)    167.22234 (15021508)     64.17782
(15013009)     65.11299 (17032607)     32.56029 (16111708)
 3604347.5 |    196.25416 (15120308)    276.85099 (15123008)    271.40556
(16020419)    191.08789 (17032607)     57.90814 (17022620)
 3604097.5 |    209.47137 (15011608)    375.30536 (16012908)    693.12804
(15121708)    918.72202 (15122908)    448.37735 (16021003)
 3603847.5 |    217.96753 (17122608)    366.65393 (17011708)   1025.44018
(17011708)   4892.31925 (17020717)    405.61003 (16051406)
 3603597.5 |    186.69123 (16021406)    300.77879 (17121308)    376.95327
(15120324)    449.56733 (16021308)    193.35769 (16013009)
 3603347.5 |    114.00721 (16021107)    130.63002 (15013101)    214.35039
(16012324)    308.04665 (16022219)    112.95240 (16022919)
 3603097.5 |     74.49825 (17121505)     93.12651 (17022103)    122.98085
(16120124)    183.70755 (17122205)    167.78784 (15011507)
 3602847.5 |     58.65196 (17012722)     75.24691 (15021805)     82.99773
(17122619)    101.74970 (17122205)     97.59468 (16022321)
 3602597.5 |     51.16296 (17022103)     78.50332 (17020408)     62.04636
(16010118)     74.01230 (17121519)     71.51906 (17123106)
 3602347.5 |     41.96105 (15021805)     65.84298 (17020408)     48.08589
(17122005)     57.70880 (15121123)     56.52079 (16121418)
 3602097.5 |     50.04886 (17020408)     45.02589 (17020408)     38.65846
(16122020)     46.45848 (15121123)     45.45925 (17121306)
 3601847.5 |     54.17463 (17020408)     30.75576 (17020905)     32.12529
(16022802)     38.54303 (15121123)     37.63226 (15021622)
 3601597.5 |     47.79555 (17020408)     26.71668 (17122619)     27.13834
(16012923)     32.73418 (15121123)     32.71466 (16112308)
 3601347.5 |     37.57087 (17020408)     22.94920 (15022601)     23.69197
(16012923)     28.24846 (15121123)     30.31702 (16112308)
 3601097.5 |     26.87171 (17020408)     20.60061 (16010118)     21.07195
(17010402)     24.80681 (15121123)     27.34260 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 871
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP9      ***
```

```
                                    INCLUDING SOURCE(S):     TP9         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |     20.38683 (17032607)     13.74336 (15121322)     10.28215
(16111708)      7.74899 (17020109)      5.96149 (17020109)
 3605847.5 |     13.65971 (17032607)     68.91469 (15033023)     16.68240
(16083007)      7.61784 (17020109)      8.18974 (16092207)
 3605597.5 |     70.00992 (15021924)     65.37736 (17060105)     39.85029
(15092321)     18.58083 (15022123)     10.38307 (16081907)
 3605347.5 |    100.92238 (15033023)     89.59622 (16120518)     87.70393
(17022521)     20.04796 (16092207)     10.58592 (17121809)
 3605097.5 |     25.37821 (16083007)     11.33365 (17020109)     24.34292
(16092207)     51.36222 (17090523)     12.57245 (15110508)
 3604847.5 |     19.85083 (16111708)     16.16636 (16092207)     14.25097
(17121809)     11.22092 (15022724)     13.89710 (15082707)
 3604597.5 |     20.25435 (16092207)     17.47943 (17121809)     12.29958
(15082707)     12.31049 (17032608)     20.27226 (17032608)
 3604347.5 |     41.89471 (17012305)     33.18720 (15022818)     40.46022
(17032608)     48.93109 (16040707)     44.46296 (16040707)
 3604097.5 |    111.00945 (16040707)     78.40858 (16040707)     32.74361
(16040707)     18.69888 (17082707)     17.08537 (17082707)
 3603847.5 |    175.57821 (15061006)     81.02332 (15021202)     36.91004
(17030408)     25.73631 (17030408)     20.52160 (15062407)
 3603597.5 |     97.75677 (15022408)     51.38591 (17122117)     39.84296
(16121017)     29.57246 (15020117)     22.72350 (15061907)
 3603347.5 |    104.63089 (16013009)     69.40435 (16040807)    150.51658
(16100807)     38.51657 (15012417)     88.33223 (17040401)
 3603097.5 |     56.34840 (17020419)    151.81621 (17122124)    123.40197
(17022804)    150.33729 (15121020)    140.68161 (16121122)
 3602847.5 |    146.06130 (17120621)     97.23704 (16121022)     81.65208
(16121120)     94.59985 (16121203)     74.56050 (17121101)
 3602597.5 |     70.01811 (16121220)     86.91740 (15020908)     71.33628
(16010421)     66.52632 (16121120)     67.13101 (16122817)
 3602347.5 |     53.76706 (17010624)     57.29831 (17120621)     68.97351
(17021408)     54.14481 (16010421)     50.22452 (17122518)
 3602097.5 |     43.76218 (15021419)     41.39977 (17010406)     53.85646
(17120621)     50.17940 (17021408)     84.18354 (16010601)
 3601847.5 |     37.31208 (15011921)     37.57818 (15022808)     35.38152
(16121008)     45.02266 (15020908)     40.81819 (16121022)
 3601597.5 |     31.81486 (16122021)     37.94547 (15022808)     28.61466
(17010406)     36.86087 (17120621)     38.45157 (17021408)
 3601347.5 |     28.05013 (17031208)     29.21071 (15022808)     25.27823
(16121220)     25.50934 (16121008)     32.60999 (15020908)
 3601097.5 |     24.52186 (16121418)     24.01762 (17011319)     30.25964
(15022808)     21.63065 (17010406)     26.84910 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 872
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP9      ***
```

```
                                    INCLUDING SOURCE(S):     TP9         ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |      7.93168 (16092207)      8.72420 (17121809)      7.76885
(17121809)      5.85435 (17032908)
 3605847.5 |      9.45982 (17121809)      8.51111 (17121809)      6.48891
(17032908)      6.49491 (15082707)
 3605597.5 |      9.42559 (17121809)      7.23250 (17032908)      7.07349
(15082707)      5.35594 (15082707)
 3605347.5 |      8.10177 (17032908)      7.49896 (15082707)      4.81156
(15082707)      5.70941 (17122309)
 3605097.5 |      7.56360 (15082707)      5.75096 (17122309)      9.46167
(17122309)     11.52376 (17122309)
 3604847.5 |     13.20686 (16082307)     13.65121 (17122309)     20.15439
(16040707)     28.55898 (16040707)
 3604597.5 |     30.71008 (16040707)     37.64071 (16040707)     32.60415
(16040707)     22.60959 (16040707)
 3604347.5 |     27.23723 (16040707)     13.57694 (16040707)     11.05954
(17082707)     11.24520 (17082707)
 3604097.5 |     16.83507 (16090707)     15.98647 (16090707)     14.71647
(16090707)     13.31527 (16090707)
 3603847.5 |     18.41338 (15062407)     16.74408 (15062407)     15.38422
(15062407)     14.25149 (15062407)
 3603597.5 |     21.40149 (15061907)     16.59753 (15061907)     13.73724
(17042907)     12.21644 (17042907)
 3603347.5 |     39.30235 (15091922)     13.71121 (17082908)      8.25569
(17122709)      7.11390 (15061907)
 3603097.5 |     37.63971 (15022408)     19.95558 (15022408)     11.63971
(17122709)     10.78182 (17122709)
 3602847.5 |    110.08720 (15121020)     37.64405 (16040807)     33.85146
(15022408)     23.12590 (15022408)
 3602597.5 |     72.92212 (15031607)     30.97989 (16040807)     40.58461
(16040807)     32.06809 (16040807)
 3602347.5 |     56.07434 (15013018)     70.17413 (17010220)     37.64589
(16060106)     60.84043 (16040807)
 3602097.5 |     92.18323 (17040307)     38.24248 (17122124)     38.80944
(16121203)     35.90332 (17022804)
 3601847.5 |     67.13348 (16010601)     33.61628 (17122518)     30.93505
(17122124)     29.86754 (16122817)
 3601597.5 |     34.95162 (16121022)     30.59760 (17011224)     29.88609
(17122518)     25.63405 (17122124)
 3601347.5 |     32.00785 (17021408)     24.79756 (16121022)     25.94379
(17011224)     24.68077 (17122518)
 3601097.5 |     28.21155 (15020908)     25.51183 (17021408)     22.26959
(16010421)     23.46562 (17011224)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 873
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TP9      ***
```

```
                                  INCLUDING SOURCE(S):     TP9         ,

                                            *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63      499.90638  (17012508)
507708.67   3603932.32      153.60859  (16120722)
        506203.59   3603369.23       37.62920  (15012720)
507919.87   3604794.52      179.89317  (15122808)
        507037.89   3604916.08       68.46366  (15021008)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 874
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       504118.86              504368.86              504618.86
504868.86              505118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |   1051.43351 (16020408)   1063.01681 (15011008)   1278.45258
(16012908)   1449.20821 (17020308)   1440.24111 (17010508)
 3605847.5 |   1241.24655 (15040607)   1129.64849 (16020408)   1241.95059
(16020408)   1310.85089 (15011008)   1624.95745 (16012908)
 3605597.5 |   1308.38211 (15040607)   1436.91618 (15040607)   1509.96230
(15040607)   1433.19456 (15020808)   1603.88245 (16020408)
 3605347.5 |   1133.82741 (17012508)   1231.76426 (15040607)   1404.96352
(15040607)   1554.80629 (15040607)   1769.71160 (15040607)
 3605097.5 |   1174.08617 (16122808)   1285.64807 (17012508)   1409.04315
(17012508)   1362.29670 (17012508)   1474.54212 (15040607)
 3604847.5 |   1482.23318 (15040307)   1496.69931 (15040307)   1399.37695
(15040307)   1482.15602 (16122808)   1671.14579 (17012508)
 3604597.5 |   1277.46572 (17092707)   1325.44650 (16020508)   1438.46397
(16020508)   1664.84598 (15040307)   1908.07748 (15040307)
 3604347.5 |   1310.83785 (16040507)   1316.15673 (16040507)   1325.23743
(16011421)   1469.31399 (16011421)   1637.89604 (16011421)
 3604097.5 |   1242.03378 (17011708)   1383.00800 (17011708)   1475.70518
(17011708)   1603.64415 (17011708)   1761.22446 (17011708)
 3603847.5 |   1238.86998 (17121208)   1355.67864 (17121208)   1537.43481
(17121208)   1653.94683 (17121208)   1876.77527 (17121208)
 3603597.5 |   1120.12132 (17021608)   1144.06875 (15011703)   1281.59437
(15011703)   1402.49674 (15011703)   1511.00177 (16120907)
 3603347.5 |   1106.51025 (17122908)   1228.63128 (17122908)   1363.28276
(17122908)   1477.37182 (17121708)   1639.79401 (17121708)
 3603097.5 |   1105.25983 (17121708)   1143.54794 (17121708)   1212.69666
(17011719)   1382.49806 (15012720)   1464.81197 (16021602)
 3602847.5 |   1027.68227 (16021602)   1074.84345 (16021602)   1222.10509
(17021301)   1322.93933 (16021621)   1429.95491 (17120906)
 3602597.5 |   1014.26714 (16021621)   1091.66422 (17120906)   1231.56960
(15092907)   1518.68931 (15092907)   1728.50253 (15092907)
 3602347.5 |   1283.55194 (15092907)   1456.39279 (15092907)   1519.99386
(15092907)   1417.99872 (15092907)   1390.99484 (17092807)
 3602097.5 |   1305.87823 (15092907)   1143.29252 (15092907)   1303.09730
(17092807)   1597.89650 (17092807)   1710.56838 (17092807)
 3601847.5 |   1226.44914 (17092807)   1457.74890 (17092807)   1510.68455
(17092807)   1845.74639 (15092707)   2161.77845 (15092707)
 3601597.5 |   1379.96524 (17092807)   1618.58459 (15092707)   1903.27434
(15092707)   1909.50206 (15092707)   1536.30141 (15092707)
 3601347.5 |   1719.97958 (15092707)   1792.96187 (15092707)   1570.16520
(15092707)   1109.50431 (15092707)    814.68331 (15013121)
 3601097.5 |   1565.27192 (15092707)   1219.43896 (15092707)    782.11883
(15092707)    740.74062 (15022607)    780.24315 (16021922)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 875
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       505368.86              505618.86              505868.86
506118.86              506368.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |   1997.37564 (17040507)   1841.62293 (17040507)   1976.99196
(17020108)   1869.28933 (16121408)   3245.37860 (16120208)
 3605847.5 |   1792.13322 (17020308)   2053.34843 (17040507)   2197.55117
(17040507)   2253.73331 (17020108)   2172.79355 (16121408)
 3605597.5 |   1700.89984 (16011506)   2082.82296 (17020308)   2187.83674
(17010508)   2560.67369 (17040507)   2603.78509 (17020108)
 3605347.5 |   1764.91369 (15020808)   1986.81484 (16020408)   2293.71649
(16012908)   2710.79712 (17020308)   2851.71930 (15021008)
 3605097.5 |   1793.35197 (15040607)   2118.31466 (15040607)   2247.45039
(15020808)   2545.54303 (16020408)   3041.35100 (16012908)
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 3604847.5 |   1740.59762 (17012508)   1822.13315 (17012508)   2125.82853
(15040607)   2453.99348 (15013108)   2941.41844 (15121608)
 3604597.5 |   1779.33169 (16122808)   2050.35629 (16122808)   2119.75942
(16122808)   2486.68317 (17012508)   2762.31336 (17012508)
 3604347.5 |   1970.84333 (16020508)   2302.28538 (16020508)   2475.62183
(16020508)   2423.47197 (16020508)   2882.16884 (16122808)
 3604097.5 |   1949.46873 (17011708)   2290.25275 (17011708)   2444.56138
(17011708)   2378.89195 (16120722)   2618.42768 (16011421)
 3603847.5 |   2140.37080 (17121208)   2327.13214 (17121208)   2447.63953
(17121208)   2774.65570 (17121208)   3088.11793 (17121208)
 3603597.5 |   1711.75257 (16120907)   1852.43359 (16120907)   2026.47349
(16011622)   2377.52139 (17122908)   3010.25879 (17122908)
 3603347.5 |   1808.79643 (17121708)   1975.04393 (17121708)   2119.30499
(17121708)   2389.74170 (15012720)   2776.20741 (16021602)
 3603097.5 |   1573.32108 (16021602)   1816.86421 (17021301)   2023.18920
(16021621)   2372.13669 (17120906)   2762.98211 (17122121)
 3602847.5 |   1563.43364 (15011506)   1852.54388 (15092907)   2105.00017
(15092907)   2310.84871 (17121221)   2708.95939 (17010708)
 3602597.5 |   1772.58092 (15092907)   1732.40692 (17121221)   2036.34589
(17092807)   2401.82937 (15092707)   3293.74222 (15092707)
 3602347.5 |   1820.92686 (17092807)   1988.93861 (17092807)   2642.59835
(15092707)   2815.04581 (15092707)   1992.78159 (15092707)
 3602097.5 |   2174.29079 (15092707)   2446.78541 (15092707)   2128.22271
(15092707)   1323.08921 (15020106)   1415.44890 (16021922)
 3601847.5 |   2028.46784 (15092707)   1450.06988 (15092707)   1130.36162
(16011206)   1225.12248 (16021922)   1295.48621 (16121224)
 3601597.5 |    952.44679 (15092707)    974.52360 (15022607)   1048.20787
(16022207)   1130.39852 (16020706)   1184.39829 (17120903)
 3601347.5 |    849.47964 (15022607)    920.47704 (16022207)    985.20205
(16020706)   1029.27728 (17121505)   1113.43992 (16011601)
 3601097.5 |    826.38684 (15120502)    879.19246 (16020706)    924.89570
(17121505)    982.29030 (16011601)   1038.92913 (17022221)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 876
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                 CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                 HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       506618.86              506868.86              507118.86
507368.86              507618.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |   3485.17461 (16120208)   2540.19327 (16120708)   4263.87587
(15021508)   5063.63858 (15021508)   4653.04298 (17021508)
 3605847.5 |   3622.95404 (16120208)   3742.53204 (16120208)   3230.81689
(16010908)   6015.15203 (15021508)   4825.06041 (15121303)
 3605597.5 |   2556.94969 (16121408)   4032.44306 (16120208)   3747.22002
(16120208)   5305.24427 (16010223)   6468.74148 (15021508)
 3605347.5 |   3148.75017 (17020108)   3065.09228 (17020108)   4391.17132
(16120208)   4522.54421 (16120708)   4844.19778 (15021508)
 3605097.5 |   3386.01052 (17020308)   3724.45034 (15120308)   4471.95612
(17020108)   5851.81469 (16120208)   5664.17202 (16120708)
 3604847.5 |   3401.31460 (16020408)   4458.52339 (17020308)   5075.27337
(15021008)   6653.24241 (17020108)   8857.39818 (16120208)
 3604597.5 |   3291.89609 (15013108)   4198.42473 (15121608)   5045.26344
(16020408)   7046.05137 (17020308)   9718.71355 (17020108)
 3604347.5 |   3391.11495 (16122808)   3936.90082 (17012508)   4654.26796
(17012508)   6582.69950 (15121608)   8896.28016 (16012908)
 3604097.5 |   3167.94417 (16020508)   4138.92896 (16020508)   5243.42013
(16020508)   6013.42049 (16122808)   8127.82159 (16122808)
 3603847.5 |   3432.33692 (17121208)   4073.49288 (17121208)   4895.01647
(17121208)   6240.56566 (17121208)   8391.58332 (17121208)
 3603597.5 |   3473.56052 (17122908)   4076.68854 (17121708)   5014.73038
(17121708)   5676.98924 (17121708)   6905.52769 (17021301)
 3603347.5 |   3243.72010 (17021301)   3734.60794 (16021621)   4486.52267
(17122121)   5751.27488 (17121221)   6855.19348 (17121308)
 3603097.5 |   3169.15965 (17121720)   3609.98561 (17010708)   4454.18452
(17121308)   4631.26927 (16021107)   4061.06781 (15022607)
 3602847.5 |   3317.05747 (17121308)   3799.68338 (15092707)   2993.18982
(15092707)   3035.45480 (16021922)   3402.25445 (15010508)
 3602597.5 |   2960.45400 (15092707)   2161.58634 (16011206)   2444.58609
(16022207)   2586.26825 (15010508)   3019.06818 (17011608)
 3602347.5 |   1729.85869 (15022607)   1882.15663 (17021905)   2074.78750
(15010508)   2274.08778 (17011608)   2481.91500 (17022222)
 3602097.5 |   1508.19045 (16121224)   1667.58930 (17120903)   1814.03588
(15011602)   1972.61162 (15122707)   2340.91114 (16011119)
 3601847.5 |   1382.74363 (17120903)   1535.11542 (15011602)   1645.90543
(17011608)   1794.34996 (17022103)   2043.00719 (16120723)
 3601597.5 |   1294.88662 (16011601)   1432.66202 (17011608)   1462.63760
(17120918)   1695.26287 (16011119)   2817.01758 (17020408)
 3601347.5 |   1211.95083 (17011608)   1258.45584 (15122707)   1569.08782
(17040807)   1690.06448 (15041007)   3269.78345 (17020408)
 3601097.5 |   1104.65597 (17122820)   1310.06270 (17040807)   1339.28514
(16011119)   2050.41498 (17020408)   3232.70114 (17020408)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 877
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                 CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                 HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                X-COORD (METERS)
```

```
  (METERS) |       507868.86              508118.86              508368.86
508618.86              508868.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |   2624.53568 (17070706)   3273.69460 (17022408)   1278.79971
(17022408)    804.28487 (16112208)   2721.43901 (17032607)
 3605847.5 |   5200.91314 (17021508)   5667.58710 (16120908)   3128.03377
(17022408)   2467.64807 (15111919)   5780.43092 (17032607)
 3605597.5 |   6201.29322 (17021508)   3723.68898 (16121101)   3944.68094
(16120106)   5120.62936 (15010907)   6035.15959 (17032607)
 3605347.5 |   4086.70975 (17010208)   4319.91272 (16021807)   4669.20991
(17022408)   2567.09325 (16091507)   7156.63234 (17120924)
 3605097.5 |   7040.98560 (15021508)   8357.35545 (16012808)   2795.90224
(17022408)   2256.59939 (17032607)   2067.08027 (17032607)
 3604847.5 |  10197.92383 (17022405)   9729.25536 (16020419)   5234.19376
(17022408)   3390.33320 (17032607)   1177.38514 (17032607)
 3604597.5 |  12348.13721 (17013108)  11738.56238 (15021508)   4644.94409
(15092607)   5774.09375 (17032607)   2188.17014 (16111708)
 3604347.5 |  12305.71121 (17020108)  19354.88236 (16120708)  12717.34934
(17070706)  12433.36334 (17032607)   2963.84958 (17020109)
 3604097.5 |  11990.41720 (15013108)  21129.63394 (17020308)  42871.51789
(16120708)  42818.60620 (16122307)  15079.24918 (16012507)
 3603847.5 |  12265.68162 (17121208)  18554.42173 (17121208)  40202.34870
(17121208)  65267.60699 (16013022)  12143.62978 (17103122)
 3603597.5 |   9973.95498 (16120806)  14206.49673 (17121308)  19709.05499
(15010508)  21149.50734 (17062006)   7855.23298 (16013009)
 3603347.5 |   7222.27500 (16021420)   8332.48879 (15010508)  14183.15570
(16022703)  19983.98456 (16010923)   4898.54493 (15010817)
 3603097.5 |   5048.16330 (15010508)   6548.70569 (17022103)   8715.56628
(16021123)  12645.60871 (15121602)  10999.00341 (17010406)
 3602847.5 |   4066.22656 (17011608)   5253.97776 (17020408)   6048.38041
(16012208)   7218.96897 (15011019)   6868.19953 (17021423)
 3602597.5 |   3652.74196 (17022103)   5790.26916 (17020408)   4765.49697
(16012208)   5355.38711 (15011303)   5145.79979 (15011921)
 3602347.5 |   3035.13630 (17020408)   4408.42367 (17020408)   3607.84343
(16012208)   4206.43933 (15020120)   4097.96513 (15010918)
 3602097.5 |   4030.98101 (17020408)   2792.44721 (17020408)   2850.47330
(16013008)   3392.67876 (17122205)   3347.40950 (16010923)
 3601847.5 |   4085.02280 (17020408)   2297.41323 (15011724)   2452.53079
(16013008)   2807.49867 (16120423)   2728.35322 (17121306)
 3601597.5 |   3390.63381 (17020408)   1932.25941 (17011601)   2108.77019
(16013008)   2403.48261 (16120423)   2362.98237 (15021622)
 3601347.5 |   2518.33434 (17020408)   1743.94137 (16012208)   1848.39627
(16013008)   2083.23783 (16120423)   2192.59521 (16112308)
 3601097.5 |   1735.90702 (17111908)   1612.97730 (16012208)   1640.06673
(16013008)   1836.28209 (16120423)   2047.03335 (16112308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 878
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                    CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                    HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                    SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TAC      IN MICROGRAMS/M**3
**

 Y-COORD  |                                                    X-COORD (METERS)
 (METERS) |       509118.86              509368.86              509618.86
509868.86              510118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |   1083.91314 (17032607)    842.19324 (16083007)    685.24389
(16111708)    608.17666 (17020109)    430.41867 (17020109)
 3605847.5 |    706.07746 (16010705)   4114.67098 (15122821)   1084.66609
(16083007)    565.09534 (17020109)    540.02580 (16092207)
 3605597.5 |   4420.57434 (15021924)   3785.98531 (17060105)   2253.10487
(15092321)   1106.59168 (16100201)    772.06062 (17121809)
 3605347.5 |   5525.89533 (15033023)   4838.91288 (16120518)   5016.26178
(17022521)   1191.94400 (16092207)    748.59072 (17121809)
 3605097.5 |   1734.04094 (16083007)    811.76692 (17020109)   1432.62489
(16092207)   2993.76366 (17090523)    835.74605 (15110508)
 3604847.5 |   1056.02961 (16111708)    987.08244 (17121809)    964.98399
(17121809)    702.35783 (17032908)    878.96354 (15082707)
 3604597.5 |   1251.74832 (16092207)   1139.52716 (17121809)    737.39192
(17032908)    912.11638 (17032608)   1252.70395 (16040707)
 3604347.5 |   1784.92735 (15082707)   1431.08926 (15082707)   2105.90641
(17032608)   2763.97768 (16040707)   2573.62786 (16040707)
 3604097.5 |   6437.66498 (16040707)   3684.06466 (16040707)   2218.48036
(16040707)   1107.28615 (17082707)   1043.98127 (17082707)
 3603847.5 |   6258.62353 (17103122)   3327.32214 (15062407)   2009.20622
(17030408)   1472.42755 (17030408)   1194.53642 (17030408)
 3603597.5 |   4291.50359 (15022408)   1988.96126 (17122709)   1978.27672
(17122709)   1339.69434 (15061907)   1313.67454 (15061907)
 3603347.5 |   5175.77050 (16013009)   4179.21602 (16040807)   7115.54932
(16100807)   2258.84086 (15022408)   4446.69483 (17040401)
 3603097.5 |   2897.54844 (17060706)  10947.25415 (17040307)   6958.71571
(17022804)   7666.68292 (15121020)   7177.02021 (16121122)
 3602847.5 |  10875.52557 (17120621)   6130.14496 (16010601)   5290.57661
(16012022)   5920.43025 (16121203)   4682.71402 (16121121)
 3602597.5 |   4937.39539 (17010406)   6320.00493 (17021408)   4814.43139
(16010601)   4440.38862 (16012022)   4381.59380 (16122817)
 3602347.5 |   3852.82050 (16121204)   4489.54424 (17120621)   4803.83276
(17021408)   3686.12286 (16010601)   3437.85506 (16012022)
 3602097.5 |   3142.55623 (15021419)   2998.24900 (17122806)   3921.41663
(15020908)   3352.36837 (15021604)   5148.52190 (15011201)
 3601847.5 |   2732.09453 (16022321)   2621.03405 (16121220)   2894.48674
(17120621)   3431.52029 (17021408)   2828.29847 (15021604)
 3601597.5 |   2366.20900 (15011921)   2603.12259 (15022808)   2102.22721
(17122806)   2676.80589 (17120621)   2891.50978 (17021408)
 3601347.5 |   2060.23185 (15010918)   2303.11516 (15022808)   1826.70905
(16121220)   1959.21776 (17120621)   2436.02863 (15020908)
 3601097.5 |   1827.51361 (15020321)   1784.39005 (16022321)   1924.70437
(15022808)   1612.92381 (17122806)   2051.79956 (17120621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 879
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
```

```
                 CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                 HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TAC      IN MICROGRAMS/M**3
**

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       510368.86              510618.86              510868.86
511118.86
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3606097.5 |    527.49518 (17121809)    660.11694 (17121809)    567.28593
(17121809)    444.59238 (17032908)
 3605847.5 |    714.05625 (17121809)    615.87642 (17121809)    486.14237
(17032908)    449.94473 (17032908)
 3605597.5 |    674.13889 (17121809)    533.23169 (17032908)    473.61082
(15082707)    352.52373 (15082707)
 3605347.5 |    588.64763 (17032908)    493.11099 (15082707)    312.38408
(15082707)    441.72820 (17122309)
 3605097.5 |    488.66834 (15082707)    462.94318 (17122309)    677.90953
(17122309)    795.13198 (17122309)
 3604847.5 |    908.78656 (16082307)    920.29778 (17122309)   1431.69776
(16040707)   1836.86714 (16040707)
 3604597.5 |   1985.17899 (16040707)   2277.40488 (16040707)   2050.52019
(16040707)   1506.90249 (16040707)
 3604347.5 |   1793.19391 (16040707)    992.47600 (16040707)    730.21913
(17082707)    742.96652 (17082707)
 3604097.5 |    996.12949 (16090707)    963.41760 (16090707)    910.70270
(16090707)    846.80765 (16090707)
 3603847.5 |   1090.53743 (15062407)   1010.73313 (15062407)    946.27505
(15062407)    890.73093 (15062407)
 3603597.5 |   1232.15663 (15061907)    959.71770 (15061907)    806.82447
(17042907)    749.57110 (17042907)
 3603347.5 |   2167.24734 (15091922)    926.61010 (17082908)    567.34571
(17122709)    497.93911 (15061907)
 3603097.5 |   2179.85124 (15022408)   1266.56340 (15022408)    844.65110
(17122709)    766.57605 (17122709)
 3602847.5 |   6011.21097 (16040807)   2279.99335 (16040807)   2047.67808
(15022408)   1432.56486 (15022408)
 3602597.5 |   4051.12952 (15031607)   2316.56942 (16040807)   2604.95548
(16040807)   1992.05617 (16040807)
 3602347.5 |   3729.12419 (16122817)   4198.45230 (15031607)   2305.12703
(16071324)   4335.18378 (16040807)
 3602097.5 |   5786.23925 (17040307)   2632.32830 (15013018)   2579.71032
(16121203)   2292.00778 (17022804)
 3601847.5 |   4111.58318 (15011201)   2330.12602 (16012022)   2051.52319
(15013018)   2048.78336 (16122817)
 3601597.5 |   2375.55480 (17022803)   2132.83594 (17011224)   2069.62630
(16012022)   1747.27252 (17122124)
 3601347.5 |   2289.91179 (17021408)   1792.36573 (16010421)   1801.28914
(17011224)   1724.67421 (17011021)
 3601097.5 |   2186.19116 (17021408)   1817.27821 (15021604)   1595.18576
(16010421)   1646.39809 (17021621)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 880
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     HMA1        , OFFRD
, CBP1        , CBP2        , CBP3        ,
                 CBP4        , AS1         , TC5         , RAP1        , HSI1
, TC6         , AS2         , TC7         ,
                 HMA2        , HMA3        , CTB2        , CTB1        , SP1
, SP2         , SP6         , SP7         ,
                 SP8         , SP9         , SP10        , SP11        , SP15
, SP16        , SP17        ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

                                          ** CONC OF TAC      IN MICROGRAMS/M**3
**

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD
(M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        508226.78   3603955.63    25515.69925  (17012508)
507708.67   3603932.32     8930.19685  (17011708)
        506203.59   3603369.23     2498.61036  (15012720)
507919.87   3604794.52     9429.57324  (16010202)
        507037.89   3604916.08     4670.85700  (15120308)

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 881
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                    *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***

                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

AS1       1ST HIGHEST VALUE IS      66.68122 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      44.36118 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      28.40157 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      21.37385 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.41921 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      15.04975 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.77778 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
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          8TH HIGHEST VALUE IS      11.80244 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.55781 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.94044 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1

AS2       1ST HIGHEST VALUE IS     240.04486 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      36.55812 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      20.42576 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      19.92453 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      15.41319 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.10901 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.59898 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.29200 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.45852 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.11718 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

CBP1      1ST HIGHEST VALUE IS      62.74962 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      53.29386 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      36.66128 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      30.11202 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      22.73402 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      15.72461 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      11.41827 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.32410 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.14163 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.46564 AT (  507868.86,  3604347.54,
203.30,   714.70,    0.00)  GC  UCART1

CBP2      1ST HIGHEST VALUE IS      77.23282 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      50.42752 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      34.72602 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.73086 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      19.72980 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      16.91168 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.86381 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.73401 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       8.96864 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.49903 AT (  507868.86,  3604347.54,
203.30,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 882
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

CBP3      1ST HIGHEST VALUE IS      68.66044 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      46.36161 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      39.65106 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      24.39704 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      19.74003 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.28094 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.83494 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.15466 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.17926 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.06844 AT (  507868.86,  3604347.54,
203.30,   714.70,    0.00)  GC  UCART1

CBP4      1ST HIGHEST VALUE IS     174.22285 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      40.32432 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      30.38277 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      29.08821 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      23.53464 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          6TH HIGHEST VALUE IS      19.78980 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      16.35666 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.74378 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.09501 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.76451 AT (  507868.86,  3604347.54,
203.30,   714.70,    0.00)  GC  UCART1
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CR1       1ST HIGHEST VALUE IS     123.09113 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      37.05492 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      26.04476 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.65873 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.11232 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          6TH HIGHEST VALUE IS      15.76048 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      10.37387 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       9.99334 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.64637 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.91685 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1

CR2       1ST HIGHEST VALUE IS     109.92930 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      38.06368 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      28.59764 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.07032 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.47525 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          6TH HIGHEST VALUE IS      15.23904 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      10.33741 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.26541 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.44443 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.18166 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 883
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

CR3       1ST HIGHEST VALUE IS      56.07557 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      47.87300 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      32.28192 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      20.31072 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      18.46991 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.42122 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      11.70233 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.57094 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.28843 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.11963 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1

CR4       1ST HIGHEST VALUE IS     254.22522 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.11907 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      25.70448 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.98283 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.22771 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.57582 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.52550 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.70973 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.42249 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.10956 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

CR5       1ST HIGHEST VALUE IS     197.42609 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      37.82732 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      21.15984 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      20.69754 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      15.76230 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.56997 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.79334 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.37226 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.26876 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.26478 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

CTB1      1ST HIGHEST VALUE IS      58.64369 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      49.47442 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      25.27468 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
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          4TH HIGHEST VALUE IS      20.13887 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      14.79644 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.97522 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.61667 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      13.10941 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.25480 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.63768 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 884
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

CTB2      1ST HIGHEST VALUE IS      86.75696 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      51.30727 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      23.59590 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      18.57931 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      14.64713 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.59871 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.51529 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.75230 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.58042 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.18046 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1

DST1      1ST HIGHEST VALUE IS     411.72697 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      47.15936 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      28.80812 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      26.00389 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      23.53442 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      23.00458 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      20.49810 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      13.72168 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      12.15582 AT (  507868.86,  3604347.54,
203.30,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.08013 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

HAUL      1ST HIGHEST VALUE IS      61.68889 AT (  507118.86,  3603347.54,
191.10,   678.30,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      56.01777 AT (  507368.86,  3603347.54,
197.70,   678.80,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      54.92523 AT (  507618.86,  3604097.54,
190.20,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      54.47276 AT (  506868.86,  3603347.54,
184.30,   184.30,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      50.23723 AT (  507618.86,  3603847.54,
191.30,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      47.52925 AT (  507618.86,  3603597.54,
190.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      43.30148 AT (  507618.86,  3603347.54,
187.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      31.28307 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      29.61184 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      21.25711 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1

HMA1      1ST HIGHEST VALUE IS       3.12481 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       1.69174 AT (  508868.86,  3603597.54,
267.40,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS       1.47552 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS       0.82555 AT (  509368.86,  3603597.54,
279.60,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS       0.76838 AT (  509118.86,  3603847.54,
239.30,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS       0.71915 AT (  508868.86,  3603347.54,
248.80,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS       0.70256 AT (  509618.86,  3603597.54,
275.00,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       0.69829 AT (  509368.86,  3603347.54,
264.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       0.64894 AT (  509368.86,  3603847.54,
251.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       0.59879 AT (  509118.86,  3603097.54,
254.90,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 885
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***
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                              ** CONC OF TAC      IN MICROGRAMS/M**3
**

NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

HMA2      1ST HIGHEST VALUE IS      70.45663 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      56.55793 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      31.66067 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      28.26041 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      19.77692 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      16.49388 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      15.76557 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.59318 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.17928 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.01542 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1

HMA3      1ST HIGHEST VALUE IS      81.25277 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      65.45415 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      34.85461 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      22.82836 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      21.39105 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      18.83337 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.95764 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.05868 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.26784 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.65830 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1

HMA4      1ST HIGHEST VALUE IS       3.13829 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       1.60248 AT (  508868.86,  3603597.54,
267.40,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS       1.43230 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS       0.77904 AT (  509118.86,  3603847.54,
239.30,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS       0.77433 AT (  509368.86,  3603597.54,
279.60,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS       0.74866 AT (  508868.86,  3603347.54,
248.80,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS       0.68666 AT (  509368.86,  3603347.54,
264.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       0.66905 AT (  509618.86,  3603597.54,
275.00,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       0.66637 AT (  509368.86,  3603847.54,
251.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       0.61049 AT (  509118.86,  3603097.54,
254.90,   714.70,    0.00)  GC  UCART1

HSI1      1ST HIGHEST VALUE IS     273.86700 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.30050 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      19.14289 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.87238 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      14.62686 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.49343 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.24038 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.34069 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.42841 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.19156 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 886
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**

NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

OFFRD     1ST HIGHEST VALUE IS      68.81174 AT (  508618.86,  3603097.54,
204.40,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      59.38620 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      37.73554 AT (  508868.86,  3603097.54,
205.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      20.69896 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      18.85852 AT (  508618.86,  3602847.54,
172.40,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      16.95752 AT (  508368.86,  3603097.54,
187.40,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      16.02906 AT (  508868.86,  3602847.54,
181.00,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.77163 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
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          9TH HIGHEST VALUE IS       8.62919 AT (  508368.86,  3602847.54,
174.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.51620 AT (  509118.86,  3602847.54,
216.00,   714.70,    0.00)  GC  UCART1

PLO       1ST HIGHEST VALUE IS      85.82715 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      30.81775 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          3RD HIGHEST VALUE IS      25.34888 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      22.41077 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      15.83141 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.70809 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.48787 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.10486 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.62426 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.06178 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1

RAP1      1ST HIGHEST VALUE IS      65.59321 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      45.75412 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      28.61407 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      21.17504 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.65001 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      15.81636 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.47976 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.78755 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.13883 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.48536 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1

RMP       1ST HIGHEST VALUE IS      28.36856 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      23.53610 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      21.80592 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      20.13361 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      15.93996 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      15.79574 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      15.41937 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          8TH HIGHEST VALUE IS       9.82942 AT (  508618.86,  3603097.54,
204.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       8.64457 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.30986 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 887
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ROAD      1ST HIGHEST VALUE IS      95.39654 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      55.77340 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      35.01065 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      31.54713 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      29.00175 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      21.75953 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      19.30549 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      18.46340 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      12.41533 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.29442 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1

SC1       1ST HIGHEST VALUE IS     115.30785 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      37.69610 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      27.40354 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.35957 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.33097 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          6TH HIGHEST VALUE IS      15.46932 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      10.32445 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.17081 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.54108 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.06695 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1

SC2       1ST HIGHEST VALUE IS     258.80688 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
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          2ND HIGHEST VALUE IS      33.17835 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      18.71723 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.70312 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.29451 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.42824 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.09898 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.13014 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.47278 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.23891 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

SC3       1ST HIGHEST VALUE IS     306.76296 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.12254 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      25.18933 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.94854 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.00294 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.59876 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.45771 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.80600 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.50931 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.00706 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 888
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

SC4       1ST HIGHEST VALUE IS     210.61771 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      37.75748 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      21.69179 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      21.38698 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.76872 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.81005 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.14731 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.21550 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.67625 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.25616 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

SC5       1ST HIGHEST VALUE IS     232.02127 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      30.30270 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      30.18859 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.70767 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      17.65974 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.19659 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.60288 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.48975 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.40056 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.79697 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1

SC6       1ST HIGHEST VALUE IS     238.22508 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      30.84144 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      28.99259 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.15883 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      18.14825 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          6TH HIGHEST VALUE IS      13.91202 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.27998 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.92601 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.51836 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.71883 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1

SC7       1ST HIGHEST VALUE IS     164.18792 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      30.32481 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      29.03394 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      15.99032 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
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          5TH HIGHEST VALUE IS      15.00490 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      12.92924 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      11.58553 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.56788 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.18436 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.87271 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 889
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

SP1       1ST HIGHEST VALUE IS      49.52912 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      26.75695 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      15.49937 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      13.99538 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      12.83917 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      12.23049 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      10.06190 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       9.00569 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       8.91058 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.04128 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1

SP10      1ST HIGHEST VALUE IS      82.34937 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      36.24979 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      34.60672 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      25.81047 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      19.54554 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      15.53518 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.40006 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      13.18424 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      12.18292 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.33593 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1

SP11      1ST HIGHEST VALUE IS     154.80516 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      43.39615 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      29.27578 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      27.32552 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      19.79983 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      19.44848 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.19408 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.25940 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.81189 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.77593 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

SP15      1ST HIGHEST VALUE IS      56.18103 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      46.09139 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      25.61017 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      21.62502 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      20.93009 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      20.62490 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      18.74482 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.86478 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.57071 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.90955 AT (  508618.86,  3603097.54,
204.40,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 890
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
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NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

SP16      1ST HIGHEST VALUE IS      59.09187 AT (  508368.86,  3603847.54,
202.50,   714.70,     0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      32.39663 AT (  508618.86,  3603597.54,
231.90,   714.70,     0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      30.96314 AT (  508368.86,  3603597.54,
196.20,   714.70,     0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      23.98953 AT (  508226.78,  3603955.63,
202.73,   714.66,     0.00)  DC
          5TH HIGHEST VALUE IS      21.02669 AT (  508618.86,  3603347.54,
205.10,   714.70,     0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      16.38729 AT (  508118.86,  3603847.54,
195.40,   714.70,     0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      15.44598 AT (  508368.86,  3603347.54,
196.90,   714.70,     0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.82874 AT (  508618.86,  3603847.54,
215.80,   714.70,     0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.56457 AT (  508118.86,  3604097.54,
202.70,   714.70,     0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.58287 AT (  508618.86,  3603097.54,
204.40,   714.70,     0.00)  GC  UCART1

SP17      1ST HIGHEST VALUE IS      55.44503 AT (  508618.86,  3603597.54,
231.90,   714.70,     0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      47.71273 AT (  508368.86,  3603847.54,
202.50,   714.70,     0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      29.47787 AT (  508368.86,  3603597.54,
196.20,   714.70,     0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      21.84177 AT (  508618.86,  3603347.54,
205.10,   714.70,     0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      20.61405 AT (  508226.78,  3603955.63,
202.73,   714.66,     0.00)  DC
          6TH HIGHEST VALUE IS      15.21357 AT (  508118.86,  3603847.54,
195.40,   714.70,     0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.80775 AT (  508368.86,  3603347.54,
196.90,   714.70,     0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.29467 AT (  508618.86,  3603847.54,
215.80,   714.70,     0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.26163 AT (  508118.86,  3604097.54,
202.70,   714.70,     0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.70344 AT (  508618.86,  3603097.54,
204.40,   714.70,     0.00)  GC  UCART1

SP18      1ST HIGHEST VALUE IS      77.26803 AT (  508618.86,  3603597.54,
231.90,   714.70,     0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      35.54688 AT (  508368.86,  3603847.54,
202.50,   714.70,     0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      31.78825 AT (  508368.86,  3603597.54,
196.20,   714.70,     0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      24.30275 AT (  508618.86,  3603347.54,
205.10,   714.70,     0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      17.49467 AT (  508226.78,  3603955.63,
202.73,   714.66,     0.00)  DC
          6TH HIGHEST VALUE IS      15.60196 AT (  508368.86,  3603347.54,
196.90,   714.70,     0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      15.35907 AT (  508118.86,  3603847.54,
195.40,   714.70,     0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.31816 AT (  508618.86,  3603097.54,
204.40,   714.70,     0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.02103 AT (  508118.86,  3604097.54,
202.70,   714.70,     0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.14639 AT (  507868.86,  3604097.54,
202.30,   714.70,     0.00)  GC  UCART1

SP2       1ST HIGHEST VALUE IS      50.90080 AT (  508368.86,  3603847.54,
202.50,   714.70,     0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      22.60184 AT (  508226.78,  3603955.63,
202.73,   714.66,     0.00)  DC
          3RD HIGHEST VALUE IS      22.12154 AT (  508368.86,  3603597.54,
196.20,   714.70,     0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.33165 AT (  508618.86,  3603597.54,
231.90,   714.70,     0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.64255 AT (  508618.86,  3603347.54,
205.10,   714.70,     0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.45376 AT (  508618.86,  3603847.54,
215.80,   714.70,     0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.84897 AT (  508118.86,  3603847.54,
195.40,   714.70,     0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.40702 AT (  508118.86,  3604097.54,
202.70,   714.70,     0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.96080 AT (  508368.86,  3603347.54,
196.90,   714.70,     0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.34190 AT (  508618.86,  3603097.54,
204.40,   714.70,     0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***         05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 891
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

SP6       1ST HIGHEST VALUE IS      94.64870 AT (  508618.86,  3603847.54,
215.80,   714.70,     0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      61.26225 AT (  508368.86,  3603847.54,
202.50,   714.70,     0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      33.82753 AT (  508226.78,  3603955.63,
202.73,   714.66,     0.00)  DC
          4TH HIGHEST VALUE IS      23.14692 AT (  508368.86,  3603597.54,
196.20,   714.70,     0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      21.47356 AT (  508118.86,  3604097.54,
202.70,   714.70,     0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      19.22761 AT (  508368.86,  3604097.54,
207.00,   714.70,     0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.49445 AT (  508618.86,  3603347.54,
205.10,   714.70,     0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.74023 AT (  508118.86,  3603847.54,
195.40,   714.70,     0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.55455 AT (  508368.86,  3603347.54,
196.90,   714.70,     0.00)  GC  UCART1
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         10TH HIGHEST VALUE IS       9.40483 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1

SP7       1ST HIGHEST VALUE IS      83.64209 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      65.29499 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      34.56777 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      24.09640 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      21.21604 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      17.82586 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.21812 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.19580 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.00556 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.49399 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1

SP8       1ST HIGHEST VALUE IS      71.50053 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      63.66614 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      35.04793 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      25.02516 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      20.76458 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      16.09042 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.01580 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.73056 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.49116 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.55089 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1

SP9       1ST HIGHEST VALUE IS      81.77745 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      49.13283 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      35.74258 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      25.93936 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      20.60248 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.77730 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.46704 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      13.20328 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.91757 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.48006 AT (  507868.86,  3604097.54,
202.30,   714.70,    0.00)  GC  UCART1
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 892
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

TC5       1ST HIGHEST VALUE IS      64.78784 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      44.24256 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      28.08973 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      21.11849 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.29136 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      15.37786 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.65139 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.75090 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.00452 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.75047 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1

TC6       1ST HIGHEST VALUE IS     324.68728 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.31034 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      20.40572 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.20951 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      14.57737 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.56831 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.15995 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.94263 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.27618 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.20554 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

TC7       1ST HIGHEST VALUE IS     290.43892 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
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          2ND HIGHEST VALUE IS      34.94347 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      20.57023 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.91726 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.01592 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.93951 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.96176 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.35035 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.32625 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       8.92515 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

TP10      1ST HIGHEST VALUE IS     316.52304 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.31808 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      20.11832 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.12267 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      14.55268 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.48619 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.47755 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.81707 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.31852 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.21121 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 893
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

TP11      1ST HIGHEST VALUE IS     354.70783 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.57394 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      22.88227 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.84187 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      14.73513 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.16385 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.96933 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.28290 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.95029 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.37613 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

TP12      1ST HIGHEST VALUE IS     315.36129 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.25890 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      24.94562 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.97562 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      14.89972 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.63594 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.44421 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.81998 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.56527 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.92722 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

TP13      1ST HIGHEST VALUE IS     266.62885 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.11959 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      26.77770 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      20.01501 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.71892 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.63873 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.51002 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.54733 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.32027 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.25943 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1

TP14      1ST HIGHEST VALUE IS     192.03018 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      32.89550 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      28.98795 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      19.91847 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
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          5TH HIGHEST VALUE IS      16.67630 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.77803 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.30130 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.64431 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.20346 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.96768 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 894
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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TP15      1ST HIGHEST VALUE IS     235.19853 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      30.31187 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      30.19728 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.76003 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      17.61776 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.21427 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.63656 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.46336 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.40753 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.81744 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1

TP16      1ST HIGHEST VALUE IS     242.10162 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      30.60774 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      29.25175 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.27038 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      18.02007 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.96150 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.35640 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.83961 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.51854 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.75682 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1

TP17      1ST HIGHEST VALUE IS     508.60677 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      30.09032 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      21.38262 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.03103 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      13.70998 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.69989 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.52845 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      13.06215 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.01311 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.38214 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

TP18      1ST HIGHEST VALUE IS     448.31416 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      31.01139 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      21.18974 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.39264 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      13.96642 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.44892 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      13.39903 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      13.23267 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.08429 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      10.01977 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 895
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
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NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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TP19      1ST HIGHEST VALUE IS    157.50958 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS     29.92116 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS     29.82068 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS     16.29573 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS     14.93503 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS     13.18451 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS     11.64958 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     11.31639 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS     11.27042 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      9.86609 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1

TP2       1ST HIGHEST VALUE IS    107.02593 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS     38.32985 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS     29.55436 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS     18.88604 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS     16.57895 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          6TH HIGHEST VALUE IS     15.09792 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS     10.47778 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     10.22609 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      9.37945 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      9.26458 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1

TP20      1ST HIGHEST VALUE IS    135.10205 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS     32.19750 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS     29.78690 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS     16.97837 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS     14.37565 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS     13.83113 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS     11.85234 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     11.53291 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS     10.51435 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      9.62752 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1

TP21      1ST HIGHEST VALUE IS    125.58558 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS     39.22847 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS     19.72236 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS     19.03808 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS     15.80270 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS     14.96242 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS     12.90397 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     12.23475 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS     10.25613 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      9.41343 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***       16:35:25

PAGE 896
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

TP22      1ST HIGHEST VALUE IS    100.10552 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS     41.95648 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS     33.41486 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS     23.30906 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS     17.20910 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS     17.08250 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS     15.35061 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      9.43224 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      9.38708 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
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         10TH HIGHEST VALUE IS       9.21936 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

TP23      1ST HIGHEST VALUE IS      99.52806 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      39.62563 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      35.34768 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      22.36098 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      18.01909 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      16.69501 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      14.89866 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       9.52309 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.34481 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.33398 AT (  508118.86,  3604347.54,
206.10,   714.70,    0.00)  GC  UCART1

TP3       1ST HIGHEST VALUE IS      53.07474 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      47.48907 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      35.59486 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      20.04896 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      18.48414 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.48456 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      11.49549 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.56354 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.01040 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.13147 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1

TP4       1ST HIGHEST VALUE IS      67.28089 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      50.23288 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      22.46598 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      21.60049 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      18.70135 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.23839 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.63041 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.51910 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.69057 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.12920 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1
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 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 897
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                    ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

TP5       1ST HIGHEST VALUE IS      68.68452 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      50.90295 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      22.00247 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      20.43302 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      18.79004 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.17891 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.91832 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.90734 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.72794 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.13444 AT (  508368.86,  3603347.54,
196.90,   714.70,    0.00)  GC  UCART1

TP6       1ST HIGHEST VALUE IS     116.01419 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      37.45867 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      24.85675 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      18.68775 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.29444 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.85874 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.27184 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      12.19059 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.57224 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.21897 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

TP7       1ST HIGHEST VALUE IS      71.75952 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
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          2ND HIGHEST VALUE IS      51.90812 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      34.43750 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      16.36381 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      15.18435 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.10908 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      10.50735 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      10.07945 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       9.89444 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.07218 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1

TP8       1ST HIGHEST VALUE IS     129.92205 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      32.56292 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      30.14828 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      17.06014 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          5TH HIGHEST VALUE IS      14.20309 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      13.93207 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      11.90293 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.53548 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      10.39773 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.53950 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1

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Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 898
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   3 YEARS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**


NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

TP9       1ST HIGHEST VALUE IS     240.82492 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      33.10966 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      18.50392 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          4TH HIGHEST VALUE IS      18.18070 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      16.22408 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      14.35720 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      12.92180 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      11.86027 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      11.53915 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       9.30059 AT (  508868.86,  3603847.54,
231.20,   714.70,    0.00)  GC  UCART1

ALL       1ST HIGHEST VALUE IS    8589.31773 AT (  508618.86,  3603847.54,
215.80,   714.70,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS    2928.34206 AT (  508368.86,  3603847.54,
202.50,   714.70,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS    1888.96410 AT (  508368.86,  3604097.54,
207.00,   714.70,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS    1551.02094 AT (  508618.86,  3603597.54,
231.90,   714.70,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS    1462.22611 AT (  508226.78,  3603955.63,
202.73,   714.66,    0.00)  DC
          6TH HIGHEST VALUE IS    1197.64647 AT (  508368.86,  3603597.54,
196.20,   714.70,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS     978.71304 AT (  508118.86,  3604097.54,
202.70,   714.70,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     872.25302 AT (  508618.86,  3603347.54,
205.10,   714.70,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS     725.03490 AT (  508618.86,  3604097.54,
211.50,   714.70,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS     692.50527 AT (  508118.86,  3603847.54,
195.40,   714.70,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

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Hills\Otay Hills.isc         ***        05/16/19
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***        16:35:25

PAGE 899
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                 *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF TAC      IN MICROGRAMS/M**3
**

                                                          DATE
NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)
RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
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AS1      HIGH   1ST HIGH VALUE IS    2288.04486  ON 17020717: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

AS2      HIGH   1ST HIGH VALUE IS    4356.45039  ON 15011320: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

CBP1     HIGH   1ST HIGH VALUE IS    1923.98109  ON 15122808: AT (  508368.86,
3604097.54,   207.00,   714.70,    0.00)  GC  UCART1

CBP2     HIGH   1ST HIGH VALUE IS    2019.79732  ON 17020508: AT (  508618.86,
3604097.54,   211.50,   714.70,    0.00)  GC  UCART1

CBP3     HIGH   1ST HIGH VALUE IS    1858.51195  ON 16120207: AT (  508368.86,
3604097.54,   207.00,   714.70,    0.00)  GC  UCART1

CBP4     HIGH   1ST HIGH VALUE IS    3277.28458  ON 16021622: AT (  508368.86,
3604097.54,   207.00,   714.70,    0.00)  GC  UCART1

CR1      HIGH   1ST HIGH VALUE IS    2104.94100  ON 17121808: AT (  508618.86,
3603597.54,   231.90,   714.70,    0.00)  GC  UCART1

CR2      HIGH   1ST HIGH VALUE IS    1913.23350  ON 17121808: AT (  508618.86,
3603597.54,   231.90,   714.70,    0.00)  GC  UCART1

CR3      HIGH   1ST HIGH VALUE IS    2486.36800  ON 17020508: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

CR4      HIGH   1ST HIGH VALUE IS    4469.90430  ON 17022805: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

CR5      HIGH   1ST HIGH VALUE IS    4677.69035  ON 16120224: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

CTB1     HIGH   1ST HIGH VALUE IS    3109.62315  ON 15022304: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

CTB2     HIGH   1ST HIGH VALUE IS    3426.51101  ON 17010518: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

DST1     HIGH   1ST HIGH VALUE IS   11840.97135  ON 15021008: AT (  508368.86,
3604097.54,   207.00,   714.70,    0.00)  GC  UCART1

HAUL     HIGH   1ST HIGH VALUE IS     531.95491  ON 17011708: AT (  506868.86,
3603347.54,   184.30,   184.30,    0.00)  GC  UCART1

HMA1     HIGH   1ST HIGH VALUE IS     136.11854  ON 16011523: AT (  508868.86,
3603597.54,   267.40,   714.70,    0.00)  GC  UCART1

HMA2     HIGH   1ST HIGH VALUE IS    2018.97481  ON 16121122: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

HMA3     HIGH   1ST HIGH VALUE IS    2129.44936  ON 17121308: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

HMA4     HIGH   1ST HIGH VALUE IS     131.20880  ON 17010220: AT (  508868.86,
3603597.54,   267.40,   714.70,    0.00)  GC  UCART1

HSI1     HIGH   1ST HIGH VALUE IS    5053.92701  ON 17122021: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

OFFRD    HIGH   1ST HIGH VALUE IS     498.56669  ON 16120908: AT (  508618.86,
3603597.54,   231.90,   714.70,    0.00)  GC  UCART1

PLO      HIGH   1ST HIGH VALUE IS    1580.10645  ON 15011608: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

RAP1     HIGH   1ST HIGH VALUE IS    1865.27433  ON 17032007: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

RMP      HIGH   1ST HIGH VALUE IS    1258.68446  ON 15032207: AT (  508368.86,
3603597.54,   196.20,   714.70,    0.00)  GC  UCART1

ROAD     HIGH   1ST HIGH VALUE IS     716.89302  ON 15121006: AT (  508368.86,
3604097.54,   207.00,   714.70,    0.00)  GC  UCART1

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Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 900
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                   *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                     ** CONC OF TAC      IN MICROGRAMS/M**3
**

                                                            DATE
NETWORK
GROUP ID                            AVERAGE CONC     (YYMMDDHH)
RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

SC1      HIGH   1ST HIGH VALUE IS    1996.30692  ON 17121808: AT (  508618.86,
3603597.54,   231.90,   714.70,    0.00)  GC  UCART1

SC2      HIGH   1ST HIGH VALUE IS    4975.84060  ON 17020717: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SC3      HIGH   1ST HIGH VALUE IS    4248.80944  ON 15121507: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SC4      HIGH   1ST HIGH VALUE IS    4337.64172  ON 17022520: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SC5      HIGH   1ST HIGH VALUE IS    3577.98877  ON 16121203: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SC6      HIGH   1ST HIGH VALUE IS    3682.11730  ON 15013018: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SC7      HIGH   1ST HIGH VALUE IS    3741.89251  ON 16090406: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SP1      HIGH   1ST HIGH VALUE IS    1350.41106  ON 16090705: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SP10     HIGH   1ST HIGH VALUE IS    3440.46667  ON 15012708: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

SP11     HIGH   1ST HIGH VALUE IS    4174.68810  ON 16123020: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SP15     HIGH   1ST HIGH VALUE IS    3494.58709  ON 16120708: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

SP16     HIGH   1ST HIGH VALUE IS    3466.51739  ON 15012220: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1
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SP17     HIGH   1ST HIGH VALUE IS    3108.04344  ON 17032207: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SP18     HIGH   1ST HIGH VALUE IS    2408.99916  ON 17013108: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

SP2      HIGH   1ST HIGH VALUE IS    1970.14008  ON 15101307: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SP6      HIGH   1ST HIGH VALUE IS    2796.99044  ON 15013107: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

SP7      HIGH   1ST HIGH VALUE IS    2708.56473  ON 17121208: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

SP8      HIGH   1ST HIGH VALUE IS    2763.70918  ON 17121208: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

SP9      HIGH   1ST HIGH VALUE IS    3399.48520  ON 15012708: AT (  508368.86,
3603847.54,   202.50,   714.70,    0.00)  GC  UCART1

TC5      HIGH   1ST HIGH VALUE IS    2114.23140  ON 17020717: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TC6      HIGH   1ST HIGH VALUE IS    5070.27413  ON 15022806: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TC7      HIGH   1ST HIGH VALUE IS    4962.31991  ON 15022806: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP10     HIGH   1ST HIGH VALUE IS    5086.63614  ON 15011320: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP11     HIGH   1ST HIGH VALUE IS    4928.43898  ON 17022601: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP12     HIGH   1ST HIGH VALUE IS    4385.47990  ON 15121507: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

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Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 901
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                          *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                 ** CONC OF TAC      IN MICROGRAMS/M**3
**

                                                     DATE
NETWORK
GROUP ID                         AVERAGE CONC     (YYMMDDHH)
RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

TP13     HIGH   1ST HIGH VALUE IS    3940.56379  ON 15022202: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP14     HIGH   1ST HIGH VALUE IS    3836.49736  ON 15121020: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP15     HIGH   1ST HIGH VALUE IS    3604.75966  ON 16121203: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP16     HIGH   1ST HIGH VALUE IS    3738.50855  ON 16122817: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP17     HIGH   1ST HIGH VALUE IS    5801.22349  ON 17022520: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP18     HIGH   1ST HIGH VALUE IS    5726.94960  ON 15022806: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP19     HIGH   1ST HIGH VALUE IS    3728.27798  ON 16090406: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP2      HIGH   1ST HIGH VALUE IS    1877.99127  ON 15021419: AT (  508618.86,
3603597.54,   231.90,   714.70,    0.00)  GC  UCART1

TP20     HIGH   1ST HIGH VALUE IS    3380.60564  ON 15101823: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP21     HIGH   1ST HIGH VALUE IS    3717.35585  ON 16010423: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP22     HIGH   1ST HIGH VALUE IS    2514.20327  ON 15121020: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP23     HIGH   1ST HIGH VALUE IS    2482.01115  ON 16120121: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP3      HIGH   1ST HIGH VALUE IS    2340.06946  ON 17020508: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP4      HIGH   1ST HIGH VALUE IS    3055.88245  ON 16120221: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP5      HIGH   1ST HIGH VALUE IS    3002.56421  ON 17120708: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP6      HIGH   1ST HIGH VALUE IS    3467.68867  ON 17040622: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP7      HIGH   1ST HIGH VALUE IS    2213.18752  ON 16122307: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP8      HIGH   1ST HIGH VALUE IS    3287.21851  ON 15101823: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

TP9      HIGH   1ST HIGH VALUE IS    4892.31925  ON 17020717: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1

ALL      HIGH   1ST HIGH VALUE IS   65267.60699  ON 16013022: AT (  508618.86,
3603847.54,   215.80,   714.70,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** AERMOD - VERSION  18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc         ***        05/16/19
 *** AERMET - VERSION  18081 ***   ***
***        16:35:25

PAGE 902
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

```
 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of           71 Warning Message(s)
 A Total of          650 Informational Message(s)

 A Total of        26304 Hours Were Processed

 A Total of          408 Calm Hours Identified

 A Total of          242 Missing Hours Identified (  0.92 Percent)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187    1382       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 OU W565    1463       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1464       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1465       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1466       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1467       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1468       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1469       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1470       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1471       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1472       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1473       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1474       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1475       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1476       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1477       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1478       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1479       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1480       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1481       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1482       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1483       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1484       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1485       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1486       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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 OU W565    1487       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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 OU W565    1488       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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 OU W565    1489       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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 OU W565    1490       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1491       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1492       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1493       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1494       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1495       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1496       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1497       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1498       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1499       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1500       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1501       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1502       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1503       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1504       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1505       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1506       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1507       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1508       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1509       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1510       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1511       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1512       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1513       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1514       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1515       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1516       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1517       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
```

```
 OU W565    1518       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1519       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1520       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1521       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1522       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1523       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1524       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1525       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1526       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1527       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1528       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1529       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1530       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1531       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
 OU W565    1532       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

Appendix E

OBODM Dispersion Modeling Data Files

Table 1

- Program Input Data -

- Program Models Selected -

- Concentration
- Time-average concentration
- Using final cloud rise ht. for all calc. distances.
- Flat terrain is assumed.
- Grid system origin is not added to source rectangular coordinates
- Instantaneous sources can use both stable and adiabatic plume rise.
- Grid receptor system is ---------- Polar

- Print Output Options -

- Print and save data using Detailed processing mode
- Print concentration output units ---------- Micrograms/Cubic Meter

- Receptor Grid System Geometry -

Grid system orientation angle (Degrees) ---------- .0
Receptor X coordinate units ---------- Meters
Y coordinate units ---------- Degrees
Z coordinate units ---------- Meters
X origin ---------- .00
Y origin ---------- .00
X Axis of the grid system (Meters)---------- .00, 100.00,
200.00, 300.00, 400.00, 500.00, 600.00, 700.00,
800.00, 900.00, 1000.00, 1100.00, 1200.00, 1300.00,
1400.00, 1500.00, 1600.00, 1700.00, 1800.00, 1900.00,
2000.00, 2100.00, 2200.00, 2300.00, 2400.00, 2500.00,
2600.00, 2700.00, 2800.00, 2900.00, 3000.00, 3100.00,
3200.00, 3300.00, 3400.00, 3500.00, 3600.00, 3700.00,
3800.00, 3900.00, 4000.00, 4100.00, 4200.00, 4300.00,
4400.00, 4500.00, 4600.00, 4700.00, 4800.00, 4900.00,
5000.00,
Y Axis of the grid system (Degrees)---------- .00, 10.00,
20.00, 30.00, 40.00, 50.00, 60.00, 70.00,
80.00, 90.00, 100.00, 110.00, 120.00, 130.00,
140.00, 150.00, 160.00, 170.00, 180.00, 190.00,
200.00, 210.00, 220.00, 230.00, 240.00, 250.00,
260.00, 270.00, 280.00, 290.00, 300.00, 310.00,
320.00, 330.00, 340.00, 350.00, 360.00,

- Source Geometry/Emission Strength -

Material or fuel/explosive ---------- ANFO
Pollutant/species ---------- CO
Total number of sources ---------- 1

Source Number	Ident	Reference System	Source Type	Emission Type
1	ANFO CO	Polar	Volume	Instantaneous

Table 1 (cont.)

- Program Input Data -

- Source Geometry/Emission Strength -

```
 Source     X            Y            Z          Release        Emission
 Number Coordinate   Coordinate   Elevation       Height        Strength
 ---------------------------------------------------------------------------
    1          .0  m        .0  d        .0  m      20.1~ m  1.00000E+04 lb
 ~ Means the value is defaulted for each hour of met. data.

 Source Rect. Expan. Dist. / Reference Dist.   /Air Entrain-/Dispersion Coeff.
 Number Crosswind  Vertical/Crosswind  Vertical/ment Coeff. /Crosswind
Vertical

---------------------------------------------------------------------------
    1     50.00 m   50.00 m     .00 m     .00 m       .640      1.000
1.000

 Source     Fuel Heat        Fuel Burn      Fuel Burn   Initial
 Number      Content           Rate           Time      Diameter
 ---------------------------------------------------------------------------
    1        880.0 ca/g   1814370.0 g/s         2.5  s    40.12~ m
 ~ Means the value is defaulted for each hour of met. data.
```

- Pollutant/Species Material Characteristics -

```
 Pollutant/species name ------------------------------------------------- CO
 Pollutant/species is ----------------------------------------      Gaseous
 Particle material half-life ---------------------------------------  infinite
 Molecular weight (g/g-mol) ----------------------------------------        28.0
 Density of species (  g/m**3) -------------------------------------         1.0
 Ratio of mass of pollutant/species (lb) ---------------------------        67.0
 per mass of fuel or explosive (lb) --------------------------------       2000.0
```

- Meteorological Data -
([#-#] min-max limits)

```
 Year [1900-2099]------------------------------------------------------- 2008
 Month [ 1-12]----------------------------------------------------------  5
 Day [ 1-31]------------------------------------------------------------ 11
 Hour (DST) [00-23]----------------------------------------------------- 1100
 Minute ----------------------------------------------------------------- 44
 Julian day [  1-  1]--------------------------------------------------- 132
 Surface pressure (  mb) [ 600.0-1100.0]-------------------------     1000.00
 Cloud cover (8ths) [0-8]----------------------------------------         .00
 Cloud ceiling ( m) [     .0-20000.0]---------------------------     9999.00
 Net radiation index [-2- 4]-------------------------------------------   0.
 Pasquill stability category [A-F]-------------------------------------- D
```


Table 1 (cont.)

- Program Input Data -

- Meteorological Data -
([#-#] min-max limits)

```
 Wind speed reference height (m) ------------------------------       10.00
 Surface roughness length (cm) [   .00-100.00]------------------        .000
 Vertical grad. of pot. temp. (  C/m) [-5.000- 5.000]---------           .0
 Reference wind speed (  m/s) [  1.0- 50.0]--------------------------  5.000
 Minimum (at 2m) wind speed (m/s) ----------------------------------  4.257
 Air temperature ( C) [-60.0- 60.0]------------------------------   20.000
```

```
 Standard dev. of wind direction angle ( d) [ 1.0000-80.0000]------   8.0000
 Standard dev. wind elevation angle ( d) [ 1.0000-50.0000]---------   4.8000
 Longitudinal turbulence intensity ( d) [ 1.0000-106.4000]---------  10.6400
 Measurement time for std. dev. wind dir. angle ( s) [ 2.5-3600.0]-   600.00
 Air humidity (%) (  .0-100.0)-------------------------------------  50.0
 Surface mixing layer height ( m) [ 1.0-20000.0]------------------    300.00
 Wind direction (From) (deg) [    .0- 360.0]------------------------   270.0
 Wind-direction shear (  d/m) [ -45.0-  45.0]------------------------     .00
 Wind-speed power law exponent [ .000-5.000]-----------------------       .1
 Wind-speed shear (  m/s) [   .00- 20.00]--------------------------- Compute

                         - Other Required Data -

 Averaging time ( s) (time-average con.) -------------------------   3600.00

                       - Input/Output Files Used -

 Input save data file name ------------------------------------- Otay_CO.INP
 Output save data file name ------------------------------------ OtayBCO.INP
 Print solution output file name ------------------------------- OtayBCO.OUT
 Sigma plot output solution file ------------------------------------ O_BL_CO
```


Table 2

- Maximum Cloud Plume Rise -

Source Number	Name	Release Height	Cloud Rise Height	Total Cloud Height	Distance
1	ANFO CO	20.1 m	229.3 m	249.4 m	920.7 m

Table 3
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	.000	100.000	200.000	300.000
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000

180.000	.000000	49.3042	4.07973	.641030E-01
170.000	.000000	58.9601	7.49047	.278957
160.000	.000000	72.3702	14.6610	1.24097
150.000	.000000	89.8628	28.9722	5.10553
140.000	.000000	111.204	55.1952	18.1277
130.000	.000000	135.221	97.7068	53.1015
120.000	.000000	159.579	156.296	124.823
110.000	.000000	180.949	221.468	231.702
100.000	.000000	195.703	274.337	336.722
90.000	.000000	200.984	294.867	381.553
80.000	.000000	195.703	274.337	336.722
70.000	.000000	180.949	221.468	231.702
60.000	.000000	159.579	156.295	124.823
50.000	.000000	135.221	97.7067	53.1014
40.000	.000000	111.204	55.1952	18.1277
30.000	.000000	89.8627	28.9721	5.10552
20.000	.000000	72.3702	14.6610	1.24097
10.000	.000000	58.9601	7.49045	.278956
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

400.000 500.000 600.000 700.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000

Table 3 (cont.)

CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

400.000 500.000 600.000 700.000

Y Axis (Degrees) - Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.191260E-03	.108360E-06	.116577E-10	.238153E-15
170.000	.357767E-02	.181947E-04	.415225E-07	.474026E-10
160.000	.543608E-01	.145535E-02	.271157E-04	.389335E-06
150.000	.604296	.555000E-01	.438015E-02	.319487E-03
140.000	4.67367	1.05580	.224535	.471273E-01
130.000	24.6959	10.6255	4.43189	1.83612
120.000	89.0653	59.8734	39.1045	25.2918
110.000	220.675	198.368	172.717	147.349

100.000	378.732	401.458	409.907	406.805
90.000	453.090	506.618	544.367	566.859
80.000	378.731	401.458	409.907	406.805
70.000	220.675	198.368	172.716	147.349
60.000	89.0651	59.8732	39.1043	25.2917
50.000	24.6958	10.6255	4.43187	1.83611
40.000	4.67365	1.05579	.224533	.471268E-01
30.000	.604293	.554995E-01	.438013E-02	.319484E-03
20.000	.543607E-01	.145534E-02	.271155E-04	.389330E-06
10.000	.357764E-02	.181945E-04	.415220E-07	.474014E-10
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.297849E-13	.112055E-16	.521491E-19	.552713E-19
160.000	.466834E-08	.498112E-10	.497447E-12	.484146E-14
150.000	.227001E-04	.163236E-05	.118813E-06	.904291E-08
140.000	.992591E-02	.215199E-02	.485839E-03	.115001E-03
130.000	.770109	.330318	.145725	.663202E-01
120.000	16.3735	10.6805	7.04704	4.71312
110.000	124.246	104.129	87.0560	72.7817
100.000	395.509	378.769	358.715	336.927
90.000	576.457	575.661	566.820	552.004
80.000	395.508	378.768	358.714	336.927
70.000	124.246	104.128	87.0556	72.7813
60.000	16.3734	10.6804	7.04700	4.71309
50.000	.770103	.330315	.145724	.663195E-01
40.000	.992580E-02	.215196E-02	.485831E-03	.114999E-03
30.000	.226998E-04	.163233E-05	.118810E-06	.904267E-08

20.000	.466825E-08	.498098E-10	.497431E-12	.484129E-14
10.000	.297839E-13	.112051E-16	.521490E-19	.552712E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	-	Concentration	-	
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	-	Concentration	-	
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.583546E-19	.613881E-19	.643625E-19	.672688E-19
160.000	.474633E-16	.482452E-18	.957596E-19	.988432E-19
150.000	.728169E-09	.625150E-10	.574954E-11	.567985E-12
140.000	.286467E-04	.752149E-05	.208189E-05	.607026E-06
130.000	.311737E-01	.151357E-01	.758626E-02	.392123E-02
120.000	3.19854	2.20341	1.54068	1.09311
110.000	60.9455	51.1711	43.1101	36.4588
100.000	314.539	292.336	270.839	250.378
90.000	532.956	511.094	487.542	463.168
80.000	314.539	292.335	270.838	250.377
70.000	60.9452	51.1708	43.1098	36.4586
60.000	3.19852	2.20340	1.54067	1.09310
50.000	.311733E-01	.151355E-01	.758616E-02	.392117E-02
40.000	.286463E-04	.752134E-05	.208185E-05	.607012E-06
30.000	.728156E-09	.625131E-10	.574936E-11	.567959E-12
20.000	.474615E-16	.482426E-18	.957596E-19	.988431E-19
10.000	.583545E-19	.613881E-19	.643624E-19	.672688E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	-	Concentration	-	

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 1600.000	1700.000	1800.000	1900.000
	- Concentration -			
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.700996E-19	.728480E-19	.755081E-19	.780746E-19
160.000	.101545E-18	.103878E-18	.105857E-18	.107498E-18
150.000	.603355E-13	.689200E-14	.845854E-15	.111387E-15
140.000	.186192E-06	.599731E-07	.202465E-07	.714885E-08
130.000	.208755E-02	.114307E-02	.642853E-03	.370793E-03
120.000	.786574	.573718	.423912	.317130
110.000	30.9613	26.4058	22.6215	19.4643
100.000	231.140	213.238	196.668	181.419
90.000	438.629	414.454	390.929	368.320
80.000	231.140	213.237	196.667	181.418
70.000	30.9611	26.4057	22.6214	19.4642
60.000	.786567	.573712	.423908	.317127
50.000	.208752E-02	.114305E-02	.642843E-03	.370786E-03
40.000	.186188E-06	.599720E-07	.202459E-07	.714866E-08
30.000	.603329E-13	.689166E-14	.845815E-15	.111381E-15
20.000	.101545E-18	.103878E-18	.105857E-18	.107498E-18
10.000	.700996E-19	.728480E-19	.755080E-19	.780745E-19
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 2000.000	2100.000	2200.000	2300.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 2000.000	2100.000	2200.000	2300.000
	- Concentration -			
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.805429E-19	.829088E-19	.851681E-19	.873165E-19
160.000	.108820E-18	.109842E-18	.110583E-18	.111063E-18
150.000	.157103E-16	.236842E-17	.380819E-18	.104714E-18
140.000	.263452E-08	.101118E-08	.403405E-09	.166943E-09
130.000	.219042E-03	.132349E-03	.816949E-04	.514485E-04
120.000	.240036	.183719	.142112	.111038
110.000	16.8218	14.6015	12.7291	11.1438
100.000	167.441	154.664	143.010	132.395
90.000	346.781	326.403	307.228	289.262
80.000	167.440	154.664	143.010	132.395
70.000	16.8216	14.6015	12.7290	11.1437
60.000	.240033	.183717	.142110	.111036
50.000	.219038E-03	.132346E-03	.816932E-04	.514475E-04
40.000	.263444E-08	.101116E-08	.403393E-09	.166938E-09
30.000	.157095E-16	.236832E-17	.380798E-18	.104714E-18
20.000	.108820E-18	.109842E-18	.110583E-18	.111063E-18
10.000	.805427E-19	.829086E-19	.851680E-19	.873164E-19
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 2400.000	2500.000	2600.000	2700.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	2400.000	2500.000	2600.000	2700.000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218230E-19
170.000	.893472E-19	.912466E-19	.930140E-19	.947868E-19
160.000	.111302E-18	.111318E-18	.111129E-18	.110754E-18
150.000	.102794E-18	.100739E-18	.985773E-19	.963352E-19
140.000	.715314E-10	.316758E-10	.144731E-10	.681136E-11
130.000	.330207E-04	.215763E-04	.143389E-04	.968277E-05
120.000	.875906E-01	.697245E-01	.559832E-01	.453203E-01
110.000	9.79641	8.64688	7.66239	6.81606
100.000	122.735	113.947	105.952	98.6772
90.000	272.482	256.849	242.312	228.809
80.000	122.735	113.946	105.952	98.6769
70.000	9.79634	8.64682	7.66233	6.81602
60.000	.875896E-01	.697236E-01	.559826E-01	.453197E-01
50.000	.330200E-04	.215758E-04	.143386E-04	.968253E-05
40.000	.715284E-10	.316746E-10	.144726E-10	.681115E-11
30.000	.102794E-18	.100739E-18	.985773E-19	.963352E-19
20.000	.111302E-18	.111318E-18	.111129E-18	.110754E-18
10.000	.893472E-19	.912465E-19	.930140E-19	.947867E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	2800.000	2900.000	3000.000	3100.000
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	2800.000	2900.000	3000.000	3100.000
290.000	.000000	.000000	.000000	.000000

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218230E-19	.218230E-19
170.000	.964584E-19	.980298E-19	.995020E-19	.100876E-18
160.000	.110210E-18	.109512E-18	.108677E-18	.107718E-18
150.000	.940346E-19	.916951E-19	.893335E-19	.869645E-19
140.000	.329693E-11	.163895E-11	.835607E-12	.436393E-12
130.000	.663824E-05	.461670E-05	.325466E-05	.232416E-05
120.000	.369757E-01	.303923E-01	.251581E-01	.209660E-01
110.000	6.08580	5.45336	4.90365	4.42414
100.000	92.0529	86.0159	80.5081	75.4770
90.000	216.276	204.648	193.858	183.843
80.000	92.0526	86.0155	80.5078	75.4768
70.000	6.08575	5.45331	4.90361	4.42411
60.000	.369751E-01	.303918E-01	.251577E-01	.209657E-01
50.000	.663813E-05	.461661E-05	.325458E-05	.232410E-05
40.000	.329682E-11	.163887E-11	.835572E-12	.436371E-12
30.000	.940347E-19	.916951E-19	.893336E-19	.869646E-19
20.000	.110210E-18	.109512E-18	.108677E-18	.107718E-18
10.000	.964583E-19	.980297E-19	.995019E-19	.100876E-18
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

3200.000 3300.000 3400.000 3500.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

3200.000 3300.000 3400.000 3500.000

Y Axis (Degrees) - Concentration -

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000

200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218230E-19	.218230E-19
170.000	.102155E-18	.103339E-18	.104431E-18	.105432E-18
160.000	.106650E-18	.105485E-18	.104235E-18	.102910E-18
150.000	.846006E-19	.822589E-19	.799377E-19	.776495E-19
140.000	.233170E-12	.127318E-12	.709716E-13	.403479E-13
130.000	.168009E-05	.122866E-05	.908472E-06	.678802E-06
120.000	.175848E-01	.148390E-01	.125950E-01	.107496E-01
110.000	4.00442	3.63575	3.31083	3.02929
100.000	70.8749	66.8018	62.8901	59.3054
90.000	174.543	166.203	158.072	150.523
80.000	70.8747	66.8015	62.8898	59.3052
70.000	4.00438	3.63572	3.31081	3.02927
60.000	.175845E-01	.148388E-01	.125948E-01	.107494E-01
50.000	.168004E-05	.122862E-05	.908455E-06	.678784E-06
40.000	.233159E-12	.127314E-12	.709692E-13	.403459E-13
30.000	.846006E-19	.822589E-19	.799378E-19	.776496E-19
20.000	.106650E-18	.105485E-18	.104235E-18	.102911E-18
10.000	.102155E-18	.103339E-18	.104430E-18	.105432E-18
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

3600.000 3700.000 3800.000 3900.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

3600.000 3700.000 3800.000 3900.000

Y Axis (Degrees) - Concentration -

270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218230E-19	.218230E-19
170.000	.106345E-18	.107173E-18	.107918E-18	.108581E-18
160.000	.101522E-18	.100080E-18	.985915E-19	.970655E-19
150.000	.754005E-19	.731958E-19	.710397E-19	.689353E-19
140.000	.233718E-13	.137821E-13	.826671E-14	.503977E-14
130.000	.512268E-06	.390272E-06	.300024E-06	.232636E-06

120.000	.922301E-02	.795304E-02	.690379E-02	.600634E-02
110.000	2.77268	2.54474	2.34160	2.15997
100.000	56.0129	52.9822	50.1866	47.6027
90.000	143.502	136.961	130.857	125.153
80.000	56.0127	52.9820	50.1864	47.6025
70.000	2.77265	2.54472	2.34158	2.15995
60.000	.922286E-02	.795292E-02	.690368E-02	.600624E-02
50.000	.512255E-06	.390262E-06	.300016E-06	.232628E-06
40.000	.233706E-13	.137815E-13	.826640E-14	.503952E-14
30.000	.754005E-19	.731958E-19	.710397E-19	.689354E-19
20.000	.101522E-18	.100080E-18	.985916E-19	.970655E-19
10.000	.106345E-18	.107173E-18	.107917E-18	.108581E-18
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	4000.000	4100.000	4200.000	4300.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	4000.000	4100.000	4200.000	4300.000
	- Concentration -			
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218230E-19	.218230E-19
170.000	.109166E-18	.109676E-18	.110112E-18	.110477E-18
160.000	.955089E-19	.939285E-19	.923303E-19	.907198E-19
150.000	.668853E-19	.648915E-19	.629550E-19	.610766E-19
140.000	.312050E-14	.196100E-14	.124990E-14	.807542E-15
130.000	.181867E-06	.143293E-06	.114013E-06	.911022E-07
120.000	.524886E-02	.460629E-02	.405865E-02	.358978E-02
110.000	1.99709	1.85058	1.71843	1.59893
100.000	45.2100	42.9904	40.9277	39.0078
90.000	119.813	114.808	110.111	105.696
80.000	45.2099	42.9902	40.9276	39.0076
70.000	1.99707	1.85056	1.71842	1.59892
60.000	.524878E-02	.460622E-02	.405858E-02	.358971E-02
50.000	.181862E-06	.143289E-06	.114010E-06	.910993E-07

40.000	.312036E-14	.196090E-14	.124985E-14	.807512E-15
30.000	.668854E-19	.648915E-19	.629550E-19	.610766E-19
20.000	.955090E-19	.939285E-19	.923304E-19	.907199E-19
10.000	.109166E-18	.109676E-18	.110112E-18	.110477E-18
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218231E-19	.218231E-19
170.000	.110774E-18	.111006E-18	.111175E-18	.111283E-18
160.000	.891020E-19	.874813E-19	.858619E-19	.842473E-19
150.000	.592566E-19	.574950E-19	.557913E-19	.541449E-19
140.000	.528547E-15	.350264E-15	.234891E-15	.159325E-15
130.000	.732988E-07	.593633E-07	.483795E-07	.396643E-07
120.000	.318660E-02	.283850E-02	.253677E-02	.227425E-02
110.000	1.49059	1.39212	1.30243	1.22054
100.000	37.2178	35.5465	33.9837	32.5203
90.000	101.541	97.6265	93.9340	90.4472
80.000	37.2176	35.5463	33.9835	32.5201
70.000	1.49057	1.39211	1.30242	1.22053
60.000	.318655E-02	.283845E-02	.253673E-02	.227421E-02
50.000	.732966E-07	.593616E-07	.483782E-07	.396631E-07
40.000	.528523E-15	.350246E-15	.234878E-15	.159315E-15
30.000	.592566E-19	.574950E-19	.557913E-19	.541449E-19
20.000	.891021E-19	.874814E-19	.858620E-19	.842474E-19
10.000	.110774E-18	.111006E-18	.111175E-18	.111283E-18
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4800.000 4900.000 5000.000

```
Y Axis  (Degrees)            -       Concentration        -
              ----------------------------------------------------

      360.000   .000000      .000000      .000000
      350.000   .000000      .000000      .000000
      340.000   .000000      .000000      .000000
      330.000   .000000      .000000      .000000
      320.000   .000000      .000000      .000000
      310.000   .000000      .000000      .000000
      300.000   .000000      .000000      .000000
      290.000   .000000      .000000      .000000
      280.000   .000000      .000000      .000000
      270.000   .000000      .000000      .000000
      260.000   .000000      .000000      .000000
      250.000   .000000      .000000      .000000
♀OBODM 1.3                    ANFO CO                      11/13/2012 pg   17
```

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00

```
                            - X Axis  (Meters)  -
                    4800.000     4900.000     5000.000
Y Axis  (Degrees)            -       Concentration        -
              ----------------------------------------------------

      240.000   .000000      .000000      .000000
      230.000   .000000      .000000      .000000
      220.000   .000000      .000000      .000000
      210.000   .000000      .000000      .000000
      200.000   .000000      .000000      .000000
      190.000   .000000      .000000      .000000
      180.000   .218231E-19  .218231E-19  .218231E-19
      170.000   .111333E-18  .111327E-18  .111268E-18
      160.000   .826470E-19  .810529E-19  .794726E-19
      150.000   .525549E-19  .510203E-19  .495398E-19
      140.000   .109255E-15  .757087E-16  .531193E-16
      130.000   .327053E-07  .271149E-07  .225976E-07
      120.000   .204502E-02  .184417E-02  .166762E-02
      110.000   1.14563      1.07695      1.01387
      100.000   31.1482      29.8600      28.6491
       90.000   87.1510      84.0318      81.0771
       80.000   31.1481      29.8599      28.6490
       70.000   1.14562      1.07694      1.01386
       60.000   .204499E-02  .184415E-02  .166759E-02
       50.000   .327043E-07  .271140E-07  .225969E-07
       40.000   .109248E-15  .757047E-16  .531167E-16
       30.000   .525549E-19  .510203E-19  .495398E-19
       20.000   .826470E-19  .810529E-19  .794726E-19
       10.000   .111333E-18  .111327E-18  .111268E-18
         .000   .000000      .000000      .000000
♀OBODM 1.3                    ANFO CO                      11/13/2012 pg   18
```

Table 4
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

```
                            - X Axis  (Meters)  -
                       .000      100.000      200.000      300.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------
```

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.000000	.398696	.329906E-01	.518366E-03
170.000	.000000	.492088	.644681E-01	.247383E-02
160.000	.000000	.622293	.133629	.119559E-01
150.000	.000000	.794079	.277975	.529006E-01
140.000	.000000	1.00664	.553685	.199885
130.000	.000000	1.24928	1.01722	.616376
120.000	.000000	1.49854	1.67560	1.50838
110.000	.000000	1.71950	2.42508	2.88212
100.000	.000000	1.87315	3.04267	4.26216
90.000	.000000	1.92835	3.28439	4.85786
80.000	.000000	1.87315	3.04267	4.26216
70.000	.000000	1.71950	2.42508	2.88212
60.000	.000000	1.49854	1.67560	1.50838
50.000	.000000	1.24928	1.01722	.616375
40.000	.000000	1.00664	.553684	.199885
30.000	.000000	.794078	.277974	.529004E-01
20.000	.000000	.622293	.133629	.119558E-01
10.000	.000000	.492088	.644680E-01	.247383E-02
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.154661E-05	.876245E-09	.942695E-13	.192581E-17
170.000	.326662E-04	.170921E-06	.401043E-09	.470422E-12
160.000	.552206E-03	.155527E-04	.304244E-06	.457840E-08
150.000	.673097E-02	.661990E-03	.557673E-04	.433076E-05
140.000	.562765E-01	.138114E-01	.317933E-02	.721786E-03
130.000	.317004	.149970	.685359E-01	.305549E-01
120.000	1.20197	.898130	.640754	.448089
110.000	3.08768	3.09875	2.94740	2.72740
100.000	5.41668	6.41035	7.16561	7.72746
90.000	6.52810	8.14862	9.59240	10.8605
80.000	5.41668	6.41035	7.16560	7.72745
70.000	3.08768	3.09874	2.94740	2.72739
60.000	1.20197	.898127	.640752	.448087
50.000	.317003	.149969	.685355E-01	.305548E-01
40.000	.562763E-01	.138113E-01	.317931E-02	.721779E-03
30.000	.673094E-02	.661984E-03	.557669E-04	.433071E-05
20.000	.552205E-03	.155526E-04	.304241E-06	.457834E-08
10.000	.326660E-04	.170919E-06	.401038E-09	.470410E-12
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

800.000 900.000 1000.000 1100.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

800.000 900.000 1000.000 1100.000

Y Axis (Degrees) - Time-Average Concentration -

340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000

210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176470E-21
170.000	.303527E-15	.117193E-18	.559435E-21	.607876E-21
160.000	.574461E-10	.640530E-12	.667689E-14	.677700E-16
150.000	.327062E-06	.250019E-07	.191103E-08	.152397E-09
140.000	.161822E-03	.372096E-04	.888069E-05	.221581E-05
130.000	.137222E-01	.627493E-02	.294004E-02	.141621E-02
120.000	.311892	.217680	.153020	.108625
110.000	2.47937	2.22851	1.98908	1.76826
100.000	8.11217	8.34299	8.44522	8.44333
90.000	11.9314	12.8010	13.4772	13.9752
80.000	8.11215	8.34298	8.44521	8.44331
70.000	2.47936	2.22850	1.98907	1.76825
60.000	.311890	.217679	.153019	.108625
50.000	.137221E-01	.627488E-02	.294001E-02	.141620E-02
40.000	.161820E-03	.372091E-04	.888056E-05	.221577E-05
30.000	.327057E-06	.250014E-07	.191098E-08	.152393E-09
20.000	.574449E-10	.640511E-12	.667668E-14	.677676E-16
10.000	.303517E-15	.117188E-18	.559434E-21	.607874E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

1200.000 1300.000 1400.000 1500.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

1200.000 1300.000 1400.000 1500.000

Y Axis (Degrees) - Time-Average Concentration -

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176470E-21
170.000	.657649E-21	.708616E-21	.760645E-21	.813604E-21
160.000	.692554E-18	.734397E-20	.150909E-20	.160962E-20
150.000	.128312E-10	.114965E-11	.110156E-12	.113190E-13
140.000	.580291E-06	.159802E-06	.462922E-07	.140984E-07

130.000	.702454E-03	.358916E-03	.188845E-03	.102239E-03
120.000	.779842E-01	.566611E-01	.416746E-01	.310267E-01
110.000	1.56891	1.39138	1.23462	1.09693
100.000	8.35949	8.21300	8.02012	7.79426
90.000	14.3141	14.5144	14.5970	14.5811
80.000	8.35948	8.21298	8.02010	7.79424
70.000	1.56890	1.39137	1.23461	1.09693
60.000	.779837E-01	.566607E-01	.416742E-01	.310264E-01
50.000	.702445E-03	.358911E-03	.188843E-03	.102237E-03
40.000	.580282E-06	.159799E-06	.462911E-07	.140981E-07
30.000	.128310E-10	.114962E-11	.110152E-12	.113185E-13
20.000	.692527E-18	.734357E-20	.150909E-20	.160961E-20
10.000	.657647E-21	.708615E-21	.760644E-21	.813603E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	1600.000	1700.000	1800.000	1900.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	1600.000	1700.000	1800.000	1900.000
	- Time-Average Concentration -			
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176470E-21
170.000	.867367E-21	.921813E-21	.976828E-21	.103231E-20
160.000	.170698E-20	.180081E-20	.189077E-20	.197662E-20
150.000	.124881E-14	.147953E-15	.188093E-16	.256267E-17
140.000	.450868E-08	.151165E-08	.530369E-09	.194348E-09
130.000	.568928E-04	.325019E-04	.190377E-04	.114186E-04
120.000	.233759E-01	.178159E-01	.137298E-01	.106947E-01
110.000	.976376	.870969	.778921	.698411
100.000	7.54630	7.28557	7.01804	6.74938
90.000	14.4848	14.3254	14.1151	13.8667
80.000	7.54628	7.28555	7.01802	6.74936
70.000	.976371	.870963	.778916	.698406
60.000	.233757E-01	.178157E-01	.137297E-01	.106946E-01

50.000	.568919E-04	.325014E-04	.190374E-04	.114184E-04
40.000	.450859E-08	.151162E-08	.530354E-09	.194343E-09
30.000	.124876E-14	.147946E-15	.188085E-16	.256255E-17
20.000	.170698E-20	.180080E-20	.189077E-20	.197662E-20
10.000	.867365E-21	.921811E-21	.976826E-21	.103230E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -

310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176470E-21
170.000	.108815E-20	.114428E-20	.120062E-20	.125712E-20
160.000	.205817E-20	.213529E-20	.220790E-20	.227594E-20
150.000	.373543E-18	.581378E-19	.964129E-20	.273174E-20
140.000	.742314E-10	.294933E-10	.121658E-10	.520004E-11
130.000	.700407E-05	.438827E-05	.280523E-05	.182740E-05
120.000	.841535E-02	.668629E-02	.536180E-02	.433769E-02
110.000	.627965	.566242	.512075	.464450
100.000	6.48363	6.22379	5.97204	5.72985
90.000	13.5905	13.2953	12.9880	12.6746
80.000	6.48361	6.22377	5.97202	5.72983
70.000	.627961	.566238	.512071	.464446
60.000	.841525E-02	.668620E-02	.536173E-02	.433763E-02
50.000	.700394E-05	.438818E-05	.280517E-05	.182736E-05
40.000	.742291E-10	.294925E-10	.121654E-10	.519988E-11
30.000	.373523E-18	.581353E-19	.964074E-20	.273174E-20
20.000	.205817E-20	.213529E-20	.220790E-20	.227594E-20
10.000	.108815E-20	.114428E-20	.120062E-20	.125712E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

	2400.000	2500.000	2600.000	2700.000
	- X Axis (Meters) -			
Y Axis (Degrees)	- Time-Average Concentration -			
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176471E-21
170.000	.131378E-20	.137063E-20	.142676E-20	.147923E-20
160.000	.233941E-20	.239835E-20	.245280E-20	.250285E-20
150.000	.276082E-20	.278324E-20	.279947E-20	.281003E-20
140.000	.229897E-11	.104943E-11	.493841E-12	.239163E-12
130.000	.121187E-05	.817339E-06	.560115E-06	.389674E-06
120.000	.353870E-02	.291003E-02	.241130E-02	.201256E-02
110.000	.422492	.385448	.352669	.323596
100.000	5.49819	5.27759	5.06826	4.87016
90.000	12.3597	12.0468	11.7387	11.4375
80.000	5.49817	5.27757	5.06824	4.87014
70.000	.422489	.385446	.352667	.323593
60.000	.353866E-02	.290999E-02	.241127E-02	.201253E-02
50.000	.121184E-05	.817322E-06	.560103E-06	.389665E-06
40.000	.229888E-11	.104939E-11	.493825E-12	.239155E-12
30.000	.276082E-20	.278324E-20	.279947E-20	.281003E-20
20.000	.233941E-20	.239835E-20	.245280E-20	.250284E-20
10.000	.131377E-20	.137063E-20	.142676E-20	.147923E-20
.000	.000000	.000000	.000000	.000000

	2800.000	2900.000	3000.000	3100.000
	- X Axis (Meters) -			
Y Axis (Degrees)	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 2800.000	2900.000	3000.000	3100.000
	- Time-Average Concentration -			
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176471E-21	.176471E-21
170.000	.153105E-20	.158214E-20	.163244E-20	.168191E-20
160.000	.254859E-20	.259014E-20	.262763E-20	.266119E-20
150.000	.281539E-20	.281601E-20	.281234E-20	.280479E-20
140.000	.119031E-12	.607960E-13	.318247E-13	.170530E-13
130.000	.274993E-06	.196704E-06	.142516E-06	.104518E-06
120.000	.169139E-02	.143084E-02	.121803E-02	.104308E-02
110.000	.297748	.274710	.254127	.235691
100.000	4.68306	4.50661	4.34036	4.18379
90.000	11.1447	10.8611	10.5876	10.3242
80.000	4.68305	4.50660	4.34034	4.18378
70.000	.297745	.274708	.254125	.235689
60.000	.169136E-02	.143082E-02	.121801E-02	.104306E-02
50.000	.274988E-06	.196700E-06	.142513E-06	.104515E-06
40.000	.119027E-12	.607932E-13	.318234E-13	.170520E-13
30.000	.281539E-20	.281601E-20	.281234E-20	.280479E-20
20.000	.254859E-20	.259013E-20	.262762E-20	.266119E-20
10.000	.153104E-20	.158213E-20	.163244E-20	.168191E-20
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 3200.000	3300.000	3400.000	3500.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000

Table 4 (cont.)

CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 3200.000	3300.000	3400.000	3500.000
	- Time-Average Concentration -			
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176471E-21	.176471E-21
170.000	.173049E-20	.177812E-20	.182479E-20	.187043E-20
160.000	.269099E-20	.271717E-20	.273989E-20	.275931E-20
150.000	.279375E-20	.277983E-20	.276301E-20	.274378E-20
140.000	.934273E-14	.522764E-14	.298442E-14	.173667E-14
130.000	.775387E-07	.581563E-07	.440744E-07	.337341E-07
120.000	.898349E-03	.777902E-03	.677089E-03	.592245E-03
110.000	.219135	.204231	.190780	.178948
100.000	4.03637	3.90590	3.77273	3.64780
90.000	10.0712	9.84645	9.60858	9.38193
80.000	4.03636	3.90588	3.77272	3.64779
70.000	.219133	.204229	.190778	.178947
60.000	.898334E-03	.777890E-03	.677079E-03	.592236E-03
50.000	.775365E-07	.581547E-07	.440736E-07	.337332E-07
40.000	.934227E-14	.522746E-14	.298432E-14	.173658E-14
30.000	.279375E-20	.277983E-20	.276302E-20	.274378E-20
20.000	.269099E-20	.271717E-20	.273989E-20	.275931E-20
10.000	.173048E-20	.177812E-20	.182478E-20	.187043E-20
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 3600.000	3700.000	3800.000	3900.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000

Table 4 (cont.)

CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -
3600.000 3700.000 3800.000 3900.000

```
Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      270.000   .000000      .000000      .000000      .000000
      260.000   .000000      .000000      .000000      .000000
      250.000   .000000      .000000      .000000      .000000
      240.000   .000000      .000000      .000000      .000000
      230.000   .000000      .000000      .000000      .000000
      220.000   .000000      .000000      .000000      .000000
      210.000   .000000      .000000      .000000      .000000
      200.000   .000000      .000000      .000000      .000000
      190.000   .000000      .000000      .000000      .000000
      180.000   .176471E-21  .176471E-21  .176471E-21  .176471E-21
      170.000   .191503E-20  .195855E-20  .200098E-20  .204228E-20
      160.000   .277559E-20  .278890E-20  .279939E-20  .280722E-20
      150.000   .272244E-20  .269927E-20  .267453E-20  .264846E-20
      140.000   .102915E-14  .620541E-15  .380406E-15  .236910E-15
      130.000   .260633E-07  .203175E-07  .159738E-07  .126608E-07
      120.000   .520462E-03  .459422E-03  .408034E-03  .363018E-03
      110.000   .167809      .157703      .148509      .140121
      100.000   3.53039      3.41987      3.31568      3.21730
       90.000   9.16573      8.95926      8.76190      8.57304
       80.000   3.53038      3.41986      3.31566      3.21729
       70.000   .167807      .157702      .148507      .140120
       60.000   .520453E-03  .459415E-03  .408028E-03  .363012E-03
       50.000   .260626E-07  .203170E-07  .159733E-07  .126604E-07
       40.000   .102909E-14  .620513E-15  .380392E-15  .236898E-15
       30.000   .272244E-20  .269927E-20  .267453E-20  .264846E-20
       20.000   .277559E-20  .278890E-20  .279939E-20  .280722E-20
       10.000   .191503E-20  .195855E-20  .200097E-20  .204228E-20
         .000   .000000      .000000      .000000      .000000

                             - X Axis  (Meters)  -
                 4000.000     4100.000     4200.000     4300.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      360.000   .000000      .000000      .000000      .000000
      350.000   .000000      .000000      .000000      .000000
      340.000   .000000      .000000      .000000      .000000
      330.000   .000000      .000000      .000000      .000000
      320.000   .000000      .000000      .000000      .000000
      310.000   .000000      .000000      .000000      .000000
      300.000   .000000      .000000      .000000      .000000
      290.000   .000000      .000000      .000000      .000000
      280.000   .000000      .000000      .000000      .000000
      270.000   .000000      .000000      .000000      .000000
♀OBODM 1.3                   ANFO CO                      11/13/2012 pg   28

                             Table    4 (cont.)
        CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)


                 (Maximum = 14.597 at x = 1400.00, Y = 90.00

                             - X Axis  (Meters)  -
                 4000.000     4100.000     4200.000     4300.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      260.000   .000000      .000000      .000000      .000000
      250.000   .000000      .000000      .000000      .000000
      240.000   .000000      .000000      .000000      .000000
```

230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176471E-21	.176471E-21
170.000	.208245E-20	.212146E-20	.215931E-20	.219600E-20
160.000	.281254E-20	.281552E-20	.281629E-20	.281499E-20
150.000	.262127E-20	.259317E-20	.256432E-20	.253491E-20
140.000	.149783E-15	.960716E-16	.624734E-16	.411639E-16
130.000	.101128E-07	.813716E-08	.660921E-08	.538876E-08
120.000	.324250E-03	.290710E-03	.261570E-03	.236149E-03
110.000	.132450	.125416	.118952	.112998
100.000	3.12428	3.03622	2.95273	2.87349
90.000	8.39215	8.21874	8.05235	7.89256
80.000	3.12427	3.03620	2.95272	2.87348
70.000	.132449	.125415	.118951	.112997
60.000	.324244E-03	.290705E-03	.261566E-03	.236145E-03
50.000	.101125E-07	.813693E-08	.660904E-08	.538859E-08
40.000	.149776E-15	.960669E-16	.624711E-16	.411623E-16
30.000	.262127E-20	.259317E-20	.256432E-20	.253491E-20
20.000	.281255E-20	.281552E-20	.281628E-20	.281499E-20
10.000	.208244E-20	.212146E-20	.215931E-20	.219599E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176472E-21	.176472E-21
170.000	.223150E-20	.226583E-20	.229898E-20	.233096E-20
160.000	.281176E-20	.280674E-20	.280006E-20	.279182E-20

150.000	.250507E-20	.247493E-20	.244462E-20	.241424E-20
140.000	.274664E-16	.185491E-16	.126721E-16	.875343E-17
130.000	.442230E-08	.365170E-08	.303322E-08	.253368E-08
120.000	.213885E-03	.194313E-03	.177047E-03	.161764E-03
110.000	.107503	.102420	.977094E-01	.933362E-01
100.000	2.79818	2.72654	2.65831	2.59326
90.000	7.73900	7.59129	7.44911	7.31217
80.000	2.79817	2.72653	2.65830	2.59325
70.000	.107502	.102419	.977086E-01	.933352E-01
60.000	.213881E-03	.194310E-03	.177044E-03	.161762E-03
50.000	.442217E-08	.365159E-08	.303314E-08	.253361E-08
40.000	.274651E-16	.185481E-16	.126715E-16	.875289E-17
30.000	.250507E-20	.247493E-20	.244462E-20	.241424E-20
20.000	.281176E-20	.280674E-20	.280006E-20	.279182E-20
10.000	.223150E-20	.226583E-20	.229898E-20	.233096E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	4800.000	4900.000	5000.000
		- Time-Average Concentration -	
360.000	.000000	.000000	.000000
350.000	.000000	.000000	.000000
340.000	.000000	.000000	.000000
330.000	.000000	.000000	.000000
320.000	.000000	.000000	.000000
310.000	.000000	.000000	.000000
300.000	.000000	.000000	.000000
290.000	.000000	.000000	.000000
280.000	.000000	.000000	.000000
270.000	.000000	.000000	.000000
260.000	.000000	.000000	.000000
250.000	.000000	.000000	.000000

♀OBODM 1.3 ANFO CO 11/13/2012 pg 30

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	4800.000	4900.000	5000.000
		- Time-Average Concentration -	
240.000	.000000	.000000	.000000
230.000	.000000	.000000	.000000
220.000	.000000	.000000	.000000
210.000	.000000	.000000	.000000
200.000	.000000	.000000	.000000
190.000	.000000	.000000	.000000
180.000	.176472E-21	.176472E-21	.176472E-21
170.000	.236176E-20	.239140E-20	.241988E-20
160.000	.278237E-20	.277144E-20	.275931E-20
150.000	.238387E-20	.235361E-20	.232352E-20
140.000	.611089E-17	.430964E-17	.307644E-17
130.000	.212781E-08	.179615E-08	.152362E-08
120.000	.148192E-03	.136102E-03	.125300E-03
110.000	.892684E-01	.854786E-01	.819417E-01
100.000	2.53118	2.47187	2.41517
90.000	7.18017	7.05285	6.92996
80.000	2.53117	2.47186	2.41516
70.000	.892676E-01	.854778E-01	.819410E-01
60.000	.148190E-03	.136100E-03	.125298E-03

```
      50.000   .212775E-08  .179609E-08  .152357E-08
      40.000   .611052E-17  .430941E-17  .307629E-17
      30.000   .238387E-20  .235361E-20  .232352E-20
      20.000   .278237E-20  .277144E-20  .275931E-20
      10.000   .236176E-20  .239140E-20  .241988E-20
        .000   .000000      .000000      .000000

Elapsed run time =     0 hours,  1.95 minutes.

*** end of OBODM ***
```

Table 1

- Program Input Data -

- Program Models Selected -

- Concentration
- Time-average concentration
- Using final cloud rise ht. for all calc. distances.
- Flat terrain is assumed.
- Grid system origin is not added to source rectangular coordinates
- Instantaneous sources can use both stable and adiabatic plume rise.
- Grid receptor system is ---------- Polar

- Print Output Options -

- Print and save data using Detailed processing mode
- Print concentration output units ---------- Micrograms/Cubic Meter

- Receptor Grid System Geometry -

Grid system orientation angle (Degrees) ---------- .0
Receptor X coordinate units ---------- Meters
Y coordinate units ---------- Degrees
Z coordinate units ---------- Meters
X origin ---------- .00
Y origin ---------- .00
X Axis of the grid system (Meters)---------- .00, 100.00,
200.00, 300.00, 400.00, 500.00, 600.00, 700.00,
800.00, 900.00, 1000.00, 1100.00, 1200.00, 1300.00,
1400.00, 1500.00, 1600.00, 1700.00, 1800.00, 1900.00,
2000.00, 2100.00, 2200.00, 2300.00, 2400.00, 2500.00,
2600.00, 2700.00, 2800.00, 2900.00, 3000.00, 3100.00,
3200.00, 3300.00, 3400.00, 3500.00, 3600.00, 3700.00,
3800.00, 3900.00, 4000.00, 4100.00, 4200.00, 4300.00,
4400.00, 4500.00, 4600.00, 4700.00, 4800.00, 4900.00,
5000.00,
Y Axis of the grid system (Degrees)---------- .00, 10.00,
20.00, 30.00, 40.00, 50.00, 60.00, 70.00,
80.00, 90.00, 100.00, 110.00, 120.00, 130.00,
140.00, 150.00, 160.00, 170.00, 180.00, 190.00,
200.00, 210.00, 220.00, 230.00, 240.00, 250.00,
260.00, 270.00, 280.00, 290.00, 300.00, 310.00,
320.00, 330.00, 340.00, 350.00, 360.00,

- Source Geometry/Emission Strength -

Material or fuel/explosive ---------- ANFO
Pollutant/species ---------- NO2
Total number of sources ---------- 1

Source Number	Ident	Reference System	Source Type	Emission Type
1	ANFO NO2	Polar	Volume	Instantaneous

Table 1 (cont.)

- Program Input Data -

```
                    - Source Geometry/Emission Strength -

 Source     X            Y            Z          Release        Emission
 Number Coordinate   Coordinate   Elevation       Height        Strength
 ---------------------------------------------------------------------------
    1          .0  m        .0  d        .0  m      20.1~ m  1.00000E+04 lb
 ~ Means the value is defaulted for each hour of met. data.

 Source Rect. Expan. Dist. / Reference Dist.   /Air Entrain-/Dispersion Coeff.
 Number Crosswind  Vertical/Crosswind  Vertical/ment Coeff. /Crosswind
Vertical

---------------------------------------------------------------------------
    1     50.00 m   50.00 m     .00 m     .00 m       .640      1.000
1.000

 Source     Fuel Heat        Fuel Burn      Fuel Burn   Initial
 Number      Content           Rate           Time      Diameter
 ---------------------------------------------------------------------------
    1        880.0 ca/g   1814370.0 g/s         2.5  s    40.12~ m
 ~ Means the value is defaulted for each hour of met. data.

              - Pollutant/Species Material Characteristics -

 Pollutant/species name ------------------------------------------------- NO2
 Pollutant/species is ----------------------------------------      Gaseous
 Particle material half-life ---------------------------------------  infinite
 Molecular weight (g/g-mol) ----------------------------------------        48.0
 Density of species (  g/m**3) -------------------------------------         1.0
 Ratio of mass of pollutant/species (lb) ----------------------------        17.0
 per mass of fuel or explosive (lb) ---------------------------------       2000.0

                           - Meteorological Data -
                           ( [#-#] min-max limits )

 Year [1900-2099]------------------------------------------------------- 2008
 Month [ 1-12]----------------------------------------------------------  5
 Day [ 1-31]------------------------------------------------------------ 11
 Hour (DST) [00-23]----------------------------------------------------- 1100
 Minute ----------------------------------------------------------------- 44
 Julian day [  1-  1]--------------------------------------------------- 132
 Surface pressure (  mb) [ 600.0-1100.0]------------------------     1000.00
 Cloud cover (8ths) [0-8]----------------------------------------         .00
 Cloud ceiling ( m) [     .0-20000.0]---------------------------     9999.00
 Net radiation index [-2- 4]-------------------------------------------   0.
 Pasquill stability category [A-F]-------------------------------------- D
♀OBODM 1.3                    ANFO NO2                    11/13/2012 pg    3

                              Table    1 (cont.)

                            - Program Input Data -


                           - Meteorological Data -
                           ( [#-#] min-max limits )

 Wind speed reference height (m) -------------------------------       10.00
 Surface roughness length (cm) [   .00-100.00]------------------        .000
 Vertical grad. of pot. temp. (  C/m) [-5.000- 5.000]---------            .0
 Reference wind speed (  m/s) [  1.0- 50.0]--------------------------  5.000
 Minimum (at 2m) wind speed (m/s) ------------------------------------  4.257
 Air temperature ( C) [-60.0- 60.0]------------------------------   20.000
```

```
 Standard dev. of wind direction angle ( d) [ 1.0000-80.0000]------   8.0000
 Standard dev. wind elevation angle ( d) [ 1.0000-50.0000]---------   4.8000
 Longitudinal turbulence intensity ( d) [ 1.0000-106.4000]---------  10.6400
 Measurement time for std. dev. wind dir. angle ( s) [ 2.5-3600.0]-   600.00
 Air humidity (%) (  .0-100.0)-------------------------------------  50.0
 Surface mixing layer height ( m) [ 1.0-20000.0]------------------    300.00
 Wind direction (From) (deg) [    .0- 360.0]------------------------   270.0
 Wind-direction shear (  d/m) [ -45.0-  45.0]------------------------     .00
 Wind-speed power law exponent [ .000-5.000]-----------------------       .1
 Wind-speed shear (  m/s) [   .00- 20.00]--------------------------- Compute

                         - Other Required Data -

 Averaging time ( s) (time-average con.) -------------------------   3600.00

                       - Input/Output Files Used -

 Input save data file name ----------------------------------- Otay_NO2.INP
 Output save data file name ---------------------------------- OtayBNO2.INP
 Print solution output file name ----------------------------- OtayBNO2.OUT
 Sigma plot output solution file ----------------------------------- O_BL_NO2
```


Table 2

- Maximum Cloud Plume Rise -

Source Number	Name	Release Height	Cloud Rise Height	Total Cloud Height	Distance
1	ANFO NO2	20.1 m	229.3 m	249.4 m	920.7 m

Table 3
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	.000	100.000	200.000	300.000
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000

180.000	.000000	12.5100	1.03516	.162649E-01
170.000	.000000	14.9600	1.90057	.707801E-01
160.000	.000000	18.3626	3.71996	.314873
150.000	.000000	22.8010	7.35115	1.29543
140.000	.000000	28.2159	14.0048	4.59957
130.000	.000000	34.3098	24.7913	13.4735
120.000	.000000	40.4902	39.6571	31.6714
110.000	.000000	45.9125	56.1933	58.7900
100.000	.000000	49.6560	69.6080	85.4369
90.000	.000000	50.9959	74.8171	96.8120
80.000	.000000	49.6560	69.6080	85.4369
70.000	.000000	45.9125	56.1933	58.7900
60.000	.000000	40.4902	39.6570	31.6714
50.000	.000000	34.3097	24.7912	13.4735
40.000	.000000	28.2159	14.0047	4.59956
30.000	.000000	22.8010	7.35113	1.29543
20.000	.000000	18.3626	3.71995	.314872
10.000	.000000	14.9600	1.90056	.707799E-01
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

400.000 500.000 600.000 700.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000

Table 3 (cont.)

NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

400.000 500.000 600.000 700.000

Y Axis (Degrees) - Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.485286E-04	.274942E-07	.295792E-11	.604268E-16
170.000	.907766E-03	.461656E-05	.105356E-07	.120275E-10
160.000	.137930E-01	.369267E-03	.688012E-05	.987866E-07
150.000	.153329	.140821E-01	.111138E-02	.810638E-04
140.000	1.18586	.267890	.569715E-01	.119577E-01
130.000	6.26613	2.69603	1.12451	.465882
120.000	22.5987	15.1918	9.92203	6.41732
110.000	55.9923	50.3323	43.8237	37.3871

100.000	96.0961	101.863	104.006	103.219
90.000	114.963	128.545	138.123	143.830
80.000	96.0960	101.862	104.006	103.219
70.000	55.9922	50.3322	43.8236	37.3870
60.000	22.5986	15.1917	9.92199	6.41729
50.000	6.26611	2.69602	1.12450	.465879
40.000	1.18585	.267888	.569710E-01	.119576E-01
30.000	.153328	.140820E-01	.111138E-02	.810630E-04
20.000	.137930E-01	.369264E-03	.688005E-05	.987852E-07
10.000	.907761E-03	.461651E-05	.105354E-07	.120272E-10
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	-	Concentration	-	
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	-	Concentration	-	
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553714E-20	.553714E-20	.553714E-20	.553715E-20
170.000	.755736E-14	.284319E-17	.132319E-19	.140241E-19
160.000	.118451E-08	.126387E-10	.126218E-12	.122843E-14
150.000	.575972E-05	.414180E-06	.301465E-07	.229447E-08
140.000	.251852E-02	.546027E-03	.123273E-03	.291793E-04
130.000	.195401	.838121E-01	.369751E-01	.168275E-01
120.000	4.15446	2.70998	1.78805	1.19587
110.000	31.5252	26.4207	22.0888	18.4670
100.000	100.353	96.1056	91.0173	85.4890
90.000	146.265	146.063	143.820	140.061
80.000	100.353	96.1054	91.0171	85.4889
70.000	31.5251	26.4206	22.0887	18.4669
60.000	4.15444	2.70996	1.78804	1.19586
50.000	.195399	.838114E-01	.369747E-01	.168274E-01
40.000	.251849E-02	.546020E-03	.123271E-03	.291788E-04
30.000	.575964E-05	.414172E-06	.301458E-07	.229441E-08

20.000	.118448E-08	.126383E-10	.126214E-12	.122839E-14
10.000	.755712E-14	.284309E-17	.132318E-19	.140240E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	-	Concentration	-	
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	-	Concentration	-	
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553715E-20	.553714E-20	.553715E-20	.553715E-20
170.000	.148064E-19	.155761E-19	.163308E-19	.170682E-19
160.000	.120429E-16	.122413E-18	.242972E-19	.250796E-19
150.000	.184759E-09	.158620E-10	.145884E-11	.144116E-12
140.000	.726858E-05	.190844E-05	.528242E-06	.154021E-06
130.000	.790975E-02	.384041E-02	.192487E-02	.994939E-03
120.000	.811571	.559075	.390919	.277356
110.000	15.4638	12.9837	10.9384	9.25074
100.000	79.8085	74.1748	68.7204	63.5286
90.000	135.228	129.681	123.705	117.520
80.000	79.8083	74.1746	68.7202	63.5285
70.000	15.4637	12.9836	10.9383	9.25069
60.000	.811565	.559071	.390916	.277353
50.000	.790965E-02	.384036E-02	.192485E-02	.994923E-03
40.000	.726846E-05	.190840E-05	.528230E-06	.154018E-06
30.000	.184756E-09	.158615E-10	.145879E-11	.144109E-12
20.000	.120425E-16	.122407E-18	.242972E-19	.250796E-19
10.000	.148064E-19	.155761E-19	.163308E-19	.170682E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	-	Concentration	-	

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 1600.000	1700.000	1800.000	1900.000
	- Concentration -			
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553716E-20	.553715E-20	.553715E-20	.553716E-20
170.000	.177865E-19	.184838E-19	.191588E-19	.198100E-19
160.000	.257652E-19	.263571E-19	.268591E-19	.272756E-19
150.000	.153090E-13	.174872E-14	.214620E-15	.282623E-16
140.000	.472427E-07	.152171E-07	.513716E-08	.181389E-08
130.000	.529677E-03	.290033E-03	.163112E-03	.940818E-04
120.000	.199579	.145570	.107560	.804658E-01
110.000	7.85585	6.69998	5.73979	4.93871
100.000	58.6476	54.1051	49.9008	46.0317
90.000	111.294	105.160	99.1910	93.4543
80.000	58.6474	54.1050	49.9006	46.0315
70.000	7.85581	6.69994	5.73976	4.93868
60.000	.199577	.145569	.107559	.804650E-01
50.000	.529669E-03	.290029E-03	.163109E-03	.940800E-04
40.000	.472417E-07	.152168E-07	.513703E-08	.181384E-08
30.000	.153084E-13	.174863E-14	.214610E-15	.282609E-16
20.000	.257652E-19	.263571E-19	.268591E-19	.272755E-19
10.000	.177865E-19	.184838E-19	.191588E-19	.198099E-19
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 2000.000	2100.000	2200.000	2300.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 2000.000	2100.000	2200.000	2300.000
	- Concentration -			
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553716E-20	.553716E-20	.553716E-20	.553716E-20
170.000	.204363E-19	.210366E-19	.216098E-19	.221549E-19
160.000	.276110E-19	.278703E-19	.280584E-19	.281803E-19
150.000	.398619E-17	.600943E-18	.966258E-19	.265693E-19
140.000	.668459E-09	.256569E-09	.102357E-09	.423588E-10
130.000	.555778E-04	.335810E-04	.207286E-04	.130541E-04
120.000	.609046E-01	.466153E-01	.360582E-01	.281738E-01
110.000	4.26821	3.70487	3.22977	2.82752
100.000	42.4850	39.2432	36.2862	33.5929
90.000	87.9892	82.8187	77.9534	73.3947
80.000	42.4849	39.2431	36.2861	33.5927
70.000	4.26818	3.70485	3.22974	2.82751
60.000	.609039E-01	.466147E-01	.360577E-01	.281734E-01
50.000	.555767E-04	.335803E-04	.207281E-04	.130538E-04
40.000	.668439E-09	.256562E-09	.102353E-09	.423575E-10
30.000	.398598E-17	.600918E-18	.966203E-19	.265693E-19
20.000	.276110E-19	.278703E-19	.280584E-19	.281803E-19
10.000	.204362E-19	.210365E-19	.216098E-19	.221549E-19
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 2400.000	2500.000	2600.000	2700.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	2400.000	2500.000	2600.000	2700.000
	- Concentration -			
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553716E-20	.553716E-20	.553716E-20	.553717E-20
170.000	.226702E-19	.231521E-19	.236006E-19	.240504E-19
160.000	.282408E-19	.282448E-19	.281969E-19	.281018E-19
150.000	.260820E-19	.255606E-19	.250122E-19	.244433E-19
140.000	.181497E-10	.803715E-11	.367228E-11	.172826E-11
130.000	.837839E-05	.547457E-05	.363822E-05	.245682E-05
120.000	.222245E-01	.176913E-01	.142047E-01	.114992E-01
110.000	2.48566	2.19398	1.94419	1.72945
100.000	31.1417	28.9119	26.8834	25.0375
90.000	69.1372	65.1707	61.4821	58.0559
80.000	31.1416	28.9118	26.8833	25.0374
70.000	2.48564	2.19397	1.94417	1.72944
60.000	.222242E-01	.176911E-01	.142045E-01	.114990E-01
50.000	.837821E-05	.547446E-05	.363814E-05	.245676E-05
40.000	.181490E-10	.803685E-11	.367216E-11	.172820E-11
30.000	.260820E-19	.255606E-19	.250122E-19	.244433E-19
20.000	.282408E-19	.282448E-19	.281969E-19	.281018E-19
10.000	.226702E-19	.231521E-19	.236006E-19	.240504E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	2800.000	2900.000	3000.000	3100.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	2800.000	2900.000	3000.000	3100.000
	- Concentration -			
290.000	.000000	.000000	.000000	.000000

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553717E-20	.553717E-20	.553717E-20	.553717E-20
170.000	.244745E-19	.248732E-19	.252468E-19	.255955E-19
160.000	.279637E-19	.277867E-19	.275747E-19	.273315E-19
150.000	.238595E-19	.232659E-19	.226667E-19	.220656E-19
140.000	.836536E-12	.415852E-12	.212020E-12	.110727E-12
130.000	.168433E-05	.117140E-05	.825809E-06	.589713E-06
120.000	.938189E-02	.771147E-02	.638341E-02	.531973E-02
110.000	1.54416	1.38369	1.24421	1.12254
100.000	23.3567	21.8249	20.4274	19.1509
90.000	54.8760	51.9255	49.1878	46.6468
80.000	23.3566	21.8248	20.4274	19.1508
70.000	1.54415	1.38368	1.24420	1.12254
60.000	.938174E-02	.771135E-02	.638331E-02	.531965E-02
50.000	.168430E-05	.117138E-05	.825790E-06	.589698E-06
40.000	.836507E-12	.415833E-12	.212011E-12	.110721E-12
30.000	.238595E-19	.232659E-19	.226667E-19	.220656E-19
20.000	.279637E-19	.277867E-19	.275748E-19	.273315E-19
10.000	.244745E-19	.248732E-19	.252467E-19	.255955E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

3200.000 3300.000 3400.000 3500.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

3200.000 3300.000 3400.000 3500.000

Y Axis (Degrees) - Concentration -

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000

200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553717E-20	.553717E-20	.553717E-20	.553718E-20
170.000	.259199E-19	.262203E-19	.264973E-19	.267514E-19
160.000	.270605E-19	.267648E-19	.264476E-19	.261116E-19
150.000	.214658E-19	.208717E-19	.202827E-19	.197021E-19
140.000	.591626E-13	.323047E-13	.180077E-13	.102375E-13
130.000	.426291E-06	.311749E-06	.230508E-06	.172233E-06
120.000	.446180E-02	.376512E-02	.319574E-02	.272750E-02
110.000	1.01605	.922502	.840063	.768627
100.000	17.9832	16.9497	15.9572	15.0476
90.000	44.2870	42.1710	40.1077	38.1923
80.000	17.9831	16.9496	15.9571	15.0476
70.000	1.01604	.922495	.840056	.768621
60.000	.446173E-02	.376507E-02	.319569E-02	.272746E-02
50.000	.426279E-06	.311740E-06	.230504E-06	.172229E-06
40.000	.591597E-13	.323036E-13	.180071E-13	.102370E-13
30.000	.214658E-19	.208717E-19	.202827E-19	.197021E-19
20.000	.270605E-19	.267649E-19	.264476E-19	.261116E-19
10.000	.259198E-19	.262203E-19	.264973E-19	.267514E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

3600.000 3700.000 3800.000 3900.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

3600.000 3700.000 3800.000 3900.000

Y Axis (Degrees) - Concentration -

270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553718E-20	.553717E-20	.553718E-20	.553718E-20
170.000	.269832E-19	.271932E-19	.273821E-19	.275504E-19
160.000	.257594E-19	.253934E-19	.250158E-19	.246286E-19
150.000	.191315E-19	.185721E-19	.180250E-19	.174911E-19
140.000	.593016E-14	.349695E-14	.209752E-14	.127875E-14
130.000	.129978E-06	.990242E-07	.761254E-07	.590270E-07

120.000	.234017E-02	.201793E-02	.175171E-02	.152400E-02
110.000	.703515	.645681	.594137	.548053
100.000	14.2122	13.4432	12.7339	12.0783
90.000	36.4109	34.7512	33.2026	31.7552
80.000	14.2122	13.4432	12.7339	12.0783
70.000	.703509	.645675	.594132	.548048
60.000	.234013E-02	.201790E-02	.175168E-02	.152397E-02
50.000	.129975E-06	.990216E-07	.761234E-07	.590250E-07
40.000	.592985E-14	.349679E-14	.209745E-14	.127869E-14
30.000	.191315E-19	.185721E-19	.180250E-19	.174911E-19
20.000	.257594E-19	.253934E-19	.250158E-19	.246286E-19
10.000	.269831E-19	.271932E-19	.273820E-19	.275504E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	4000.000	4100.000	4200.000	4300.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	4000.000	4100.000	4200.000	4300.000
	- Concentration -			
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553719E-20	.553718E-20	.553718E-20	.553719E-20
170.000	.276989E-19	.278282E-19	.279388E-19	.280315E-19
160.000	.242336E-19	.238326E-19	.234271E-19	.230185E-19
150.000	.169709E-19	.164650E-19	.159736E-19	.154970E-19
140.000	.791768E-15	.497567E-15	.317139E-15	.204899E-15
130.000	.461454E-07	.363578E-07	.289287E-07	.231155E-07
120.000	.133180E-02	.116876E-02	.102981E-02	.910839E-03
110.000	.506723	.469549	.436020	.405699
100.000	11.4712	10.9080	10.3846	9.89749
90.000	30.4004	29.1305	27.9386	26.8183
80.000	11.4712	10.9080	10.3846	9.89745
70.000	.506719	.469545	.436016	.405695
60.000	.133178E-02	.116874E-02	.102979E-02	.910822E-03
50.000	.461441E-07	.363568E-07	.289280E-07	.231148E-07

40.000	.791732E-15	.497543E-15	.317127E-15	.204891E-15
30.000	.169709E-19	.164650E-19	.159737E-19	.154971E-19
20.000	.242336E-19	.238326E-19	.234271E-19	.230185E-19
10.000	.276989E-19	.278281E-19	.279388E-19	.280315E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553719E-20	.553719E-20	.553720E-20	.553720E-20
170.000	.281069E-19	.281657E-19	.282085E-19	.282359E-19
160.000	.226080E-19	.221968E-19	.217859E-19	.213762E-19
150.000	.150353E-19	.145883E-19	.141560E-19	.137383E-19
140.000	.134109E-15	.888730E-16	.595991E-16	.404257E-16
130.000	.185982E-07	.150623E-07	.122754E-07	.100641E-07
120.000	.808541E-03	.720217E-03	.643659E-03	.577050E-03
110.000	.378209	.353225	.330467	.309690
100.000	9.44332	9.01925	8.62272	8.25142
90.000	25.7641	24.7709	23.8340	22.9493
80.000	9.44328	9.01921	8.62268	8.25138
70.000	.378205	.353222	.330464	.309687
60.000	.808528E-03	.720205E-03	.643648E-03	.577039E-03
50.000	.185976E-07	.150619E-07	.122751E-07	.100638E-07
40.000	.134103E-15	.888683E-16	.595960E-16	.404233E-16
30.000	.150353E-19	.145883E-19	.141560E-19	.137383E-19
20.000	.226080E-19	.221968E-19	.217859E-19	.213762E-19
10.000	.281069E-19	.281657E-19	.282085E-19	.282359E-19
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4800.000 4900.000 5000.000

```
 Y Axis  (Degrees)            -       Concentration        -
              ----------------------------------------------------

       360.000   .000000      .000000      .000000
       350.000   .000000      .000000      .000000
       340.000   .000000      .000000      .000000
       330.000   .000000      .000000      .000000
       320.000   .000000      .000000      .000000
       310.000   .000000      .000000      .000000
       300.000   .000000      .000000      .000000
       290.000   .000000      .000000      .000000
       280.000   .000000      .000000      .000000
       270.000   .000000      .000000      .000000
       260.000   .000000      .000000      .000000
       250.000   .000000      .000000      .000000
♀OBODM 1.3                     ANFO NO2                     11/13/2012 pg   17

                              Table    3 (cont.)
                 NO2 Peak Concentration (Micrograms/Cubic Meter)


                  (Maximum = 146.27 at x = 800.00, Y = 90.00

                            - X Axis  (Meters)  -
                   4800.000     4900.000     5000.000
 Y Axis  (Degrees)            -       Concentration        -
              ----------------------------------------------------

       240.000   .000000      .000000      .000000
       230.000   .000000      .000000      .000000
       220.000   .000000      .000000      .000000
       210.000   .000000      .000000      .000000
       200.000   .000000      .000000      .000000
       190.000   .000000      .000000      .000000
       180.000   .553720E-20  .553720E-20  .553720E-20
       170.000   .282486E-19  .282471E-19  .282322E-19
       160.000   .209701E-19  .205657E-19  .201647E-19
       150.000   .133348E-19  .129454E-19  .125698E-19
       140.000   .277214E-16  .192097E-16  .134780E-16
       130.000   .829835E-08  .687990E-08  .573372E-08
       120.000   .518886E-03  .467925E-03  .423127E-03
       110.000   .290682      .273256      .257250
       100.000   7.90327      7.57642      7.26918
        90.000   22.1129      21.3215      20.5718
        80.000   7.90324      7.57639      7.26914
        70.000   .290679      .273254      .257248
        60.000   .518878E-03  .467918E-03  .423120E-03
        50.000   .829812E-08  .687968E-08  .573354E-08
        40.000   .277198E-16  .192087E-16  .134774E-16
        30.000   .133348E-19  .129454E-19  .125698E-19
        20.000   .209701E-19  .205657E-19  .201647E-19
        10.000   .282486E-19  .282471E-19  .282322E-19
          .000   .000000      .000000      .000000
♀OBODM 1.3                     ANFO NO2                     11/13/2012 pg   18

                                 Table    4
         NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)


                 (Maximum = 3.7037 at x = 1400.00, Y = 90.00

                            - X Axis  (Meters)  -
                       .000      100.000      200.000      300.000

 Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------
```

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.000000	.101162	.837074E-02	.131526E-03
170.000	.000000	.124858	.163576E-01	.627689E-03
160.000	.000000	.157895	.339059E-01	.303358E-02
150.000	.000000	.201483	.705309E-01	.134225E-01
140.000	.000000	.255415	.140487	.507171E-01
130.000	.000000	.316982	.258101	.156394
120.000	.000000	.380228	.425152	.382723
110.000	.000000	.436291	.615319	.731284
100.000	.000000	.475277	.772022	1.08144
90.000	.000000	.489283	.833352	1.23259
80.000	.000000	.475277	.772022	1.08144
70.000	.000000	.436291	.615319	.731283
60.000	.000000	.380228	.425152	.382723
50.000	.000000	.316982	.258101	.156394
40.000	.000000	.255415	.140487	.507170E-01
30.000	.000000	.201482	.705308E-01	.134225E-01
20.000	.000000	.157895	.339059E-01	.303357E-02
10.000	.000000	.124858	.163575E-01	.627687E-03
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.392425E-06	.222331E-09	.239191E-13	.488639E-18
170.000	.828843E-05	.433679E-07	.101757E-09	.119361E-12
160.000	.140112E-03	.394622E-05	.771963E-07	.116168E-08
150.000	.170786E-02	.167968E-03	.141499E-04	.109885E-05
140.000	.142791E-01	.350438E-02	.806696E-03	.183140E-03
130.000	.804339E-01	.380521E-01	.173897E-01	.775275E-02
120.000	.304979	.227884	.162579	.113694
110.000	.783442	.786250	.747849	.692026
100.000	1.37438	1.62651	1.81814	1.96070
90.000	1.65638	2.06756	2.43389	2.75565
80.000	1.37438	1.62651	1.81814	1.96070
70.000	.783440	.786249	.747847	.692024
60.000	.304978	.227883	.162579	.113694
50.000	.804337E-01	.380519E-01	.173896E-01	.775270E-02
40.000	.142790E-01	.350436E-02	.806690E-03	.183138E-03
30.000	.170785E-02	.167966E-03	.141498E-04	.109884E-05
20.000	.140112E-03	.394619E-05	.771955E-07	.116167E-08
10.000	.828838E-05	.433675E-07	.101756E-09	.119358E-12
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

800.000 900.000 1000.000 1100.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000

♀OBODM 1.3 ANFO NO2 11/13/2012 pg 20

Table 4 (cont.)

NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

800.000 900.000 1000.000 1100.000

Y Axis (Degrees) - Time-Average Concentration -

340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000

210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447759E-22	.447759E-22	.447759E-22	.447759E-22
170.000	.770143E-16	.297354E-19	.141946E-21	.154237E-21
160.000	.145759E-10	.162523E-12	.169414E-14	.171954E-16
150.000	.829858E-07	.634376E-08	.484888E-09	.386678E-10
140.000	.410593E-04	.944126E-05	.225331E-05	.562220E-06
130.000	.348176E-02	.159215E-02	.745980E-03	.359338E-03
120.000	.791368E-01	.552323E-01	.388259E-01	.275617E-01
110.000	.629095	.565443	.504691	.448663
100.000	2.05831	2.11688	2.14282	2.14234
90.000	3.02736	3.24802	3.41960	3.54595
80.000	2.05831	2.11687	2.14281	2.14233
70.000	.629092	.565441	.504689	.448661
60.000	.791364E-01	.552320E-01	.388257E-01	.275615E-01
50.000	.348173E-02	.159213E-02	.745973E-03	.359335E-03
40.000	.410588E-04	.944112E-05	.225328E-05	.562211E-06
30.000	.829847E-07	.634363E-08	.484875E-09	.386668E-10
20.000	.145756E-10	.162518E-12	.169408E-14	.171948E-16
10.000	.770118E-16	.297344E-19	.141946E-21	.154237E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

1200.000 1300.000 1400.000 1500.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

1200.000 1300.000 1400.000 1500.000

Y Axis (Degrees) - Time-Average Concentration -

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447759E-22	.447759E-22	.447759E-22	.447759E-22
170.000	.166866E-21	.179798E-21	.193000E-21	.206437E-21
160.000	.175723E-18	.186340E-20	.382903E-21	.408410E-21
150.000	.325568E-11	.291703E-12	.279500E-13	.287198E-14
140.000	.147238E-06	.405468E-07	.117458E-07	.357720E-08

130.000	.178235E-03	.910682E-04	.479159E-04	.259412E-04
120.000	.197870E-01	.143767E-01	.105741E-01	.787245E-02
110.000	.398082	.353035	.313261	.278327
100.000	2.12107	2.08390	2.03496	1.97765
90.000	3.63193	3.68277	3.70371	3.69969
80.000	2.12106	2.08389	2.03495	1.97764
70.000	.398080	.353034	.313259	.278325
60.000	.197869E-01	.143766E-01	.105741E-01	.787237E-02
50.000	.178232E-03	.910670E-04	.479153E-04	.259407E-04
40.000	.147236E-06	.405460E-07	.117455E-07	.357712E-08
30.000	.325562E-11	.291694E-12	.279491E-13	.287185E-14
20.000	.175716E-18	.186329E-20	.382903E-21	.408410E-21
10.000	.166866E-21	.179798E-21	.192999E-21	.206437E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	1600.000	1700.000	1800.000	1900.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	1600.000	1700.000	1800.000	1900.000
	- Time-Average Concentration -			
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447760E-22	.447760E-22	.447760E-22	.447760E-22
170.000	.220078E-21	.233893E-21	.247852E-21	.261929E-21
160.000	.433115E-21	.456921E-21	.479747E-21	.501530E-21
150.000	.316862E-15	.375403E-16	.477252E-17	.650231E-18
140.000	.114399E-08	.383552E-09	.134571E-09	.493123E-10
130.000	.144355E-04	.824675E-05	.483046E-05	.289726E-05
120.000	.593120E-02	.452046E-02	.348369E-02	.271359E-02
110.000	.247737	.220992	.197637	.177209
100.000	1.91473	1.84858	1.78070	1.71253
90.000	3.67525	3.63481	3.58143	3.51841
80.000	1.91473	1.84857	1.78069	1.71253
70.000	.247736	.220991	.197635	.177208
60.000	.593114E-02	.452041E-02	.348365E-02	.271356E-02

50.000	.144353E-04	.824662E-05	.483039E-05	.289721E-05
40.000	.114397E-08	.383544E-09	.134568E-09	.493110E-10
30.000	.316849E-15	.375384E-16	.477230E-17	.650198E-18
20.000	.433115E-21	.456921E-21	.479747E-21	.501530E-21
10.000	.220078E-21	.233892E-21	.247851E-21	.261928E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -

310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447760E-22	.447760E-22	.447761E-22	.447761E-22
170.000	.276098E-21	.290340E-21	.304635E-21	.318972E-21
160.000	.522223E-21	.541791E-21	.560213E-21	.577477E-21
150.000	.947795E-19	.147514E-19	.244630E-20	.693127E-21
140.000	.188348E-10	.748336E-11	.308684E-11	.131941E-11
130.000	.177715E-05	.111344E-05	.711775E-06	.463669E-06
120.000	.213524E-02	.169652E-02	.136046E-02	.110061E-02
110.000	.159334	.143673	.129929	.117845
100.000	1.64510	1.57917	1.51529	1.45384
90.000	3.44834	3.37343	3.29548	3.21595
80.000	1.64510	1.57917	1.51529	1.45384
70.000	.159333	.143672	.129928	.117845
60.000	.213521E-02	.169650E-02	.136044E-02	.110059E-02
50.000	.177712E-05	.111342E-05	.711760E-06	.463659E-06
40.000	.188342E-10	.748316E-11	.308675E-11	.131937E-11
30.000	.947744E-19	.147508E-19	.244616E-20	.693127E-21
20.000	.522223E-21	.541791E-21	.560212E-21	.577477E-21
10.000	.276098E-21	.290339E-21	.304634E-21	.318971E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

	- X Axis (Meters) -			
	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Time-Average Concentration -			
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447761E-22	.447761E-22	.447761E-22	.447761E-22
170.000	.333346E-21	.347772E-21	.362015E-21	.375328E-21
160.000	.593583E-21	.608536E-21	.622352E-21	.635051E-21
150.000	.700508E-21	.706194E-21	.710314E-21	.712993E-21
140.000	.583322E-12	.266273E-12	.125303E-12	.606831E-13
130.000	.307488E-06	.207385E-06	.142119E-06	.988726E-07
120.000	.897880E-03	.738365E-03	.611821E-03	.510650E-03
110.000	.107199	.978003E-01	.894832E-01	.821064E-01
100.000	1.39506	1.33909	1.28598	1.23571
90.000	3.13604	3.05664	2.97848	2.90205
80.000	1.39506	1.33909	1.28597	1.23571
70.000	.107199	.977996E-01	.894826E-01	.821058E-01
60.000	.897870E-03	.738356E-03	.611814E-03	.510643E-03
50.000	.307482E-06	.207380E-06	.142116E-06	.988701E-07
40.000	.583297E-12	.266263E-12	.125299E-12	.606812E-13
30.000	.700507E-21	.706194E-21	.710314E-21	.712993E-21
20.000	.593582E-21	.608536E-21	.622352E-21	.635050E-21
10.000	.333346E-21	.347771E-21	.362014E-21	.375327E-21
.000	.000000	.000000	.000000	.000000

	- X Axis (Meters) -			
	2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 2800.000	2900.000	3000.000	3100.000
	- Time-Average Concentration -			
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447761E-22	.447761E-22	.447762E-22	.447762E-22
170.000	.388475E-21	.401438E-21	.414202E-21	.426754E-21
160.000	.646656E-21	.657199E-21	.666711E-21	.675229E-21
150.000	.714353E-21	.714510E-21	.713578E-21	.711662E-21
140.000	.302018E-13	.154259E-13	.807494E-14	.432687E-14
130.000	.697743E-07	.499099E-07	.361609E-07	.265194E-07
120.000	.429158E-03	.363049E-03	.309052E-03	.264661E-03
110.000	.755479E-01	.697026E-01	.644800E-01	.598021E-01
100.000	1.18824	1.14347	1.10128	1.06156
90.000	2.82775	2.75581	2.68640	2.61958
80.000	1.18824	1.14346	1.10128	1.06156
70.000	.755472E-01	.697020E-01	.644795E-01	.598017E-01
60.000	.429151E-03	.363043E-03	.309047E-03	.264657E-03
50.000	.697731E-07	.499089E-07	.361601E-07	.265187E-07
40.000	.302008E-13	.154251E-13	.807460E-14	.432664E-14
30.000	.714353E-21	.714510E-21	.713578E-21	.711662E-21
20.000	.646656E-21	.657199E-21	.666711E-21	.675228E-21
10.000	.388474E-21	.401437E-21	.414201E-21	.426753E-21
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 3200.000	3300.000	3400.000	3500.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000

Table 4 (cont.)

NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 3200.000	3300.000	3400.000	3500.000
	- Time-Average Concentration -			
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447762E-22	.447762E-22	.447762E-22	.447762E-22
170.000	.439079E-21	.451166E-21	.463005E-21	.474587E-21
160.000	.682789E-21	.689431E-21	.695196E-21	.700123E-21
150.000	.708863E-21	.705331E-21	.701063E-21	.696184E-21
140.000	.237054E-14	.132642E-14	.757242E-15	.440646E-15
130.000	.196740E-07	.147561E-07	.111831E-07	.855939E-08
120.000	.227939E-03	.197378E-03	.171799E-03	.150271E-03
110.000	.556015E-01	.518198E-01	.484068E-01	.454047E-01
100.000	1.02415	.991049	.957260	.925561
90.000	2.55538	2.49835	2.43800	2.38049
80.000	1.02415	.991045	.957257	.925557
70.000	.556010E-01	.518194E-01	.484064E-01	.454044E-01
60.000	.227936E-03	.197375E-03	.171796E-03	.150269E-03
50.000	.196734E-07	.147557E-07	.111828E-07	.855917E-08
40.000	.237043E-14	.132637E-14	.757216E-15	.440625E-15
30.000	.708863E-21	.705331E-21	.701064E-21	.696184E-21
20.000	.682789E-21	.689431E-21	.695196E-21	.700123E-21
10.000	.439078E-21	.451165E-21	.463004E-21	.474586E-21
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 3600.000	3700.000	3800.000	3900.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000

Table 4 (cont.)

NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -
3600.000 3700.000 3800.000 3900.000

```
Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      270.000   .000000      .000000      .000000      .000000
      260.000   .000000      .000000      .000000      .000000
      250.000   .000000      .000000      .000000      .000000
      240.000   .000000      .000000      .000000      .000000
      230.000   .000000      .000000      .000000      .000000
      220.000   .000000      .000000      .000000      .000000
      210.000   .000000      .000000      .000000      .000000
      200.000   .000000      .000000      .000000      .000000
      190.000   .000000      .000000      .000000      .000000
      180.000   .447762E-22  .447762E-22  .447763E-22  .447763E-22
      170.000   .485903E-21  .496946E-21  .507711E-21  .518191E-21
      160.000   .704255E-21  .707631E-21  .710292E-21  .712279E-21
      150.000   .690769E-21  .684890E-21  .678612E-21  .671997E-21
      140.000   .261127E-15  .157451E-15  .965210E-16  .601115E-16
      130.000   .661307E-08  .515519E-08  .405305E-08  .321245E-08
      120.000   .132057E-03  .116570E-03  .103531E-03  .921090E-04
      110.000   .425784E-01  .400142E-01  .376813E-01  .355531E-01
      100.000   .895771      .867729      .841291      .816330
       90.000   2.32563      2.27325      2.22317      2.17525
       80.000   .895767      .867725      .841288      .816326
       70.000   .425780E-01  .400138E-01  .376810E-01  .355528E-01
       60.000   .132055E-03  .116568E-03  .103530E-03  .921074E-04
       50.000   .661290E-08  .515506E-08  .405294E-08  .321234E-08
       40.000   .261113E-15  .157444E-15  .965174E-16  .601086E-16
       30.000   .690769E-21  .684890E-21  .678612E-21  .671997E-21
       20.000   .704255E-21  .707631E-21  .710292E-21  .712279E-21
       10.000   .485902E-21  .496945E-21  .507710E-21  .518190E-21
         .000   .000000      .000000      .000000      .000000

                             - X Axis  (Meters)  -
                  4000.000     4100.000     4200.000     4300.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      360.000   .000000      .000000      .000000      .000000
      350.000   .000000      .000000      .000000      .000000
      340.000   .000000      .000000      .000000      .000000
      330.000   .000000      .000000      .000000      .000000
      320.000   .000000      .000000      .000000      .000000
      310.000   .000000      .000000      .000000      .000000
      300.000   .000000      .000000      .000000      .000000
      290.000   .000000      .000000      .000000      .000000
      280.000   .000000      .000000      .000000      .000000
      270.000   .000000      .000000      .000000      .000000
```


Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

```
                             - X Axis  (Meters)  -
                  4000.000     4100.000     4200.000     4300.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      260.000   .000000      .000000      .000000      .000000
      250.000   .000000      .000000      .000000      .000000
      240.000   .000000      .000000      .000000      .000000
```

230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447763E-22	.447763E-22	.447763E-22	.447763E-22
170.000	.528382E-21	.538281E-21	.547886E-21	.557193E-21
160.000	.713631E-21	.714385E-21	.714580E-21	.714251E-21
150.000	.665098E-21	.657967E-21	.650649E-21	.643186E-21
140.000	.380046E-16	.243764E-16	.158515E-16	.104446E-16
130.000	.256593E-08	.206465E-08	.167696E-08	.136730E-08
120.000	.822723E-04	.737621E-04	.663685E-04	.599184E-04
110.000	.336067E-01	.318220E-01	.301819E-01	.286713E-01
100.000	.792729	.770384	.749200	.729094
90.000	2.12935	2.08535	2.04313	2.00259
80.000	.792726	.770380	.749197	.729091
70.000	.336064E-01	.318217E-01	.301816E-01	.286710E-01
60.000	.822709E-04	.737610E-04	.663674E-04	.599173E-04
50.000	.256585E-08	.206459E-08	.167692E-08	.136725E-08
40.000	.380028E-16	.243752E-16	.158509E-16	.104442E-16
30.000	.665098E-21	.657967E-21	.650650E-21	.643186E-21
20.000	.713631E-21	.714385E-21	.714580E-21	.714251E-21
10.000	.528381E-21	.538280E-21	.547885E-21	.557192E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447763E-22	.447763E-22	.447764E-22	.447764E-22
170.000	.566202E-21	.574913E-21	.583324E-21	.591438E-21
160.000	.713432E-21	.712159E-21	.710462E-21	.708373E-21

150.000	.635614E-21	.627968E-21	.620277E-21	.612567E-21
140.000	.696909E-17	.470649E-17	.321532E-17	.222102E-17
130.000	.112208E-08	.926552E-09	.769622E-09	.642875E-09
120.000	.542692E-04	.493033E-04	.449225E-04	.410447E-04
110.000	.272768E-01	.259871E-01	.247919E-01	.236823E-01
100.000	.709987	.691809	.674497	.657991
90.000	1.96363	1.92615	1.89007	1.85533
80.000	.709984	.691806	.674494	.657988
70.000	.272766E-01	.259869E-01	.247917E-01	.236821E-01
60.000	.542683E-04	.493024E-04	.449217E-04	.410440E-04
50.000	.112204E-08	.926524E-09	.769601E-09	.642857E-09
40.000	.696877E-17	.470624E-17	.321515E-17	.222088E-17
30.000	.635615E-21	.627968E-21	.620277E-21	.612568E-21
20.000	.713432E-21	.712159E-21	.710462E-21	.708373E-21
10.000	.566202E-21	.574912E-21	.583324E-21	.591437E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	4800.000	4900.000	5000.000
		- Time-Average Concentration -	
360.000	.000000	.000000	.000000
350.000	.000000	.000000	.000000
340.000	.000000	.000000	.000000
330.000	.000000	.000000	.000000
320.000	.000000	.000000	.000000
310.000	.000000	.000000	.000000
300.000	.000000	.000000	.000000
290.000	.000000	.000000	.000000
280.000	.000000	.000000	.000000
270.000	.000000	.000000	.000000
260.000	.000000	.000000	.000000
250.000	.000000	.000000	.000000

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	4800.000	4900.000	5000.000
		- Time-Average Concentration -	
240.000	.000000	.000000	.000000
230.000	.000000	.000000	.000000
220.000	.000000	.000000	.000000
210.000	.000000	.000000	.000000
200.000	.000000	.000000	.000000
190.000	.000000	.000000	.000000
180.000	.447765E-22	.447764E-22	.447764E-22
170.000	.599253E-21	.606773E-21	.613999E-21
160.000	.705974E-21	.703202E-21	.700124E-21
150.000	.604863E-21	.597185E-21	.589550E-21
140.000	.155053E-17	.109349E-17	.780589E-18
130.000	.539892E-09	.455739E-09	.386591E-09
120.000	.376010E-04	.345334E-04	.317926E-04
110.000	.226502E-01	.216886E-01	.207912E-01
100.000	.642239	.627191	.612803
90.000	1.82183	1.78953	1.75835
80.000	.642236	.627189	.612801
70.000	.226500E-01	.216884E-01	.207910E-01
60.000	.376004E-04	.345329E-04	.317921E-04

```
        50.000   .539877E-09  .455724E-09  .386578E-09
        40.000   .155043E-17  .109343E-17  .780551E-18
        30.000   .604863E-21  .597185E-21  .589550E-21
        20.000   .705974E-21  .703202E-21  .700125E-21
        10.000   .599253E-21  .606772E-21  .613998E-21
          .000   .000000      .000000      .000000

Elapsed run time =     0 hours,  2.12 minutes.

*** end of OBODM ***
```

Table 1

- Program Input Data -

- Program Models Selected -

- Concentration
- Time-average concentration
- Using final cloud rise ht. for all calc. distances.
- Flat terrain is assumed.
- Grid system origin is not added to source rectangular coordinates
- Instantaneous sources can use both stable and adiabatic plume rise.
- Grid receptor system is ---------- Polar

- Print Output Options -

- Print and save data using Detailed processing mode
- Print concentration output units ---------- Micrograms/Cubic Meter

- Receptor Grid System Geometry -

Grid system orientation angle (Degrees) ---------- .0
Receptor X coordinate units ---------- Meters
Y coordinate units ---------- Degrees
Z coordinate units ---------- Meters
X origin ---------- .00
Y origin ---------- .00
X Axis of the grid system (Meters)---------- .00, 100.00,
200.00, 300.00, 400.00, 500.00, 600.00, 700.00,
800.00, 900.00, 1000.00, 1100.00, 1200.00, 1300.00,
1400.00, 1500.00, 1600.00, 1700.00, 1800.00, 1900.00,
2000.00, 2100.00, 2200.00, 2300.00, 2400.00, 2500.00,
2600.00, 2700.00, 2800.00, 2900.00, 3000.00, 3100.00,
3200.00, 3300.00, 3400.00, 3500.00, 3600.00, 3700.00,
3800.00, 3900.00, 4000.00, 4100.00, 4200.00, 4300.00,
4400.00, 4500.00, 4600.00, 4700.00, 4800.00, 4900.00,
5000.00,
Y Axis of the grid system (Degrees)---------- .00, 10.00,
20.00, 30.00, 40.00, 50.00, 60.00, 70.00,
80.00, 90.00, 100.00, 110.00, 120.00, 130.00,
140.00, 150.00, 160.00, 170.00, 180.00, 190.00,
200.00, 210.00, 220.00, 230.00, 240.00, 250.00,
260.00, 270.00, 280.00, 290.00, 300.00, 310.00,
320.00, 330.00, 340.00, 350.00, 360.00,

- Source Geometry/Emission Strength -

Material or fuel/explosive ---------- ANFO
Pollutant/species ---------- SO2
Total number of sources ---------- 1

Source Number	Ident	Reference System	Source Type	Emission Type
1	ANFO SO2	Polar	Volume	Instantaneous

Table 1 (cont.)

- Program Input Data -

```
                    - Source Geometry/Emission Strength -

 Source     X            Y            Z          Release        Emission
 Number Coordinate   Coordinate   Elevation       Height        Strength
 ---------------------------------------------------------------------------
    1          .0  m        .0  d        .0  m      20.1~ m  1.00000E+04 lb
 ~ Means the value is defaulted for each hour of met. data.

 Source Rect. Expan. Dist. / Reference Dist.   /Air Entrain-/Dispersion Coeff.
 Number Crosswind  Vertical/Crosswind  Vertical/ment Coeff. /Crosswind
Vertical

---------------------------------------------------------------------------
    1     50.00 m   50.00 m     .00 m     .00 m       .640      1.000
1.000

 Source     Fuel Heat        Fuel Burn      Fuel Burn   Initial
 Number      Content           Rate           Time      Diameter
 ---------------------------------------------------------------------------
    1        880.0 ca/g   1814370.0 g/s         2.5  s    40.12~ m
 ~ Means the value is defaulted for each hour of met. data.

              - Pollutant/Species Material Characteristics -

 Pollutant/species name ------------------------------------------------- SO2
 Pollutant/species is ----------------------------------------      Gaseous
 Particle material half-life ---------------------------------------  infinite
 Molecular weight (g/g-mol) ----------------------------------------        64.0
 Density of species (  g/m**3) -------------------------------------         1.0
 Ratio of mass of pollutant/species (lb) ----------------------------         2.0
 per mass of fuel or explosive (lb) ---------------------------------       2000.0

                           - Meteorological Data -
                           ( [#-#] min-max limits )

 Year [1900-2099]------------------------------------------------------- 2008
 Month [ 1-12]----------------------------------------------------------  5
 Day [ 1-31]------------------------------------------------------------ 11
 Hour (DST) [00-23]----------------------------------------------------- 1100
 Minute ----------------------------------------------------------------- 44
 Julian day [  1-  1]--------------------------------------------------- 132
 Surface pressure (  mb) [ 600.0-1100.0]-------------------------     1000.00
 Cloud cover (8ths) [0-8]----------------------------------------         .00
 Cloud ceiling ( m) [     .0-20000.0]---------------------------     9999.00
 Net radiation index [-2- 4]-------------------------------------------   0.
 Pasquill stability category [A-F]-------------------------------------- D
♀OBODM 1.3                    ANFO SO2                    11/13/2012 pg    3

                              Table    1 (cont.)

                            - Program Input Data -


                           - Meteorological Data -
                           ( [#-#] min-max limits )

 Wind speed reference height (m) -------------------------------       10.00
 Surface roughness length (cm) [   .00-100.00]------------------        .000
 Vertical grad. of pot. temp. (  C/m) [-5.000- 5.000]---------            .0
 Reference wind speed (  m/s) [  1.0- 50.0]--------------------------  5.000
 Minimum (at 2m) wind speed (m/s) ------------------------------------  4.257
 Air temperature ( C) [-60.0- 60.0]------------------------------   20.000
```

```
 Standard dev. of wind direction angle ( d) [ 1.0000-80.0000]------   8.0000
 Standard dev. wind elevation angle ( d) [ 1.0000-50.0000]---------   4.8000
 Longitudinal turbulence intensity ( d) [ 1.0000-106.4000]---------  10.6400
 Measurement time for std. dev. wind dir. angle ( s) [ 2.5-3600.0]-   600.00
 Air humidity (%) (  .0-100.0)-------------------------------------  50.0
 Surface mixing layer height ( m) [ 1.0-20000.0]------------------    300.00
 Wind direction (From) (deg) [    .0- 360.0]------------------------   270.0
 Wind-direction shear (  d/m) [ -45.0-  45.0]------------------------     .00
 Wind-speed power law exponent [ .000-5.000]-----------------------       .1
 Wind-speed shear (  m/s) [   .00- 20.00]--------------------------- Compute

                         - Other Required Data -

 Averaging time ( s) (time-average con.) -------------------------   3600.00

                       - Input/Output Files Used -

 Input save data file name ----------------------------------- Otay_SO2.INP
 Output save data file name ---------------------------------- OtayBSO2.INP
 Print solution output file name ----------------------------- OtayBSO2.OUT
 Sigma plot output solution file ----------------------------------- O_BL_SO2
♀OBODM 1.3                     ANFO SO2                      11/13/2012 pg    4

                                  Table    2

                       - Maximum Cloud Plume Rise -

 Source                                   Release  Cloud Rise     Total Cloud
 Number                Name               Height     Height    Height
Distance

-------------------------------------------------------------------------------
  1 ANFO SO2                                 20.1 m   229.3 m   249.4 m   920.7
m
♀OBODM 1.3                     ANFO SO2                      11/13/2012 pg    5

                                  Table    3
                 SO2 Peak Concentration (Micrograms/Cubic Meter)


                  (Maximum = 17.208 at x = 800.00, Y = 90.00

                              - X Axis  (Meters)  -
                       .000      100.000      200.000      300.000

 Y Axis  (Degrees)            -       Concentration        -
               ---------------------------------------------------

       360.000   .000000      .000000      .000000      .000000
       350.000   .000000      .000000      .000000      .000000
       340.000   .000000      .000000      .000000      .000000
       330.000   .000000      .000000      .000000      .000000
       320.000   .000000      .000000      .000000      .000000
       310.000   .000000      .000000      .000000      .000000
       300.000   .000000      .000000      .000000      .000000
       290.000   .000000      .000000      .000000      .000000
       280.000   .000000      .000000      .000000      .000000
       270.000   .000000      .000000      .000000      .000000
       260.000   .000000      .000000      .000000      .000000
       250.000   .000000      .000000      .000000      .000000
       240.000   .000000      .000000      .000000      .000000
       230.000   .000000      .000000      .000000      .000000
       220.000   .000000      .000000      .000000      .000000
       210.000   .000000      .000000      .000000      .000000
       200.000   .000000      .000000      .000000      .000000
       190.000   .000000      .000000      .000000      .000000
```

180.000	.000000	1.47177	.121783	.191352E-02
170.000	.000000	1.76000	.223596	.832707E-02
160.000	.000000	2.16030	.437642	.370439E-01
150.000	.000000	2.68247	.864841	.152404
140.000	.000000	3.31951	1.64762	.541125
130.000	.000000	4.03644	2.91662	1.58512
120.000	.000000	4.76355	4.66554	3.72605
110.000	.000000	5.40147	6.61098	6.91647
100.000	.000000	5.84188	8.18918	10.0514
90.000	.000000	5.99952	8.80201	11.3896
80.000	.000000	5.84188	8.18918	10.0514
70.000	.000000	5.40147	6.61098	6.91647
60.000	.000000	4.76355	4.66553	3.72605
50.000	.000000	4.03644	2.91662	1.58512
40.000	.000000	3.31951	1.64762	.541124
30.000	.000000	2.68247	.864839	.152404
20.000	.000000	2.16030	.437642	.370438E-01
10.000	.000000	1.76000	.223596	.832705E-02
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.570925E-05	.323462E-08	.347991E-12	.710904E-17
170.000	.106796E-03	.543124E-06	.123948E-08	.141500E-11
160.000	.162271E-02	.434432E-04	.809425E-06	.116220E-07
150.000	.180387E-01	.165672E-02	.130751E-03	.953692E-05
140.000	.139513	.315165E-01	.670252E-02	.140678E-02
130.000	.737192	.317180	.132295	.548096E-01
120.000	2.65867	1.78727	1.16730	.754979
110.000	6.58733	5.92145	5.15572	4.39848

100.000	11.3054	11.9838	12.2360	12.1434
90.000	13.5251	15.1229	16.2498	16.9212
80.000	11.3054	11.9838	12.2360	12.1434
70.000	6.58732	5.92143	5.15571	4.39847
60.000	2.65866	1.78726	1.16729	.754975
50.000	.737189	.317178	.132295	.548093E-01
40.000	.139512	.315163E-01	.670247E-02	.140677E-02
30.000	.180386E-01	.165670E-02	.130750E-03	.953682E-05
20.000	.162271E-02	.434429E-04	.809417E-06	.116218E-07
10.000	.106795E-03	.543119E-06	.123946E-08	.141497E-11
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651429E-21	.651428E-21	.651428E-21	.651429E-21
170.000	.889101E-15	.334493E-18	.155669E-20	.164989E-20
160.000	.139354E-09	.148690E-11	.148492E-13	.144521E-15
150.000	.677614E-06	.487271E-07	.354665E-08	.269938E-09
140.000	.296296E-03	.642385E-04	.145026E-04	.343286E-05
130.000	.229883E-01	.986024E-02	.435001E-02	.197971E-02
120.000	.488760	.318821	.210359	.140690
110.000	3.70884	3.10832	2.59869	2.17259
100.000	11.8062	11.3065	10.7079	10.0575
90.000	17.2077	17.1839	16.9200	16.4777
80.000	11.8062	11.3065	10.7079	10.0575
70.000	3.70883	3.10831	2.59867	2.17258
60.000	.488758	.318819	.210358	.140689
50.000	.229881E-01	.986016E-02	.434997E-02	.197969E-02
40.000	.296292E-03	.642376E-04	.145024E-04	.343280E-05
30.000	.677605E-06	.487261E-07	.354656E-08	.269930E-09

20.000	.139351E-09	.148686E-11	.148487E-13	.144516E-15
10.000	.889073E-15	.334481E-18	.155669E-20	.164989E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	-	Concentration	-	
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	-	Concentration	-	
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651429E-21	.651429E-21	.651429E-21	.651429E-21
170.000	.174193E-20	.183248E-20	.192127E-20	.200803E-20
160.000	.141682E-17	.144015E-19	.285850E-20	.295054E-20
150.000	.217364E-10	.186612E-11	.171628E-12	.169548E-13
140.000	.855127E-06	.224522E-06	.621461E-07	.181202E-07
130.000	.930559E-03	.451813E-03	.226456E-03	.117052E-03
120.000	.954790E-01	.657735E-01	.459905E-01	.326301E-01
110.000	1.81927	1.52749	1.28687	1.08832
100.000	9.38923	8.72644	8.08475	7.47396
90.000	15.9091	15.2565	14.5535	13.8259
80.000	9.38921	8.72642	8.08473	7.47394
70.000	1.81926	1.52749	1.28686	1.08832
60.000	.954783E-01	.657730E-01	.459901E-01	.326298E-01
50.000	.930547E-03	.451807E-03	.226453E-03	.117050E-03
40.000	.855113E-06	.224518E-06	.621447E-07	.181198E-07
30.000	.217360E-10	.186606E-11	.171623E-12	.169540E-13
20.000	.141676E-17	.144008E-19	.285850E-20	.295054E-20
10.000	.174192E-20	.183248E-20	.192127E-20	.200802E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	-	Concentration	-	

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 1600.000	1700.000	1800.000	1900.000
	- Concentration -			
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651430E-21	.651430E-21	.651430E-21	.651430E-21
170.000	.209253E-20	.217457E-20	.225397E-20	.233059E-20
160.000	.303120E-20	.310084E-20	.315990E-20	.320889E-20
150.000	.180106E-14	.205731E-15	.252494E-16	.332498E-17
140.000	.555796E-08	.179024E-08	.604372E-09	.213398E-09
130.000	.623149E-04	.341215E-04	.191896E-04	.110685E-04
120.000	.234798E-01	.171259E-01	.126541E-01	.946657E-02
110.000	.924218	.788233	.675270	.581025
100.000	6.89971	6.36531	5.87068	5.41549
90.000	13.0934	12.3718	11.6695	10.9946
80.000	6.89970	6.36529	5.87066	5.41548
70.000	.924213	.788229	.675266	.581021
60.000	.234796E-01	.171257E-01	.126540E-01	.946647E-02
50.000	.623140E-04	.341210E-04	.191893E-04	.110682E-04
40.000	.555785E-08	.179021E-08	.604356E-09	.213393E-09
30.000	.180098E-14	.205721E-15	.252482E-16	.332482E-17
20.000	.303120E-20	.310083E-20	.315990E-20	.320889E-20
10.000	.209252E-20	.217457E-20	.225397E-20	.233058E-20
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 2000.000	2100.000	2200.000	2300.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 2000.000	2100.000	2200.000	2300.000
	- Concentration -			
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651430E-21	.651430E-21	.651431E-21	.651431E-21
170.000	.240427E-20	.247489E-20	.254233E-20	.260646E-20
160.000	.324835E-20	.327886E-20	.330099E-20	.331532E-20
150.000	.468964E-18	.706992E-19	.113677E-19	.312580E-20
140.000	.786423E-10	.301846E-10	.120419E-10	.498339E-11
130.000	.653856E-05	.395071E-05	.243865E-05	.153578E-05
120.000	.716524E-02	.548416E-02	.424215E-02	.331456E-02
110.000	.502142	.435867	.379973	.332650
100.000	4.99824	4.61685	4.26897	3.95210
90.000	10.3517	9.74338	9.17099	8.63467
80.000	4.99822	4.61683	4.26896	3.95209
70.000	.502139	.435864	.379970	.332648
60.000	.716517E-02	.548408E-02	.424209E-02	.331452E-02
50.000	.653844E-05	.395062E-05	.243860E-05	.153575E-05
40.000	.786399E-10	.301838E-10	.120416E-10	.498324E-11
30.000	.468939E-18	.706962E-19	.113671E-19	.312580E-20
20.000	.324835E-20	.327886E-20	.330099E-20	.331532E-20
10.000	.240426E-20	.247489E-20	.254233E-20	.260646E-20
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 2400.000	2500.000	2600.000	2700.000
	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	2400.000	2500.000	2600.000	2700.000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651431E-21	.651431E-21	.651431E-21	.651431E-21
170.000	.266708E-20	.272378E-20	.277654E-20	.282946E-20
160.000	.332244E-20	.332291E-20	.331728E-20	.330609E-20
150.000	.306848E-20	.300712E-20	.294261E-20	.287568E-20
140.000	.213526E-11	.945547E-12	.432033E-12	.203324E-12
130.000	.985693E-06	.644067E-06	.428026E-06	.289038E-06
120.000	.261465E-02	.208133E-02	.167114E-02	.135284E-02
110.000	.292430	.258116	.228728	.203465
100.000	3.66373	3.40140	3.16275	2.94559
90.000	8.13379	7.66714	7.23318	6.83011
80.000	3.66372	3.40138	3.16274	2.94558
70.000	.292428	.258114	.228726	.203463
60.000	.261462E-02	.208130E-02	.167112E-02	.135283E-02
50.000	.985672E-06	.644054E-06	.428017E-06	.289031E-06
40.000	.213518E-11	.945511E-12	.432019E-12	.203318E-12
30.000	.306848E-20	.300713E-20	.294261E-20	.287568E-20
20.000	.332244E-20	.332291E-20	.331729E-20	.330609E-20
10.000	.266708E-20	.272378E-20	.277654E-20	.282945E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	2800.000	2900.000	3000.000	3100.000
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	2800.000	2900.000	3000.000	3100.000
290.000	.000000	.000000	.000000	.000000

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651431E-21	.651431E-21	.651432E-21	.651432E-21
170.000	.287936E-20	.292626E-20	.297021E-20	.301124E-20
160.000	.328984E-20	.326902E-20	.324409E-20	.321547E-20
150.000	.280700E-20	.273717E-20	.266667E-20	.259596E-20
140.000	.984160E-13	.489238E-13	.249435E-13	.130267E-13
130.000	.198157E-06	.137812E-06	.971540E-07	.693780E-07
120.000	.110375E-02	.907231E-03	.750989E-03	.625851E-03
110.000	.181666	.162787	.146378	.132064
100.000	2.74785	2.56764	2.40323	2.25305
90.000	6.45600	6.10888	5.78680	5.48786
80.000	2.74784	2.56763	2.40322	2.25304
70.000	.181664	.162785	.146376	.132063
60.000	.110373E-02	.907218E-03	.750977E-03	.625842E-03
50.000	.198153E-06	.137809E-06	.971518E-07	.693762E-07
40.000	.984126E-13	.489215E-13	.249425E-13	.130260E-13
30.000	.280700E-20	.273717E-20	.266667E-20	.259596E-20
20.000	.328984E-20	.326902E-20	.324409E-20	.321547E-20
10.000	.287935E-20	.292626E-20	.297021E-20	.301123E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

3200.000 3300.000 3400.000 3500.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

3200.000 3300.000 3400.000 3500.000

Y Axis (Degrees) - Concentration -

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000

200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651432E-21	.651432E-21	.651432E-21	.651433E-21
170.000	.304940E-20	.308474E-20	.311733E-20	.314722E-20
160.000	.318359E-20	.314880E-20	.311149E-20	.307195E-20
150.000	.252539E-20	.245549E-20	.238620E-20	.231790E-20
140.000	.696030E-14	.380055E-14	.211856E-14	.120441E-14
130.000	.501519E-07	.366764E-07	.271186E-07	.202627E-07
120.000	.524918E-03	.442956E-03	.375969E-03	.320883E-03
110.000	.119535	.108530	.988309E-01	.904267E-01
100.000	2.11567	1.99408	1.87732	1.77031
90.000	5.21023	4.96129	4.71856	4.49321
80.000	2.11566	1.99408	1.87731	1.77030
70.000	.119534	.108529	.988301E-01	.904260E-01
60.000	.524910E-03	.442949E-03	.375963E-03	.320878E-03
50.000	.501504E-07	.366753E-07	.271181E-07	.202622E-07
40.000	.695996E-14	.380042E-14	.211848E-14	.120435E-14
30.000	.252539E-20	.245549E-20	.238620E-20	.231790E-20
20.000	.318359E-20	.314881E-20	.311149E-20	.307196E-20
10.000	.304939E-20	.308474E-20	.311733E-20	.314722E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

3600.000 3700.000 3800.000 3900.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

3600.000 3700.000 3800.000 3900.000

Y Axis (Degrees) - Concentration -

270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651433E-21	.651432E-21	.651433E-21	.651433E-21
170.000	.317449E-20	.319920E-20	.322142E-20	.324123E-20
160.000	.303052E-20	.298746E-20	.294303E-20	.289748E-20
150.000	.225076E-20	.218495E-20	.212059E-20	.205777E-20
140.000	.697666E-15	.411406E-15	.246768E-15	.150441E-15
130.000	.152916E-07	.116499E-07	.895593E-08	.694435E-08

120.000	.275314E-03	.237404E-03	.206083E-03	.179294E-03
110.000	.827665E-01	.759625E-01	.698985E-01	.644768E-01
100.000	1.67203	1.58156	1.49811	1.42098
90.000	4.28363	4.08838	3.90618	3.73590
80.000	1.67202	1.58155	1.49810	1.42097
70.000	.827657E-01	.759618E-01	.698979E-01	.644763E-01
60.000	.275309E-03	.237401E-03	.206080E-03	.179291E-03
50.000	.152912E-07	.116496E-07	.895570E-08	.694412E-08
40.000	.697630E-15	.411387E-15	.246758E-15	.150434E-15
30.000	.225076E-20	.218495E-20	.212059E-20	.205777E-20
20.000	.303052E-20	.298746E-20	.294303E-20	.289748E-20
10.000	.317449E-20	.319920E-20	.322142E-20	.324123E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)	- Concentration -			
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651434E-21	.651433E-21	.651433E-21	.651434E-21
170.000	.325870E-20	.327390E-20	.328692E-20	.329783E-20
160.000	.285101E-20	.280384E-20	.275613E-20	.270805E-20
150.000	.199658E-20	.193706E-20	.187925E-20	.182318E-20
140.000	.931492E-16	.585373E-16	.373105E-16	.241057E-16
130.000	.542887E-08	.427739E-08	.340337E-08	.271947E-08
120.000	.156682E-03	.137501E-03	.121154E-03	.107158E-03
110.000	.596145E-01	.552411E-01	.512965E-01	.477293E-01
100.000	1.34955	1.28330	1.22172	1.16441
90.000	3.57652	3.42712	3.28689	3.15510
80.000	1.34955	1.28329	1.22172	1.16441
70.000	.596140E-01	.552406E-01	.512960E-01	.477288E-01
60.000	.156680E-03	.137499E-03	.121152E-03	.107156E-03
50.000	.542872E-08	.427727E-08	.340329E-08	.271938E-08

40.000	.931450E-16	.585344E-16	.373091E-16	.241048E-16
30.000	.199658E-20	.193706E-20	.187925E-20	.182318E-20
20.000	.285101E-20	.280384E-20	.275613E-20	.270806E-20
10.000	.325870E-20	.327390E-20	.328692E-20	.329782E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651434E-21	.651434E-21	.651435E-21	.651435E-21
170.000	.330670E-20	.331361E-20	.331865E-20	.332187E-20
160.000	.265976E-20	.261138E-20	.256304E-20	.251485E-20
150.000	.176885E-20	.171627E-20	.166541E-20	.161626E-20
140.000	.157775E-16	.104556E-16	.701166E-17	.475597E-17
130.000	.218802E-08	.177204E-08	.144416E-08	.118401E-08
120.000	.951225E-04	.847314E-04	.757246E-04	.678882E-04
110.000	.444951E-01	.415559E-01	.388784E-01	.364342E-01
100.000	1.11098	1.06109	1.01444	.970755
90.000	3.03107	2.91422	2.80400	2.69992
80.000	1.11097	1.06108	1.01443	.970751
70.000	.444947E-01	.415555E-01	.388781E-01	.364338E-01
60.000	.951209E-04	.847300E-04	.757233E-04	.678870E-04
50.000	.218796E-08	.177199E-08	.144413E-08	.118397E-08
40.000	.157768E-16	.104551E-16	.701129E-17	.475568E-17
30.000	.176886E-20	.171627E-20	.166541E-20	.161627E-20
20.000	.265976E-20	.261139E-20	.256304E-20	.251485E-20
10.000	.330670E-20	.331361E-20	.331865E-20	.332187E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4800.000 4900.000 5000.000

```
 Y Axis  (Degrees)            -       Concentration        -
              ----------------------------------------------------

       360.000   .000000      .000000      .000000
       350.000   .000000      .000000      .000000
       340.000   .000000      .000000      .000000
       330.000   .000000      .000000      .000000
       320.000   .000000      .000000      .000000
       310.000   .000000      .000000      .000000
       300.000   .000000      .000000      .000000
       290.000   .000000      .000000      .000000
       280.000   .000000      .000000      .000000
       270.000   .000000      .000000      .000000
       260.000   .000000      .000000      .000000
       250.000   .000000      .000000      .000000
♀OBODM 1.3                     ANFO SO2                     11/13/2012 pg   17

                              Table    3 (cont.)
                 SO2 Peak Concentration (Micrograms/Cubic Meter)


                  (Maximum = 17.208 at x = 800.00, Y = 90.00

                            - X Axis  (Meters)  -
                   4800.000     4900.000     5000.000
 Y Axis  (Degrees)            -       Concentration        -
              ----------------------------------------------------

       240.000   .000000      .000000      .000000
       230.000   .000000      .000000      .000000
       220.000   .000000      .000000      .000000
       210.000   .000000      .000000      .000000
       200.000   .000000      .000000      .000000
       190.000   .000000      .000000      .000000
       180.000   .651435E-21  .651435E-21  .651435E-21
       170.000   .332336E-20  .332319E-20  .332144E-20
       160.000   .246707E-20  .241949E-20  .237232E-20
       150.000   .156880E-20  .152299E-20  .147880E-20
       140.000   .326135E-17  .225996E-17  .158565E-17
       130.000   .976277E-09  .809400E-09  .674556E-09
       120.000   .610454E-04  .550500E-04  .497796E-04
       110.000   .341979E-01  .321478E-01  .302647E-01
       100.000   .929797      .891344      .855197
        90.000   2.60152      2.50841      2.42021
        80.000   .929793      .891340      .855193
        70.000   .341975E-01  .321475E-01  .302645E-01
        60.000   .610444E-04  .550492E-04  .497788E-04
        50.000   .976249E-09  .809374E-09  .674534E-09
        40.000   .326115E-17  .225984E-17  .158557E-17
        30.000   .156880E-20  .152299E-20  .147880E-20
        20.000   .246708E-20  .241949E-20  .237232E-20
        10.000   .332336E-20  .332319E-20  .332144E-20
          .000   .000000      .000000      .000000
♀OBODM 1.3                     ANFO SO2                     11/13/2012 pg   18

                                 Table    4
        SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)


                 (Maximum = .43573 at x = 1400.00, Y = 90.00

                            - X Axis  (Meters)  -
                       .000      100.000      200.000      300.000

 Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------
```

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.000000	.119014E-01	.984793E-03	.154736E-04
170.000	.000000	.146892E-01	.192442E-02	.738457E-04
160.000	.000000	.185759E-01	.398893E-02	.356891E-03
150.000	.000000	.237038E-01	.829776E-02	.157912E-02
140.000	.000000	.300489E-01	.165279E-01	.596672E-02
130.000	.000000	.372921E-01	.303649E-01	.183993E-01
120.000	.000000	.447327E-01	.500179E-01	.450263E-01
110.000	.000000	.513284E-01	.723905E-01	.860334E-01
100.000	.000000	.559149E-01	.908261E-01	.127229
90.000	.000000	.575627E-01	.980414E-01	.145011
80.000	.000000	.559149E-01	.908261E-01	.127229
70.000	.000000	.513284E-01	.723905E-01	.860334E-01
60.000	.000000	.447327E-01	.500178E-01	.450262E-01
50.000	.000000	.372920E-01	.303648E-01	.183993E-01
40.000	.000000	.300488E-01	.165279E-01	.596671E-02
30.000	.000000	.237038E-01	.829774E-02	.157912E-02
20.000	.000000	.185759E-01	.398893E-02	.356890E-03
10.000	.000000	.146892E-01	.192442E-02	.738455E-04
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.461676E-07	.261566E-10	.281401E-14	.574869E-19
170.000	.975110E-06	.510211E-08	.119714E-10	.140424E-13
160.000	.164838E-04	.464261E-06	.908192E-08	.136669E-09
150.000	.200925E-03	.197609E-04	.166470E-05	.129276E-06
140.000	.167990E-02	.412280E-03	.949055E-04	.215459E-04
130.000	.946281E-02	.447672E-02	.204585E-02	.912088E-03
120.000	.358798E-01	.268098E-01	.191270E-01	.133758E-01
110.000	.921696E-01	.925000E-01	.879822E-01	.814148E-01
100.000	.161692	.191354	.213899	.230671
90.000	.194869	.243242	.286340	.324194
80.000	.161692	.191354	.213899	.230670
70.000	.921695E-01	.924998E-01	.879820E-01	.814146E-01
60.000	.358797E-01	.268098E-01	.191269E-01	.133757E-01
50.000	.946278E-02	.447670E-02	.204584E-02	.912082E-03
40.000	.167989E-02	.412278E-03	.949047E-04	.215456E-04
30.000	.200924E-03	.197607E-04	.166468E-05	.129275E-06
20.000	.164837E-04	.464258E-06	.908182E-08	.136667E-09
10.000	.975103E-06	.510205E-08	.119713E-10	.140421E-13
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
800.000 900.000 1000.000 1100.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -
800.000 900.000 1000.000 1100.000

Y Axis (Degrees) - Time-Average Concentration -

340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000

210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526775E-23	.526775E-23	.526775E-23	.526775E-23
170.000	.906051E-17	.349829E-20	.166995E-22	.181455E-22
160.000	.171481E-11	.191203E-13	.199310E-15	.202299E-17
150.000	.976304E-08	.746325E-09	.570456E-10	.454916E-11
140.000	.483050E-05	.111074E-05	.265095E-06	.661435E-07
130.000	.409618E-03	.187311E-03	.877623E-04	.422751E-04
120.000	.931021E-02	.649792E-02	.456775E-02	.324255E-02
110.000	.740111E-01	.665227E-01	.593754E-01	.527838E-01
100.000	.242154	.249045	.252096	.252040
90.000	.356160	.382120	.402306	.417170
80.000	.242154	.249044	.252096	.252039
70.000	.740109E-01	.665225E-01	.593751E-01	.527836E-01
60.000	.931016E-02	.649788E-02	.456773E-02	.324252E-02
50.000	.409615E-03	.187310E-03	.877615E-04	.422746E-04
40.000	.483045E-05	.111072E-05	.265091E-06	.661425E-07
30.000	.976290E-08	.746310E-09	.570442E-10	.454904E-11
20.000	.171477E-11	.191197E-13	.199304E-15	.202291E-17
10.000	.906022E-17	.349816E-20	.166995E-22	.181455E-22
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
1200.000 1300.000 1400.000 1500.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -
1200.000 1300.000 1400.000 1500.000

Y Axis (Degrees) - Time-Average Concentration -

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526775E-23	.526775E-23	.526776E-23	.526776E-23
170.000	.196313E-22	.211527E-22	.227058E-22	.242867E-22
160.000	.206733E-19	.219223E-21	.450474E-22	.480482E-22
150.000	.383021E-12	.343180E-13	.328824E-14	.337880E-15
140.000	.173221E-07	.477021E-08	.138186E-08	.420847E-09

130.000	.209688E-04	.107139E-04	.563717E-05	.305190E-05
120.000	.232789E-02	.169138E-02	.124402E-02	.926171E-03
110.000	.468332E-01	.415336E-01	.368542E-01	.327443E-01
100.000	.249537	.245164	.239407	.232665
90.000	.427285	.433267	.435730	.435258
80.000	.249537	.245164	.239406	.232664
70.000	.468330E-01	.415334E-01	.368540E-01	.327441E-01
60.000	.232787E-02	.169137E-02	.124401E-02	.926161E-03
50.000	.209685E-04	.107138E-04	.563709E-05	.305185E-05
40.000	.173218E-07	.477012E-08	.138182E-08	.420838E-09
30.000	.383014E-12	.343169E-13	.328813E-14	.337865E-15
20.000	.206725E-19	.219211E-21	.450474E-22	.480482E-22
10.000	.196313E-22	.211527E-22	.227058E-22	.242866E-22
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	1600.000	1700.000	1800.000	1900.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	1600.000	1700.000	1800.000	1900.000
	- Time-Average Concentration -			
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526776E-23	.526776E-23	.526776E-23	.526777E-23
170.000	.258916E-22	.275168E-22	.291590E-22	.308151E-22
160.000	.509547E-22	.537554E-22	.564408E-22	.590036E-22
150.000	.372779E-16	.441651E-17	.561473E-18	.764977E-19
140.000	.134588E-09	.451237E-10	.158319E-10	.580145E-11
130.000	.169829E-05	.970206E-06	.568290E-06	.340854E-06
120.000	.697788E-03	.531818E-03	.409846E-03	.319246E-03
110.000	.291456E-01	.259991E-01	.232514E-01	.208481E-01
100.000	.225263	.217480	.209494	.201474
90.000	.432382	.427624	.421345	.413930
80.000	.225262	.217479	.209493	.201474
70.000	.291454E-01	.259989E-01	.232512E-01	.208480E-01
60.000	.697781E-03	.531813E-03	.409842E-03	.319243E-03

50.000	.169827E-05	.970191E-06	.568281E-06	.340848E-06
40.000	.134585E-09	.451229E-10	.158315E-10	.580129E-11
30.000	.372763E-16	.441629E-17	.561447E-18	.764939E-19
20.000	.509547E-22	.537554E-22	.564408E-22	.590035E-22
10.000	.258915E-22	.275168E-22	.291590E-22	.308150E-22
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -

310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526777E-23	.526777E-23	.526777E-23	.526777E-23
170.000	.324822E-22	.341576E-22	.358394E-22	.375261E-22
160.000	.614380E-22	.637401E-22	.659074E-22	.679385E-22
150.000	.111505E-19	.173546E-20	.287800E-21	.815444E-22
140.000	.221586E-11	.880396E-12	.363158E-12	.155225E-12
130.000	.209077E-06	.130993E-06	.837383E-07	.545493E-07
120.000	.251204E-03	.199591E-03	.160054E-03	.129483E-03
110.000	.187452E-01	.169027E-01	.152858E-01	.138642E-01
100.000	.193541	.185785	.178270	.171040
90.000	.405687	.396874	.387703	.378348
80.000	.193541	.185784	.178269	.171040
70.000	.187451E-01	.169026E-01	.152857E-01	.138641E-01
60.000	.251202E-03	.199588E-03	.160052E-03	.129481E-03
50.000	.209073E-06	.130990E-06	.837365E-07	.545482E-07
40.000	.221579E-11	.880372E-12	.363147E-12	.155220E-12
30.000	.111499E-19	.173538E-20	.287783E-21	.815444E-22
20.000	.614380E-22	.637401E-22	.659073E-22	.679384E-22
10.000	.324821E-22	.341576E-22	.358393E-22	.375260E-22
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

```
                    2400.000     2500.000     2600.000     2700.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      360.000   .000000      .000000      .000000      .000000
      350.000   .000000      .000000      .000000      .000000
      340.000   .000000      .000000      .000000      .000000
      330.000   .000000      .000000      .000000      .000000
      320.000   .000000      .000000      .000000      .000000
      310.000   .000000      .000000      .000000      .000000
♀OBODM 1.3                    ANFO SO2                    11/13/2012 pg   24

                             Table    4 (cont.)
        SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)


                (Maximum = .43573 at x = 1400.00, Y = 90.00

                             - X Axis  (Meters)  -
                    2400.000     2500.000     2600.000     2700.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      300.000   .000000      .000000      .000000      .000000
      290.000   .000000      .000000      .000000      .000000
      280.000   .000000      .000000      .000000      .000000
      270.000   .000000      .000000      .000000      .000000
      260.000   .000000      .000000      .000000      .000000
      250.000   .000000      .000000      .000000      .000000
      240.000   .000000      .000000      .000000      .000000
      230.000   .000000      .000000      .000000      .000000
      220.000   .000000      .000000      .000000      .000000
      210.000   .000000      .000000      .000000      .000000
      200.000   .000000      .000000      .000000      .000000
      190.000   .000000      .000000      .000000      .000000
      180.000   .526777E-23  .526777E-23  .526777E-23  .526778E-23
      170.000   .392172E-22  .409143E-22  .425900E-22  .441562E-22
      160.000   .698333E-22  .715925E-22  .732179E-22  .747118E-22
      150.000   .824127E-22  .830817E-22  .835664E-22  .838816E-22
      140.000   .686261E-13  .313263E-13  .147415E-13  .713919E-14
      130.000   .361751E-07  .243982E-07  .167198E-07  .116321E-07
      120.000   .105633E-03  .868665E-04  .719790E-04  .600764E-04
      110.000   .126117E-01  .115059E-01  .105274E-01  .965957E-02
      100.000   .164125      .157540      .151291      .145378
       90.000   .368946      .359605      .350409      .341418
       80.000   .164124      .157539      .151291      .145377
       70.000   .126116E-01  .115058E-01  .105274E-01  .965951E-02
       60.000   .105632E-03  .868654E-04  .719782E-04  .600756E-04
       50.000   .361743E-07  .243977E-07  .167195E-07  .116318E-07
       40.000   .686232E-13  .313251E-13  .147410E-13  .713897E-14
       30.000   .824126E-22  .830817E-22  .835664E-22  .838816E-22
       20.000   .698332E-22  .715925E-22  .732179E-22  .747118E-22
       10.000   .392171E-22  .409142E-22  .425899E-22  .441561E-22
          .000  .000000      .000000      .000000      .000000

                             - X Axis  (Meters)  -
                    2800.000     2900.000     3000.000     3100.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      360.000   .000000      .000000      .000000      .000000
      350.000   .000000      .000000      .000000      .000000
      340.000   .000000      .000000      .000000      .000000
```

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 2800.000	2900.000	3000.000	3100.000
	- Time-Average Concentration -			
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526778E-23	.526778E-23	.526778E-23	.526778E-23
170.000	.457029E-22	.472280E-22	.487297E-22	.502063E-22
160.000	.760772E-22	.773175E-22	.784366E-22	.794387E-22
150.000	.840415E-22	.840600E-22	.839504E-22	.837249E-22
140.000	.355315E-14	.181481E-14	.949992E-15	.509044E-15
130.000	.820874E-08	.587175E-08	.425422E-08	.311993E-08
120.000	.504892E-04	.427116E-04	.363591E-04	.311366E-04
110.000	.888799E-02	.820031E-02	.758589E-02	.703554E-02
100.000	.139793	.134526	.129563	.124889
90.000	.332676	.324213	.316047	.308186
80.000	.139792	.134525	.129562	.124889
70.000	.888791E-02	.820024E-02	.758583E-02	.703549E-02
60.000	.504884E-04	.427110E-04	.363585E-04	.311362E-04
50.000	.820860E-08	.587164E-08	.425413E-08	.311985E-08
40.000	.355303E-14	.181472E-14	.949953E-15	.509016E-15
30.000	.840415E-22	.840600E-22	.839503E-22	.837250E-22
20.000	.760772E-22	.773175E-22	.784366E-22	.794386E-22
10.000	.457028E-22	.472279E-22	.487296E-22	.502062E-22
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 3200.000	3300.000	3400.000	3500.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000

Table 4 (cont.)

SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

Y Axis (Degrees)	- X Axis (Meters) - 3200.000	3300.000	3400.000	3500.000
	- Time-Average Concentration -			
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526779E-23	.526779E-23	.526779E-23	.526779E-23
170.000	.516563E-22	.530783E-22	.544712E-22	.558338E-22
160.000	.803281E-22	.811096E-22	.817877E-22	.823674E-22
150.000	.833956E-22	.829801E-22	.824781E-22	.819040E-22
140.000	.278887E-15	.156049E-15	.890873E-16	.518408E-16
130.000	.231459E-08	.173601E-08	.131565E-08	.100699E-08
120.000	.268164E-04	.232210E-04	.202116E-04	.176789E-04
110.000	.654136E-02	.609645E-02	.569491E-02	.534173E-02
100.000	.120489	.116594	.112619	.108890
90.000	.300634	.293924	.286823	.280058
80.000	.120488	.116594	.112618	.108889
70.000	.654129E-02	.609640E-02	.569487E-02	.534169E-02
60.000	.268160E-04	.232206E-04	.202113E-04	.176787E-04
50.000	.231452E-08	.173596E-08	.131563E-08	.100696E-08
40.000	.278874E-15	.156044E-15	.890843E-16	.518382E-16
30.000	.833957E-22	.829801E-22	.824781E-22	.819040E-22
20.000	.803281E-22	.811095E-22	.817877E-22	.823674E-22
10.000	.516562E-22	.530782E-22	.544711E-22	.558337E-22
.000	.000000	.000000	.000000	.000000

Y Axis (Degrees)	- X Axis (Meters) - 3600.000	3700.000	3800.000	3900.000
	- Time-Average Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000

Table 4 (cont.)

SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

	- X Axis (Meters) - 3600.000	3700.000	3800.000	3900.000

```
Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      270.000   .000000      .000000      .000000      .000000
      260.000   .000000      .000000      .000000      .000000
      250.000   .000000      .000000      .000000      .000000
      240.000   .000000      .000000      .000000      .000000
      230.000   .000000      .000000      .000000      .000000
      220.000   .000000      .000000      .000000      .000000
      210.000   .000000      .000000      .000000      .000000
      200.000   .000000      .000000      .000000      .000000
      190.000   .000000      .000000      .000000      .000000
      180.000   .526779E-23  .526779E-23  .526780E-23  .526780E-23
      170.000   .571651E-22  .584643E-22  .597307E-22  .609636E-22
      160.000   .828535E-22  .832507E-22  .835638E-22  .837976E-22
      150.000   .812669E-22  .805753E-22  .798367E-22  .790584E-22
      140.000   .307209E-16  .185236E-16  .113554E-16  .707194E-17
      130.000   .778009E-09  .606493E-09  .476829E-09  .377936E-09
      120.000   .155362E-04  .137141E-04  .121801E-04  .108364E-04
      110.000   .500922E-02  .470755E-02  .443310E-02  .418272E-02
      100.000   .105385      .102086      .989754E-01  .960388E-01
       90.000   .273604      .267441      .261549      .255912
       80.000   .105384      .102085      .989750E-01  .960384E-01
       70.000   .500917E-02  .470751E-02  .443306E-02  .418269E-02
       60.000   .155359E-04  .137139E-04  .121799E-04  .108362E-04
       50.000   .777988E-09  .606477E-09  .476816E-09  .377923E-09
       40.000   .307192E-16  .185228E-16  .113550E-16  .707160E-17
       30.000   .812669E-22  .805753E-22  .798368E-22  .790584E-22
       20.000   .828535E-22  .832507E-22  .835638E-22  .837976E-22
       10.000   .571650E-22  .584642E-22  .597306E-22  .609635E-22
         .000   .000000      .000000      .000000      .000000

                             - X Axis  (Meters)  -
                  4000.000     4100.000     4200.000     4300.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      360.000   .000000      .000000      .000000      .000000
      350.000   .000000      .000000      .000000      .000000
      340.000   .000000      .000000      .000000      .000000
      330.000   .000000      .000000      .000000      .000000
      320.000   .000000      .000000      .000000      .000000
      310.000   .000000      .000000      .000000      .000000
      300.000   .000000      .000000      .000000      .000000
      290.000   .000000      .000000      .000000      .000000
      280.000   .000000      .000000      .000000      .000000
      270.000   .000000      .000000      .000000      .000000
```


Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

```
                             - X Axis  (Meters)  -
                  4000.000     4100.000     4200.000     4300.000

Y Axis  (Degrees)            - Time-Average Concentration -
              ----------------------------------------------------

      260.000   .000000      .000000      .000000      .000000
      250.000   .000000      .000000      .000000      .000000
      240.000   .000000      .000000      .000000      .000000
```

230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526780E-23	.526780E-23	.526780E-23	.526781E-23
170.000	.621626E-22	.633272E-22	.644571E-22	.655521E-22
160.000	.839566E-22	.840453E-22	.840682E-22	.840295E-22
150.000	.782468E-22	.774079E-22	.765470E-22	.756689E-22
140.000	.447113E-17	.286781E-17	.186488E-17	.122877E-17
130.000	.301874E-09	.242900E-09	.197290E-09	.160859E-09
120.000	.967909E-05	.867790E-05	.780806E-05	.704923E-05
110.000	.395373E-02	.374377E-02	.355081E-02	.337309E-02
100.000	.932622E-01	.906334E-01	.881412E-01	.857758E-01
90.000	.250512	.245336	.240369	.235599
80.000	.932618E-01	.906330E-01	.881409E-01	.857754E-01
70.000	.395369E-02	.374373E-02	.355078E-02	.337306E-02
60.000	.967894E-05	.867776E-05	.780793E-05	.704909E-05
50.000	.301865E-09	.242893E-09	.197285E-09	.160853E-09
40.000	.447092E-17	.286767E-17	.186481E-17	.122873E-17
30.000	.782469E-22	.774079E-22	.765470E-22	.756690E-22
20.000	.839566E-22	.840453E-22	.840682E-22	.840295E-22
10.000	.621625E-22	.633271E-22	.644570E-22	.655520E-22
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526781E-23	.526780E-23	.526781E-23	.526781E-23
170.000	.666121E-22	.676368E-22	.686264E-22	.695809E-22
160.000	.839332E-22	.837834E-22	.835838E-22	.833380E-22

150.000	.747782E-22	.738786E-22	.729738E-22	.720668E-22
140.000	.819892E-18	.553705E-18	.378273E-18	.261296E-18
130.000	.132009E-09	.109006E-09	.905438E-10	.756324E-10
120.000	.638462E-05	.580038E-05	.528500E-05	.482879E-05
110.000	.320904E-02	.305731E-02	.291670E-02	.278616E-02
100.000	.835279E-01	.813893E-01	.793526E-01	.774107E-01
90.000	.231015	.226606	.222362	.218274
80.000	.835275E-01	.813890E-01	.793522E-01	.774104E-01
70.000	.320901E-02	.305728E-02	.291668E-02	.278613E-02
60.000	.638451E-05	.580029E-05	.528490E-05	.482871E-05
50.000	.132005E-09	.109003E-09	.905414E-10	.756302E-10
40.000	.819855E-18	.553675E-18	.378253E-18	.261280E-18
30.000	.747782E-22	.738786E-22	.729738E-22	.720668E-22
20.000	.839332E-22	.837834E-22	.835838E-22	.833380E-22
10.000	.666120E-22	.676367E-22	.686263E-22	.695808E-22
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

Y Axis (Degrees)	4800.000	4900.000	5000.000
	- Time-Average Concentration -		
360.000	.000000	.000000	.000000
350.000	.000000	.000000	.000000
340.000	.000000	.000000	.000000
330.000	.000000	.000000	.000000
320.000	.000000	.000000	.000000
310.000	.000000	.000000	.000000
300.000	.000000	.000000	.000000
290.000	.000000	.000000	.000000
280.000	.000000	.000000	.000000
270.000	.000000	.000000	.000000
260.000	.000000	.000000	.000000
250.000	.000000	.000000	.000000

Table 4 (cont.)
SO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -

Y Axis (Degrees)	4800.000	4900.000	5000.000
	- Time-Average Concentration -		
240.000	.000000	.000000	.000000
230.000	.000000	.000000	.000000
220.000	.000000	.000000	.000000
210.000	.000000	.000000	.000000
200.000	.000000	.000000	.000000
190.000	.000000	.000000	.000000
180.000	.526782E-23	.526782E-23	.526782E-23
170.000	.705004E-22	.713851E-22	.722352E-22
160.000	.830558E-22	.827296E-22	.823676E-22
150.000	.711604E-22	.702570E-22	.693588E-22
140.000	.182415E-18	.128646E-18	.918340E-19
130.000	.635167E-10	.536164E-10	.454813E-10
120.000	.442364E-05	.406275E-05	.374031E-05
110.000	.266473E-02	.255160E-02	.244602E-02
100.000	.755575E-01	.737872E-01	.720945E-01
90.000	.214333	.210533	.206865
80.000	.755572E-01	.737869E-01	.720942E-01
70.000	.266470E-02	.255158E-02	.244600E-02
60.000	.442357E-05	.406269E-05	.374025E-05

```
        50.000   .635149E-10  .536146E-10  .454798E-10
        40.000   .182404E-18  .128639E-18  .918295E-19
        30.000   .711604E-22  .702570E-22  .693589E-22
        20.000   .830558E-22  .827296E-22  .823676E-22
        10.000   .705003E-22  .713850E-22  .722351E-22
          .000   .000000      .000000      .000000

Elapsed run time =     0 hours,  1.35 minutes.

*** end of OBODM ***
```

Appendix F

CALINE4 CO Hot-Spot Dispersion Modeling Data Files

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: ALTA RD AND OTAY MESA RD AMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	5	1.4	.0	10.5
B. NA	2	-150	2	0	AG	5	2.6	.0	9.9
C. ND	2	0	2	150	AG	848	2.7	.0	9.9
D. NE	2	150	2	450	AG	848	1.4	.0	10.5
E. SF	-2	450	-2	150	AG	179	1.4	.0	10.5
F. SA	-2	150	-2	0	AG	179	2.6	.0	9.9
G. SD	-2	0	-2	-150	AG	2	1.9	.0	9.9
H. SE	-2	-150	-2	-450	AG	2	1.4	.0	10.5
I. WF	450	2	150	2	AG	0	1.4	.0	10.5
J. WA	150	2	0	2	AG	0	1.8	.0	9.9
K. WD	0	2	-150	2	AG	177	1.5	.0	9.9
L. WE	-150	2	-450	2	AG	177	1.4	.0	10.5
M. EF	-450	-2	-150	-2	AG	843	1.4	.0	10.5
N. EA	-150	-2	0	-2	AG	0	1.8	.0	9.9
O. ED	0	-2	150	-2	AG	0	1.5	.0	9.9
P. EE	150	-2	450	-2	AG	0	1.4	.0	10.5
Q. NL	0	0	2	-150	AG	0	2.6	.0	9.9
R. SL	0	0	-2	150	AG	0	2.6	.0	9.9
S. WL	0	0	150	2	AG	0	1.8	.0	9.9
T. EL	0	0	-150	-2	AG	843	2.2	.0	9.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: ALTA RD AND OTAY MESA RD AMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8
5. NE7	11	11	1.8
6. SE7	11	-11	1.8
7. SW7	-11	-11	1.8
8. NW7	-11	11	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE3	265.	.5	.0	.0	.2	.0	.0	.0	.0	.0
2. SE3	356.	.6	.0	.0	.4	.0	.0	.0	.0	.0
3. SW3	5.	.5	.0	.0	.2	.0	.0	.1	.0	.0
4. NW3	6.	.4	.0	.0	.2	.0	.0	.1	.0	.0
5. NE7	263.	.4	.0	.0	.1	.0	.0	.0	.0	.0
6. SE7	354.	.3	.0	.0	.3	.0	.0	.0	.0	.0
7. SW7	7.	.4	.0	.0	.2	.0	.0	.0	.0	.0
8. NW7	8.	.3	.0	.0	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: ALTA RD AND OTAY MESA RD AMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
2. SE3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
4. NW3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
6. SE7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: ALTA RD AND OTAY MESA RD PMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	4	1.4	.0	10.5
B. NA	2	-150	2	0	AG	2	1.8	.0	9.9
C. ND	2	0	2	150	AG	145	1.5	.0	9.9
D. NE	2	150	2	450	AG	145	1.4	.0	10.5
E. SF	-2	450	-2	150	AG	645	1.4	.0	10.5
F. SA	-2	150	-2	0	AG	645	2.0	.0	9.9
G. SD	-2	0	-2	-150	AG	3	1.5	.0	9.9
H. SE	-2	-150	-2	-450	AG	3	1.4	.0	10.5
I. WF	450	2	150	2	AG	0	1.4	.0	10.5
J. WA	150	2	0	2	AG	0	2.6	.0	9.9
K. WD	0	2	-150	2	AG	644	2.7	.0	9.9
L. WE	-150	2	-450	2	AG	644	1.4	.0	10.5
M. EF	-450	-2	-150	-2	AG	143	1.4	.0	10.5
N. EA	-150	-2	0	-2	AG	0	2.6	.0	9.9
O. ED	0	-2	150	-2	AG	0	1.9	.0	9.9
P. EE	150	-2	450	-2	AG	0	1.4	.0	10.5
Q. NL	0	0	2	-150	AG	2	1.8	.0	9.9
R. SL	0	0	-2	150	AG	0	1.8	.0	9.9
S. WL	0	0	150	2	AG	0	2.6	.0	9.9
T. EL	0	0	-150	-2	AG	143	2.6	.0	9.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: ALTA RD AND OTAY MESA RD PMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8
5. NE7	11	11	1.8
6. SE7	11	-11	1.8
7. SW7	-11	-11	1.8
8. NW7	-11	11	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE3	266.	.5	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	4.	.5	.0	.0	.0	.0	.0	.3	.0	.0
4. NW3	265.	.5	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	264.	.4	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	5.	.3	.0	.0	.0	.0	.0	.1	.0	.0
8. NW7	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: ALTA RD AND OTAY MESA RD PMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	*	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	*	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	*	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	*	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	*	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. NW7	*	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0

Appendix G

HARP Modeling Assessment Data Files

HARP Project Summary Report 6/2/2020 2:59:29 PM

PROJECT INFORMATION
HARP Version: 19121
Project Name: SRM 12 - OTAY HILLS
Project Output Directory: F:\Work\SRM 12 - Otay Hills\Analysis\HARP\SRM 12 - OTAY HILLS
HARP Database: NA

FACILITY INFORMATION
Origin
X (m):0
Y (m):0
Zone:1
No. of Sources:0
No. of Buildings:0

EMISSION INVENTORY
No. of Pollutants:675
No. of Background Pollutants:0

Emissions

ScrID	StkID	ProID	PolID	PolAbbrev	Multi	Annual Ems (lbs/yr)	MaxHr Ems (lbs/hr)	MWAF
AS1	0	0	1175	Silica, Crystln	1	0.144	1.64E-05	1
AS1	0	0	7440382	Arsenic	1	7.81E-05	8.92E-09	1
AS1	0	0	7440417	Beryllium	1	3.55E-06	4.05E-10	1
AS1	0	0	7440439	Cadmium	1	3.55E-06	4.05E-10	1
AS1	0	0	7440473	Chromium	1	9.95E-05	1.14E-08	1
AS1	0	0	7440508	Copper	1	0.000131	1.5E-08	1
AS1	0	0	7439921	Lead	1	0.000178	2.03E-08	1
AS1	0	0	7439965	Manganese	1	0.00188	2.15E-07	1
AS1	0	0	7440020	Nickel	1	9.95E-05	1.14E-08	1
AS1	0	0	7782492	Selenium	1	3.55E-06	4.05E-10	1
AS2	0	0	1175	Silica, Crystln	1	0.0269	3.07E-06	1
CBP1	0	0	1175	Silica, Crystln	1	0	0	1
CBP1	0	0	9901	DieselExhPM	1	0	0	1
CBP1	0	0	7440382	Arsenic	1	8.23E-05	9.39E-09	1
CBP1	0	0	7440417	Beryllium	1	3.74E-06	4.27E-10	1
CBP1	0	0	7440439	Cadmium	1	3.74E-06	4.27E-10	1
CBP1	0	0	18540299	Cr(VI)	1	1.87E-05	2.13E-09	1
CBP1	0	0	7440473	Chromium	1	0.000217	2.48E-08	1
CBP1	0	0	7440508	Copper	1	0.000112	1.28E-08	1
CBP1	0	0	7439921	Lead	1	4.49E-05	5.12E-09	1
CBP1	0	0	7439965	Manganese	1	0.0015	1.71E-07	1
CBP1	0	0	7440020	Nickel	1	9.35E-05	1.07E-08	1
CBP1	0	0	7782492	Selenium	1	3.74E-06	4.27E-10	1
CBP1	0	0	7440666	Zinc	1	0.000344	3.93E-08	1
CBP2	0	0	1175	Silica, Crystln	1	0	0	1
CBP2	0	0	9901	DieselExhPM	1	0	0	1

CBP2	0	0	7440382	Arsenic	1	0.000147	1.68E-08	1
CBP2	0	0	7440417	Beryllium	1	1.96E-05	2.24E-09	1
CBP2	0	0	7440439	Cadmium	1	9.8E-06	1.12E-09	1
CBP2	0	0	18540299	Cr(VI)	1	2.94E-05	3.36E-09	1
CBP2	0	0	7440473	Chromium	1	0.000255	2.91E-08	1
CBP2	0	0	7440508	Copper	1	0.000225	2.57E-08	1
CBP2	0	0	7439921	Lead	1	0.000147	1.68E-08	1
CBP2	0	0	7439965	Manganese	1	0.000784	8.95E-08	1
CBP2	0	0	7440020	Nickel	1	0.000118	1.34E-08	1
CBP2	0	0	7782492	Selenium	1	9.8E-06	1.12E-09	1
CBP2	0	0	7440666	Zinc	1	0.000294	3.36E-08	1
CBP3	0	0	1175	Silica, Crystln	1	0.192	2.19E-05	1
CBP3	0	0	9901	DieselExhPM	1	0	0	1
CBP3	0	0	7440382	Arsenic	1	2.88E-05	3.29E-09	1
CBP3	0	0	7440417	Beryllium	1	1.92E-06	2.19E-10	1
CBP3	0	0	7440439	Cadmium	1	1.92E-06	2.19E-10	1
CBP3	0	0	18540299	Cr(VI)	1	3.84E-06	4.38E-10	1
CBP3	0	0	7440473	Chromium	1	9.6E-05	1.1E-08	1
CBP3	0	0	7440508	Copper	1	8.83E-05	1.01E-08	1
CBP3	0	0	7439921	Lead	1	6.34E-05	7.23E-09	1
CBP3	0	0	7439965	Manganese	1	0.000806	9.21E-08	1
CBP3	0	0	7440020	Nickel	1	3.46E-05	3.95E-09	1
CBP3	0	0	7782492	Selenium	1	1.92E-06	2.19E-10	1
CBP3	0	0	7440666	Zinc	1	0.000269	3.07E-08	1
CBP4	0	0	1175	Silica, Crystln	1	3.16	0.000361	1
CBP4	0	0	9901	DieselExhPM	1	0	0	1
CBP4	0	0	7440382	Arsenic	1	0.000474	5.41E-08	1
CBP4	0	0	7440417	Beryllium	1	3.16E-05	3.61E-09	1
CBP4	0	0	7440439	Cadmium	1	3.16E-05	3.61E-09	1
CBP4	0	0	18540299	Cr(VI)	1	6.32E-05	7.21E-09	1
CBP4	0	0	7440473	Chromium	1	0.00158	1.8E-07	1
CBP4	0	0	7440508	Copper	1	0.00145	1.66E-07	1
CBP4	0	0	7439921	Lead	1	0.00104	1.19E-07	1
CBP4	0	0	7439965	Manganese	1	0.0133	1.51E-06	1
CBP4	0	0	7439976	Mercury	1	0	0	1
CBP4	0	0	7440020	Nickel	1	0.000569	6.49E-08	1
CBP4	0	0	7782492	Selenium	1	3.16E-05	3.61E-09	1
CBP4	0	0	7440666	Zinc	1	0.00442	5.05E-07	1
CR1	0	0	1175	Silica, Crystln	1	0	0	1
CR1	0	0	9901	DieselExhPM	1	0	0	1
CR1	0	0	7440382	Arsenic	1	0.0154	1.76E-06	1
CR1	0	0	7440417	Beryllium	1	0.0007	7.99E-08	1
CR1	0	0	7440439	Cadmium	1	0.0007	7.99E-08	1
CR1	0	0	18540299	Cr(VI)	1	0	0	1
CR1	0	0	7440473	Chromium	1	0	0	1
CR1	0	0	7440508	Copper	1	0.0259	2.96E-06	1
CR1	0	0	7439921	Lead	1	0.035	4E-06	1
CR1	0	0	7439965	Manganese	1	0.371	2.24E-05	1
CR1	0	0	7439976	Mercury	1	0	0	1
CR1	0	0	7440020	Nickel	1	0.0196	2.24E-06	1

CR1	0	0	7782492	Selenium	1	0.0007	7.99E-08	1
CR1	0	0	7440666	Zinc	1	0.0693	7.91E-06	1
CR2	0	0	1175	Silica, Crystln	1	0	0	1
CR2	0	0	9901	DieselExhPM	1	0	0	1
CR2	0	0	7440382	Arsenic	1	0.00264	3.01E-07	1
CR2	0	0	7440417	Beryllium	1	0.00012	1.37E-08	1
CR2	0	0	7440439	Cadmium	1	0.00012	1.37E-08	1
CR2	0	0	18540299	Cr(VI)	1	0	0	1
CR2	0	0	7440473	Chromium	1	0	0	1
CR2	0	0	7440508	Copper	1	0.00444	5.07E-07	1
CR2	0	0	7439921	Lead	1	0.006	6.85E-07	1
CR2	0	0	7439965	Manganese	1	0.0636	7.26E-06	1
CR2	0	0	7439976	Mercury	1	0	0	1
CR2	0	0	7440020	Nickel	1	0.00336	3.84E-07	1
CR2	0	0	7782492	Selenium	1	0.00012	1.37E-08	1
CR2	0	0	7440666	Zinc	1	0.0119	1.36E-06	1
CR3	0	0	1175	Silica, Crystln	1	0	0	1
CR3	0	0	9901	DieselExhPM	1	0	0	1
CR3	0	0	7440382	Arsenic	1	0.00519	5.93E-07	1
CR3	0	0	7440417	Beryllium	1	0.000236	2.69E-08	1
CR3	0	0	7440439	Cadmium	1	0.000236	2.69E-08	1
CR3	0	0	7440508	Copper	1	0.00873	9.97E-07	1
CR3	0	0	7439921	Lead	1	0.0118	1.35E-06	1
CR3	0	0	7439965	Manganese	1	0.125	1.43E-05	1
CR3	0	0	7440020	Nickel	1	0.00661	7.54E-07	1
CR3	0	0	7782492	Selenium	1	0.000236	2.69E-08	1
CR3	0	0	7440666	Zinc	1	0.0234	2.67E-06	1
CR4	0	0	7440382	Arsenic	1	0.0066	7.53E-07	1
CR4	0	0	7440417	Beryllium	1	0.0003	3.42E-08	1
CR4	0	0	7440439	Cadmium	1	0.0003	3.42E-08	1
CR4	0	0	7440508	Copper	1	0.0111	1.27E-06	1
CR4	0	0	7439921	Lead	1	0.015	1.71E-06	1
CR4	0	0	7439965	Manganese	1	0.159	1.82E-05	1
CR4	0	0	7440020	Nickel	1	0.0084	9.59E-07	1
CR4	0	0	7782492	Selenium	1	0.0003	3.42E-08	1
CR4	0	0	7440666	Zinc	1	0.0297	3.39E-06	1
CR5	0	0	7440382	Arsenic	1	0.0066	7.53E-07	1
CR5	0	0	7440417	Beryllium	1	0.0003	3.42E-08	1
CR5	0	0	7440439	Cadmium	1	0.0003	3.42E-08	1
CR5	0	0	7440508	Copper	1	0.0111	1.27E-06	1
CR5	0	0	7439921	Lead	1	0.015	1.71E-06	1
CR5	0	0	7439965	Manganese	1	0.159	1.82E-05	1
CR5	0	0	7440020	Nickel	1	0.0084	9.59E-07	1
CR5	0	0	7782492	Selenium	1	0.0003	3.42E-08	1
CR5	0	0	7440666	Zinc	1	0.0297	3.39E-06	1
CTB1	0	0	1175	Silica, Crystln	1	9.79	0.00112	1
CTB1	0	0	7440382	Arsenic	1	0.00147	1.68E-07	1
CTB1	0	0	7440417	Beryllium	1	9.79E-05	1.12E-08	1
CTB1	0	0	7440439	Cadmium	1	9.79E-05	1.12E-08	1
CTB1	0	0	18540299	Cr(VI)	1	0.000196	2.24E-08	1

CTB1	0	0	7440473	Chromium	1	0.0049	5.59E-07	1
CTB1	0	0	7440508	Copper	1	0.0045	5.14E-07	1
CTB1	0	0	7439921	Lead	1	0.00323	3.69E-07	1
CTB1	0	0	7439965	Manganese	1	0.0411	4.69E-06	1
CTB1	0	0	7440020	Nickel	1	0.00176	2.01E-07	1
CTB1	0	0	7782492	Selenium	1	9.79E-05	1.12E-08	1
CTB1	0	0	7440666	Zinc	1	0.0137	1.56E-06	1
CTB2	0	0	1175	Silica, Crystln	1	3.14	0.000358	1
CTB2	0	0	7440382	Arsenic	1	0.00047	5.37E-08	1
CTB2	0	0	7440417	Beryllium	1	3.14E-05	3.58E-09	1
CTB2	0	0	7440439	Cadmium	1	3.14E-05	3.58E-09	1
CTB2	0	0	18540299	Cr(VI)	1	6.27E-05	7.16E-09	1
CTB2	0	0	7440473	Chromium	1	0.00157	1.79E-07	1
CTB2	0	0	7440508	Copper	1	0.00144	1.65E-07	1
CTB2	0	0	7439921	Lead	1	0.00103	1.18E-07	1
CTB2	0	0	7439965	Manganese	1	0.0132	1.5E-06	1
CTB2	0	0	7440020	Nickel	1	0.000564	6.44E-08	1
CTB2	0	0	7782492	Selenium	1	3.14E-05	3.58E-09	1
CTB2	0	0	7440666	Zinc	1	0.00439	5.01E-07	1
DST1	0	0	71432	Benzene	1	0.02	2.28E-06	1
DST1	0	0	100414	Ethyl Benzene	1	0.03	3.42E-06	1
DST1	0	0	108883	Toluene	1	0.21	2.4E-05	1
DST1	0	0	108383	m-Xylene	1	0.55	6.28E-05	1
DST1	0	0	95636	1,2,4TriMeBenze	1	0.44	5.02E-05	1
HAUL	0	0	9901	DieselExhPM	1	29.1	0.00332	1
HMA1	0	0	7440382	Arsenic	1	0.336	3.84E-05	1
HMA1	0	0	7440439	Cadmium	1	0.246	2.81E-05	1
HMA1	0	0	18540299	Cr(VI)	1	0.27	3.08E-05	1
HMA1	0	0	7440473	Chromium	1	3.3	0.000377	1
HMA1	0	0	7440508	Copper	1	1.86	0.000212	1
HMA1	0	0	7439921	Lead	1	0.372	4.25E-05	1
HMA1	0	0	7439965	Manganese	1	4.62	0.000527	1
HMA1	0	0	7439976	Mercury	1	0.144	1.64E-05	1
HMA1	0	0	7440020	Nickel	1	37.8	0.00432	1
HMA1	0	0	7782492	Selenium	1	0.21	2.4E-05	1
HMA1	0	0	7440393	Barium	1	3.48	0.000397	1
HMA1	0	0	7440484	Cobalt	1	0.0156	1.78E-06	1
HMA1	0	0	7723140	Phosphorus	1	16.8	0.00192	1
HMA1	0	0	7440224	Silver	1	16.8	0.00192	1
HMA1	0	0	7440280	Thallium	1	0.00246	2.81E-07	1
HMA1	0	0	7440666	Zinc	1	36.6	0.00418	1
HMA1	0	0	83329	Acenaphthene	1	0.84	9.59E-05	1
HMA1	0	0	208968	Acenaphthylene	1	5.16	0.000589	1
HMA1	0	0	120127	Anthracene	1	0.132	1.51E-05	1
HMA1	0	0	56553	B[a]anthracene	1	0.126	1.44E-05	1
HMA1	0	0	205992	B[b]fluoranthen	1	0.06	6.58E-06	1
HMA1	0	0	207089	B[k]fluoranthen	1	0.0246	2.81E-06	1
HMA1	0	0	191242	B[g,h,i]perylen	1	0.024	2.74E-06	1
HMA1	0	0	50328	B[a]P	1	0.00588	6.71E-07	1
HMA1	0	0	192972	B[e]pyrene	1	0.066	7.53E-06	1

HMA1	0	0	218019	Chrysene	1	0.108	1.23E-05	1
HMA1	0	0	206440	Fluoranthene	1	0.366	4.18E-05	1
HMA1	0	0	86737	Fluorene	1	2.28	0.00026	1
HMA1	0	0	193395	In[1,2,3-cd]pyr	1	0.0042	4.79E-07	1
HMA1	0	0	91576	2MeNaphthalene	1	44.4	0.00507	1
HMA1	0	0	91203	Naphthalene	1	54	0.00616	1
HMA1	0	0	198550	Perylene	1	0.00528	6.03E-07	1
HMA1	0	0	85018	Phenanthrene	1	4.56	0.000521	1
HMA1	0	0	129000	Pyrene	1	3.24	3.7E-05	1
HMA1	0	0	71432	Benzene	1	234	0.0267	1
HMA1	0	0	100414	Ethyl Benzene	1	144	0.0164	1
HMA1	0	0	50000	Formaldehyde	1	1860	0.212	1
HMA1	0	0	110543	Hexane	1	552	0.063	1
HMA1	0	0	71556	1,1,1-TCA	1	28.8	0.00329	1
HMA1	0	0	108883	Toluene	1	90	0.0103	1
HMA1	0	0	108383	m-Xylene	1	120	0.0137	1
HMA2	0	0	1175	Silica, Crystln	1	0.0316	3.61E-06	1
HMA2	0	0	11101	PM	1	0.205	2.34E-05	1
HMA2	0	0	83329	Acenaphthene	1	0.000532	6.07E-08	1
HMA2	0	0	208968	Acenaphthylene	1	5.73E-05	6.54E-09	1
HMA2	0	0	120127	Anthracene	1	0.000143	1.64E-08	1
HMA2	0	0	56553	B[a]anthracene	1	3.89E-05	4.44E-09	1
HMA2	0	0	205992	B[b]fluoranthen	1	1.55E-05	1.77E-09	1
HMA2	0	0	207089	B[k]fluoranthen	1	4.5E-06	5.14E-10	1
HMA2	0	0	191242	B[g,h,i]perylen	1	3.89E-06	4.44E-10	1
HMA2	0	0	50328	B[a]P	1	4.7E-06	5.37E-10	1
HMA2	0	0	192972	B[e]pyrene	1	1.6E-05	1.82E-09	1
HMA2	0	0	218019	Chrysene	1	0.000211	2.4E-08	1
HMA2	0	0	53703	D[a,h]anthracen	1	7.56E-07	8.63E-11	1
HMA2	0	0	206440	Fluoranthene	1	0.000102	1.16E-08	1
HMA2	0	0	86737	Fluorene	1	0.00158	1.8E-07	1
HMA2	0	0	193395	In[1,2,3-cd]pyr	1	9.6E-07	1.1E-10	1
HMA2	0	0	91576	2MeNaphthalene	1	0.00487	5.55E-07	1
HMA2	0	0	91203	Naphthalene	1	0.00256	2.92E-07	1
HMA2	0	0	198550	Perylene	1	4.5E-05	5.14E-09	1
HMA2	0	0	85018	Phenanthrene	1	0.00166	1.89E-07	1
HMA2	0	0	129000	Pyrene	1	0.000307	3.5E-08	1
HMA2	0	0	108952	Phenol	1	0.00241	2.75E-07	1
HMA2	0	0	71432	Benzene	1	0.0013	1.48E-07	1
HMA2	0	0	74839	Methyl Bromide	1	0.000239	2.73E-08	1
HMA2	0	0	78933	MEK	1	0.00122	1.4E-07	1
HMA2	0	0	75150	CS2	1	0.000325	3.71E-08	1
HMA2	0	0	75003	Ethyl Chloride	1	5.24E-06	5.98E-10	1
HMA2	0	0	74873	Methyl Chloride	1	0.000374	4.27E-08	1
HMA2	0	0	98828	Cumene	1	0.00247	3.13E-07	1
HMA2	0	0	100414	Ethyl Benzene	1	0.00696	7.95E-07	1
HMA2	0	0	50000	Formaldehyde	1	0.0022	2.51E-07	1
HMA2	0	0	110543	Hexane	1	0.00374	4.27E-07	1
HMA2	0	0	540841	2,2,4TriMePentn	1	4.49E-05	5.13E-09	1
HMA2	0	0	100425	Styrene	1	0.000182	2.08E-08	1

HMA2	0	0	127184	Perc	1	0.000192	2.19E-08	1
HMA2	0	0	108883	Toluene	1	0.00524	5.98E-07	1
HMA2	0	0	75694	TriClFluorMetha	1	3.25E-05	3.71E-09	1
HMA2	0	0	108383	m-Xylene	1	0.0103	1.17E-06	1
HMA2	0	0	95476	o-Xylene	1	0.002	2.28E-07	1
HMA3	0	0	1175	Silica, Crystln	1	0.32	3.65E-05	1
HMA3	0	0	11101	PM	1	1.37	0.000157	1
HMA3	0	0	83329	Acenaphthene	1	0.00643	7.34E-07	1
HMA3	0	0	208968	Acenaphthylene	1	0.000192	2.19E-08	1
HMA3	0	0	120127	Anthracene	1	0.00178	2.03E-07	1
HMA3	0	0	56553	B[a]anthracene	1	0.000767	8.75E-08	1
HMA3	0	0	192972	B[e]pyrene	1	0.00013	1.49E-08	1
HMA3	0	0	218019	Chrysene	1	0.00288	3.29E-07	1
HMA3	0	0	206440	Fluoranthene	1	0.00206	2.35E-07	1
HMA3	0	0	86737	Fluorene	1	0.0138	1.58E-06	1
HMA3	0	0	91576	2MeNaphthalene	1	0.0724	8.26E-06	1
HMA3	0	0	91203	Naphthalene	1	0.0249	2.85E-06	1
HMA3	0	0	198550	Perylene	1	0.000411	4.7E-08	1
HMA3	0	0	85018	Phenanthrene	1	0.0247	2.82E-06	1
HMA3	0	0	129000	Pyrene	1	0.00605	6.9E-07	1
HMA3	0	0	71432	Benzene	1	0.0211	2.4E-06	1
HMA3	0	0	74839	Methyl Bromide	1	0.00322	3.68E-07	1
HMA3	0	0	78933	MEK	1	0.0257	2.93E-06	1
HMA3	0	0	75150	CS2	1	0.0105	1.2E-06	1
HMA3	0	0	75003	Ethyl Chloride	1	0.00263	3E-07	1
HMA3	0	0	74873	Methyl Chloride	1	0.0151	1.73E-06	1
HMA3	0	0	100414	Ethyl Benzene	1	0.25	2.85E-05	1
HMA3	0	0	50000	Formaldehyde	1	0.454	5.18E-05	1
HMA3	0	0	110543	Hexane	1	0.0659	7.52E-06	1
HMA3	0	0	540841	2,2,4TriMePentn	1	0.000204	2.33E-08	1
HMA3	0	0	75092	Methylene Chlor	1	0.0178	2.03E-06	1
HMA3	0	0	100425	Styrene	1	0.00355	4.06E-07	1
HMA3	0	0	108883	Toluene	1	0.0408	4.66E-06	1
HMA3	0	0	108383	m-Xylene	1	0.132	1.5E-05	1
HMA3	0	0	95476	o-Xylene	1	0.0375	4.28E-06	1
HMA4	0	0	50000	Formaldehyde	1	0.159	1.82E-05	1
HSI1	0	0	1175	Silica, Crystln	1	0.0873	9.96E-06	1
HSI1	0	0	7440382	Arsenic	1	9.11E-07	1.04E-10	1
HSI1	0	0	7440417	Beryllium	1	4.14E-08	4.73E-12	1
HSI1	0	0	7440439	Cadmium	1	4.14E-08	4.72E-12	1
HSI1	0	0	7440473	Chromium	1	1.16E-06	1.32E-10	1
HSI1	0	0	7440508	Copper	1	1.53E-06	1.75E-10	1
HSI1	0	0	7439921	Lead	1	2.07E-06	2.36E-10	1
HSI1	0	0	7439965	Manganese	1	2.19E-05	2.5E-09	1
HSI1	0	0	7440020	Nickel	1	1.16E-06	1.32E-10	1
HSI1	0	0	7782492	Selenium	1	4.14E-08	4.73E-12	1
OFFRD	0	0	1175	Silica, Crystln	1	101	0.0115	1
OFFRD	0	0	7440382	Arsenic	1	0.0259	2.95E-06	1
OFFRD	0	0	7440417	Beryllium	1	0.00165	1.89E-07	1
OFFRD	0	0	7440439	Cadmium	1	0.00165	1.89E-07	1

OFFRD	0	0	7440473	Chromium	1	0.0761	8.69E-06	1
OFFRD	0	0	7440508	Copper	1	0.121	1.38E-05	1
OFFRD	0	0	7439921	Lead	1	0.0455	5.2E-06	1
OFFRD	0	0	7439965	Manganese	1	0.863	9.85E-05	1
OFFRD	0	0	7440020	Nickel	1	0.0584	6.67E-06	1
OFFRD	0	0	7782492	Selenium	1	0.00165	1.89E-07	1
OFFRD	0	0	9901	DieselExhPM	1	74.8	0.00854	1
RAP1	0	0	1175	Silica, Crystln	1	0.0509	5.81E-06	1
RAP1	0	0	7440382	Arsenic	1	3.17E-07	3.62E-11	1
RAP1	0	0	7440417	Beryllium	1	1.44E-08	1.64E-12	1
RAP1	0	0	7440439	Cadmium	1	1.44E-08	1.64E-12	1
RAP1	0	0	7440473	Chromium	1	4.03E-07	4.6E-11	1
RAP1	0	0	7440508	Copper	1	5.33E-07	6.08E-11	1
RAP1	0	0	7439921	Lead	1	7.2E-07	8.22E-11	1
RAP1	0	0	7439965	Manganese	1	7.63E-06	8.71E-10	1
RAP1	0	0	7440020	Nickel	1	4.03E-07	4.6E-11	1
RAP1	0	0	7782492	Selenium	1	1.44E-08	1.64E-12	1
RMP	0	0	7440382	Arsenic	1	0.0489	5.58E-06	1
RMP	0	0	7440417	Beryllium	1	0.00222	2.53E-07	1
RMP	0	0	7440439	Cadmium	1	0.00222	2.53E-07	1
RMP	0	0	7440473	Chromium	1	0.0622	7.1E-06	1
RMP	0	0	7440508	Copper	1	0.0822	9.38E-06	1
RMP	0	0	7439921	Lead	1	0.111	1.27E-05	1
RMP	0	0	7439965	Manganese	1	1.18	0.000134	1
RMP	0	0	7440020	Nickel	1	0.0622	7.1E-06	1
RMP	0	0	7782492	Selenium	1	0.00222	2.53E-07	1
ROAD	0	0	1175	Silica, Crystln	1	900	0.103	1
ROAD	0	0	9901	DieselExhPM	1	189	0.0216	1
ROAD	0	0	7440382	Arsenic	1	0.189	2.16E-05	1
ROAD	0	0	7440417	Beryllium	1	0.009	1.03E-06	1
ROAD	0	0	7440439	Cadmium	1	0.009	1.03E-06	1
ROAD	0	0	7440473	Chromium	1	0.225	2.57E-05	1
ROAD	0	0	7440508	Copper	1	0.36	4.11E-05	1
ROAD	0	0	7439921	Lead	1	0.27	3.08E-05	1
ROAD	0	0	7439965	Manganese	1	4.41	0.000504	1
ROAD	0	0	7439976	Mercury	1	0.171	1.95E-05	1
ROAD	0	0	7440020	Nickel	1	0.009	1.03E-06	1
ROAD	0	0	7782492	Selenium	1	0.0897	1.02E-05	1
ROAD	0	0	7440666	Zinc	1	1.01	0.000115	1
SC1	0	0	1175	Silica, Crystln	1	0	0	1
SC1	0	0	7440382	Arsenic	1	0.0296	3.38E-06	1
SC1	0	0	7440417	Beryllium	1	0.00134	1.53E-07	1
SC1	0	0	7440439	Cadmium	1	0.00134	1.53E-07	1
SC1	0	0	7440473	Chromium	1	0	0	1
SC1	0	0	7440508	Copper	1	0.0497	5.68E-06	1
SC1	0	0	7439921	Lead	1	0.0672	7.67E-06	1
SC1	0	0	7439965	Manganese	1	0.712	8.13E-05	1
SC1	0	0	7440020	Nickel	1	0.0376	4.3E-06	1
SC1	0	0	7782492	Selenium	1	0.00134	1.53E-07	1
SC1	0	0	7440666	Zinc	1	0.133	1.52E-05	1

SC4	0	0	1175	Silica, Crystln	1	0	0	1
SC4	0	0	7440382	Arsenic	1	0.0296	3.38E-06	1
SC4	0	0	7440417	Beryllium	1	0.00134	1.53E-07	1
SC4	0	0	7440439	Cadmium	1	0.00134	1.53E-07	1
SC4	0	0	7440473	Chromium	1	0	0	1
SC4	0	0	7440508	Copper	1	0.0497	5.68E-06	1
SC4	0	0	7439921	Lead	1	0.0672	7.67E-06	1
SC4	0	0	7439965	Manganese	1	0.712	8.13E-05	1
SC4	0	0	7440020	Nickel	1	0.0376	4.3E-06	1
SC4	0	0	7782492	Selenium	1	0.00134	1.53E-07	1
SC4	0	0	7440666	Zinc	1	0.133	1.52E-05	1
SC5	0	0	1175	Silica, Crystln	1	0	0	1
SC5	0	0	7440382	Arsenic	1	0.0162	1.85E-06	1
SC5	0	0	7440417	Beryllium	1	0.000735	8.39E-08	1
SC5	0	0	7440439	Cadmium	1	0.000735	8.39E-08	1
SC5	0	0	7440473	Chromium	1	0	0	1
SC5	0	0	7440508	Copper	1	0.0272	3.1E-06	1
SC5	0	0	7439921	Lead	1	0.0368	4.2E-06	1
SC5	0	0	7439965	Manganese	1	0.39	4.45E-05	1
SC5	0	0	7440020	Nickel	1	0.0206	2.35E-06	1
SC5	0	0	7782492	Selenium	1	0.000735	8.31E-06	1
SC5	0	0	7440666	Zinc	1	0.0728	8.31E-06	1
SP1	0	0	1175	Silica, Crystln	1	9.63	0.0011	1
SP1	0	0	7440382	Arsenic	1	0.00193	2.2E-07	1
SP1	0	0	7440417	Beryllium	1	9.63E-05	1.1E-08	1
SP1	0	0	7440439	Cadmium	1	9.63E-05	1.1E-08	1
SP1	0	0	7440473	Chromium	1	0.00482	5.5E-07	1
SP1	0	0	7440508	Copper	1	0.00963	1.1E-06	1
SP1	0	0	7439921	Lead	1	0.00482	5.5E-07	1
SP1	0	0	7439965	Manganese	1	0.0482	5.5E-06	1
SP1	0	0	7440020	Nickel	1	9.63	0.0011	1
SP1	0	0	7782492	Selenium	1	0.0193	2.2E-06	1
SP1	0	0	7440666	Zinc	1	0.0193	2.2E-06	1
SP10	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP10	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP10	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP10	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP10	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP10	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP10	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP10	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP10	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP10	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP10	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP11	0	0	1175	Silica, Crystln	1	1.52	0.000173	1
SP11	0	0	7440382	Arsenic	1	0.000334	3.81E-08	1
SP11	0	0	7440417	Beryllium	1	1.52E-05	1.73E-09	1
SP11	0	0	7440439	Cadmium	1	1.52E-05	1.73E-09	1
SP11	0	0	7440473	Chromium	1	0.000425	4.85E-08	1
SP11	0	0	7440508	Copper	1	0.000562	6.41E-08	1

SP11	0	0	7439921	Lead	1	0.000759	8.67E-08	1
SP11	0	0	7439965	Manganese	1	0.00805	9.19E-07	1
SP11	0	0	7440020	Nickel	1	0.000425	4.85E-08	1
SP11	0	0	7782492	Selenium	1	1.52E-05	1.73E-09	1
SP11	0	0	7440666	Zinc	1	0.00304	3.47E-07	1
SP15	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP15	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP15	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP15	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP15	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP15	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP15	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP15	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP15	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP15	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP15	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP16	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP16	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP16	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP16	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP16	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP16	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP16	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP16	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP16	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP16	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP16	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP17	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP17	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP17	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP17	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP17	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP17	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP17	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP17	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP17	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP17	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP17	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP18	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP18	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP18	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP18	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP18	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP18	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP18	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP18	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP18	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP18	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP18	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP2	0	0	1175	Silica, Crystln	1	6.07	0.000693	1

SP2	0	0	7440382	Arsenic	1	0.00134	1.53E-07	1
SP2	0	0	7440417	Beryllium	1	6.07E-05	6.93E-09	1
SP2	0	0	7440439	Cadmium	1	6.07E-05	6.93E-09	1
SP2	0	0	7440473	Chromium	1	0.0017	1.94E-07	1
SP2	0	0	7440508	Copper	1	0.00225	2.57E-07	1
SP2	0	0	7439921	Lead	1	0.00304	3.47E-07	1
SP2	0	0	7439965	Manganese	1	0.0322	3.67E-06	1
SP2	0	0	7440020	Nickel	1	0.0017	1.94E-07	1
SP2	0	0	7782492	Selenium	1	6.7E-05	6.93E-09	1
SP2	0	0	7440666	Zinc	1	0.0121	1.39E-06	1
SP6	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP6	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP6	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP6	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP6	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP6	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP6	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP6	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP6	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP6	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP6	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP7	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP7	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP7	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP7	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP7	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP7	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP7	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP7	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP7	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP7	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP7	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP8	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP8	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP8	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP8	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP8	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP8	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP8	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP8	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP8	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP8	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP8	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP9	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP9	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP9	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP9	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP9	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP9	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP9	0	0	7439921	Lead	1	0.00214	2.44E-07	1

SP9	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP9	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP9	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP9	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
TC5	0	0	1175	Silica, Crystln	1	0.00892	1.02E-06	1
TC5	0	0	7440382	Arsenic	1	4.86E-06	5.55E-10	1
TC5	0	0	7440417	Beryllium	1	2.21E-07	2.52E-11	1
TC5	0	0	7440439	Cadmium	1	2.21E-07	2.52E-11	1
TC5	0	0	7440473	Chromium	1	6.18E-06	7.06E-10	1
TC5	0	0	7440508	Copper	1	8.17E-06	9.33E-10	1
TC5	0	0	7439921	Lead	1	1.1E-05	1.26E-09	1
TC5	0	0	7439965	Manganese	1	0.000117	1.34E-08	1
TC5	0	0	7440020	Nickel	1	6.18E-06	7.06E-10	1
TC5	0	0	7782492	Selenium	1	2.21E-07	2.52E-11	1
TC5	0	0	7440666	Zinc	1	0	0	1
TC6	0	0	1175	Silica, Crystln	1	0.00167	1.91E-07	1
TC6	0	0	7440382	Arsenic	1	9.11E-07	1.04E-10	1
TC6	0	0	7440417	Beryllium	1	4.14E-08	4.73E-12	1
TC6	0	0	7440439	Cadmium	1	4.14E-08	4.73E-12	1
TC6	0	0	7440473	Chromium	1	1.16E-06	1.32E-10	1
TC6	0	0	7440508	Copper	1	1.53E-06	1.75E-10	1
TC6	0	0	7439921	Lead	1	2.07E-06	2.36E-10	1
TC6	0	0	7439965	Manganese	1	2.19E-05	2.5E-09	1
TC6	0	0	7440020	Nickel	1	1.16E-06	1.32E-10	1
TC6	0	0	7782492	Selenium	1	4.14E-08	4.73E-12	1
TC6	0	0	7440666	Zinc	1	0	0	1
TC7	0	0	1175	Silica, Crystln	1	0.00167	1.91E-07	1
TC7	0	0	7440382	Arsenic	1	0	0	1
TC7	0	0	7440417	Beryllium	1	0	0	1
TC7	0	0	7440439	Cadmium	1	0	0	1
TC7	0	0	7440473	Chromium	1	0	0	1
TC7	0	0	7440508	Copper	1	0	0	1
TC7	0	0	7439921	Lead	1	0	0	1
TC7	0	0	7439965	Manganese	1	0	0	1
TC7	0	0	7440020	Nickel	1	0	0	1
TC7	0	0	7782492	Selenium	1	0	0	1
TC7	0	0	7440666	Zinc	1	0	0	1
TP11	0	0	7440382	Arsenic	1	0.000422	4.82E-08	1
TP11	0	0	7440417	Beryllium	1	1.92E-05	2.19E-09	1
TP11	0	0	7440439	Cadmium	1	1.92E-05	2.19E-09	1
TP11	0	0	7440508	Copper	1	0.00071	8.11E-08	1
TP11	0	0	7439921	Lead	1	0.00096	1.1E-07	1
TP11	0	0	7439965	Manganese	1	0.0102	1.16E-06	1
TP11	0	0	7440020	Nickel	1	0.000538	6.14E-08	1
TP11	0	0	7782492	Selenium	1	1.92E-05	2.19E-09	1
TP11	0	0	7440666	Zinc	1	0.0019	2.17E-07	1
TP12	0	0	7440382	Arsenic	1	0.00148	1.69E-07	1
TP12	0	0	7440417	Beryllium	1	6.72E-05	7.67E-09	1
TP12	0	0	7440439	Cadmium	1	6.72E-05	7.67E-09	1
TP12	0	0	7440508	Copper	1	0.00249	2.84E-07	1

TP12	0	0	7439921	Lead	1	0.00336	3.84E-07	1
TP12	0	0	7439965	Manganese	1	0.0356	4.07E-06	1
TP12	0	0	7440020	Nickel	1	0.00188	2.15E-07	1
TP12	0	0	7782492	Selenium	1	6.72E-05	7.67E-09	1
TP12	0	0	7440666	Zinc	1	0.00665	7.59E-07	1
TP13	0	0	7440382	Arsenic	1	0.00148	1.69E-07	1
TP13	0	0	7440417	Beryllium	1	6.72E-05	7.67E-09	1
TP13	0	0	7440439	Cadmium	1	6.72E-05	7.67E-09	1
TP13	0	0	7440508	Copper	1	0.00249	2.84E-07	1
TP13	0	0	7439921	Lead	1	0.00336	3.84E-07	1
TP13	0	0	7439965	Manganese	1	0.0356	4.07E-06	1
TP13	0	0	7440020	Nickel	1	0.00188	2.15E-07	1
TP13	0	0	7782492	Selenium	1	6.72E-05	7.67E-09	1
TP13	0	0	7440666	Zinc	1	0.00665	7.59E-07	1
TP14	0	0	7440382	Arsenic	1	0.000845	9.64E-08	1
TP14	0	0	7440417	Beryllium	1	3.84E-05	4.38E-09	1
TP14	0	0	7440439	Cadmium	1	3.84E-05	4.38E-09	1
TP14	0	0	7440508	Copper	1	0.00142	1.62E-07	1
TP14	0	0	7439921	Lead	1	0.00192	2.19E-07	1
TP14	0	0	7439965	Manganese	1	0.0204	2.32E-06	1
TP14	0	0	7440020	Nickel	1	0.00108	1.23E-07	1
TP14	0	0	7782492	Selenium	1	3.84E-05	4.38E-09	1
TP14	0	0	7440666	Zinc	1	0.0038	4.34E-07	1
TP15	0	0	7440382	Arsenic	1	0.000845	9.64E-08	1
TP15	0	0	7440417	Beryllium	1	3.84E-05	4.38E-09	1
TP15	0	0	7440439	Cadmium	1	3.84E-05	4.38E-09	1
TP15	0	0	7440508	Copper	1	0.00142	1.62E-07	1
TP15	0	0	7439921	Lead	1	0.00192	2.19E-07	1
TP15	0	0	7439965	Manganese	1	0.0204	2.32E-06	1
TP15	0	0	7440020	Nickel	1	0.00108	1.23E-07	1
TP15	0	0	7782492	Selenium	1	3.84E-05	4.38E-09	1
TP15	0	0	7440666	Zinc	1	0.0038	4.34E-07	1
TP16	0	0	7440382	Arsenic	1	0.00169	1.93E-07	1
TP16	0	0	7440417	Beryllium	1	7.68E-05	8.77E-09	1
TP16	0	0	7440439	Cadmium	1	7.68E-05	8.77E-09	1
TP16	0	0	7440508	Copper	1	0.00284	3.24E-07	1
TP16	0	0	7439921	Lead	1	0.00384	4.38E-07	1
TP16	0	0	7439965	Manganese	1	0.0407	4.65E-06	1
TP16	0	0	7440020	Nickel	1	0.00215	2.45E-07	1
TP16	0	0	7782492	Selenium	1	7.68E-05	8.77E-09	1
TP16	0	0	7440666	Zinc	1	0.0076	8.68E-07	1
TP17	0	0	7440382	Arsenic	1	0.00106	1.21E-07	1
TP17	0	0	7440417	Beryllium	1	4.8E-05	5.48E-09	1
TP17	0	0	7440439	Cadmium	1	4.8E-05	5.48E-09	1
TP17	0	0	7440508	Copper	1	0.00178	2.03E-07	1
TP17	0	0	7439921	Lead	1	0.0024	2.74E-07	1
TP17	0	0	7439965	Manganese	1	0.0254	2.9E-06	1
TP17	0	0	7440020	Nickel	1	0.00134	1.53E-07	1
TP17	0	0	7782492	Selenium	1	4.8E-05	5.48E-09	1
TP17	0	0	7440666	Zinc	1	0.00475	5.42E-07	1

TP18	0	0	7440382	Arsenic	1	0.0027	3.08E-07	1
TP18	0	0	7440417	Beryllium	1	0.000123	1.4E-08	1
TP18	0	0	7440439	Cadmium	1	0.000123	1.4E-08	1
TP18	0	0	7440508	Copper	1	0.00453	5.17E-07	1
TP18	0	0	7439921	Lead	1	0.00613	6.99E-07	1
TP18	0	0	7439965	Manganese	1	0.0649	7.41E-06	1
TP18	0	0	7440020	Nickel	1	0.00343	3.92E-07	1
TP18	0	0	7782492	Selenium	1	0.000123	1.4E-08	1
TP18	0	0	7440666	Zinc	1	0.0121	1.38E-06	1
TP19	0	0	7440382	Arsenic	1	0.0027	3.08E-07	1
TP19	0	0	7440417	Beryllium	1	0.000123	1.4E-08	1
TP19	0	0	7440439	Cadmium	1	0.000123	1.4E-08	1
TP19	0	0	7440508	Copper	1	0.00453	5.17E-07	1
TP19	0	0	7439921	Lead	1	0.00613	6.99E-07	1
TP19	0	0	7439965	Manganese	1	0.0649	7.41E-06	1
TP19	0	0	7440020	Nickel	1	0.00343	3.92E-07	1
TP19	0	0	7782492	Selenium	1	0.000123	1.4E-08	1
TP19	0	0	7440666	Zinc	1	0.0121	1.38E-06	1
TP2	0	0	7440382	Arsenic	1	0.00462	5.27E-07	1
TP2	0	0	7440417	Beryllium	1	0.00021	2.4E-08	1
TP2	0	0	7440439	Cadmium	1	0.00021	2.4E-08	1
TP2	0	0	7440508	Copper	1	0.00777	8.87E-07	1
TP2	0	0	7439921	Lead	1	0.0105	1.2E-06	1
TP2	0	0	7439965	Manganese	1	0.111	1.27E-05	1
TP2	0	0	7440020	Nickel	1	0.00588	6.71E-07	1
TP2	0	0	7782492	Selenium	1	0.00021	2.4E-08	1
TP2	0	0	7440666	Zinc	1	0.0208	2.37E-06	1
TP21	0	0	7440382	Arsenic	1	0.000211	2.41E-08	1
TP21	0	0	7440417	Beryllium	1	9.6E-06	1.1E-09	1
TP21	0	0	7440439	Cadmium	1	9.6E-06	1.1E-09	1
TP21	0	0	7440508	Copper	1	0.000355	4.05E-08	1
TP21	0	0	7439921	Lead	1	0.00048	5.48E-08	1
TP21	0	0	7439965	Manganese	1	0.00509	5.81E-07	1
TP21	0	0	7440020	Nickel	1	0.000269	3.07E-08	1
TP21	0	0	7782492	Selenium	1	9.6E-06	1.1E-09	1
TP21	0	0	7440666	Zinc	1	0.00095	1.08E-07	1
TP3	0	0	7440382	Arsenic	1	0.0123	1.41E-06	1
TP3	0	0	7440417	Beryllium	1	0.00056	6.39E-08	1
TP3	0	0	7440439	Cadmium	1	0.00056	6.39E-08	1
TP3	0	0	7440508	Copper	1	0.0207	2.37E-06	1
TP3	0	0	7439921	Lead	1	0.028	3.2E-06	1
TP3	0	0	7439965	Manganese	1	0.297	3.39E-05	1
TP3	0	0	7440020	Nickel	1	0.0157	1.79E-06	1
TP3	0	0	7782492	Selenium	1	0.000569	6.39E-08	1
TP3	0	0	7440666	Zinc	1	0.0554	6.33E-06	1
TP4	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP4	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP4	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP4	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP4	0	0	7439921	Lead	1	0.0245	2.8E-06	1

TP4	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP4	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP4	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP4	0	0	7440666	Zinc	1	0.0485	5.54E-06	1
TP5	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP5	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP5	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP5	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP5	0	0	7439921	Lead	1	0.0245	2.8E-06	1
TP5	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP5	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP5	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP5	0	0	7440666	Zinc	1	0.0485	5.54E-06	1
TP6	0	0	7440382	Arsenic	1	0.000211	2.41E-08	1
TP6	0	0	7440417	Beryllium	1	9.6E-06	1.1E-09	1
TP6	0	0	7440439	Cadmium	1	9.6E-06	1.1E-09	1
TP6	0	0	7440508	Copper	1	0.000355	4.05E-08	1
TP6	0	0	7439921	Lead	1	0.00048	5.48E-08	1
TP6	0	0	7439965	Manganese	1	0.00509	5.81E-07	1
TP6	0	0	7440020	Nickel	1	0.000269	3.07E-08	1
TP6	0	0	7782492	Selenium	1	9.6E-06	1.1E-09	1
TP6	0	0	7440666	Zinc	1	0.00095	1.08E-07	1
TP7	0	0	7440382	Arsenic	1	0.000211	2.41E-08	1
TP7	0	0	7440417	Beryllium	1	9.6E-06	1.1E-09	1
TP7	0	0	7440439	Cadmium	1	9.6E-06	1.1E-09	1
TP7	0	0	7440508	Copper	1	0.000355	4.05E-08	1
TP7	0	0	7439921	Lead	1	0.00048	5.48E-08	1
TP7	0	0	7439965	Manganese	1	0.00509	5.81E-07	1
TP7	0	0	7440020	Nickel	1	0.000269	3.07E-08	1
TP7	0	0	7782492	Selenium	1	9.6E-06	1.1E-09	1
TP7	0	0	7440666	Zinc	1	0.00095	1.08E-07	1
TP8	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP8	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP8	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP8	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP8	0	0	7439921	Lead	1	0.0245	2.8E-06	1
TP8	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP8	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP8	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP8	0	0	7440666	Zinc	1	0.0485	5.54E-06	1
TP9	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP9	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP9	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP9	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP9	0	0	7439921	Lead	1	0.0245	2.8E-06	1
TP9	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP9	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP9	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP9	0	0	7440666	Zinc	1	0.0485	5.54E-06	1

Background

PolID	PolAbbrev	Conc (ug/m^3)	MWAF

Ground level concentration files (\glc\)

100414MAXHR.txt
100414PER.txt
100425MAXHR.txt
100425PER.txt
108383MAXHR.txt
108383PER.txt
108883MAXHR.txt
108883PER.txt
108952MAXHR.txt
108952PER.txt
110543MAXHR.txt
110543PER.txt
11101MAXHR.txt
11101PER.txt
1175MAXHR.txt
1175PER.txt
120127MAXHR.txt
120127PER.txt
127184MAXHR.txt
127184PER.txt
129000MAXHR.txt
129000PER.txt
18540299MAXHR.txt
18540299PER.txt
191242MAXHR.txt
191242PER.txt
192972MAXHR.txt
192972PER.txt
193395MAXHR.txt
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9901MAXHR.txt
9901PER.txt

POLLUTANT HEALTH INFORMATION
Health Database: C:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH18232
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
1175	Silica, Crystln				3		
7440382	Arsenic	12	1.5	0.2	0.015	3.5E-06	0.015
7440417	Beryllium	8.4			0.007	0.002	
7440439	Cadmium	15			0.02	0.0005	
7440473	Chromium						
7440508	Copper			100			
7439921	Lead	0.042	0.0085				
7439965	Manganese				0.09		0.17
7440020	Nickel	0.91		0.2	0.014	0.011	0.06
7782492	Selenium				20	0.005	
9901	DieselExhPM	1.1			5		
18540299	Cr(VI)	510	0.5		0.2	0.02	
7440666	Zinc						
7439976	Mercury			0.6	0.03	0.00016	0.06
71432	Benzene	0.1		27	3		3
100414	Ethyl Benzene	0.0087			2000		

108883	Toluene			37000	300	
108383	m-Xylene			22000	700	
95636	1,2,4TriMeBenze					
7440393	Barium					
7440484	Cobalt					
7723140	Phosphorus					
7440224	Silver					
7440280	Thallium					
83329	Acenaphthene					
208968	Acenaphthylene					
120127	Anthracene					
56553	B[a]anthracene	0.39	1.2			
205992	B[b]fluoranthen	0.39	1.2			
207089	B[k]fluoranthen	0.39	1.2			
191242	B[g,h,i]perylen					
50328	B[a]P	3.9	12			
192972	B[e]pyrene					
218019	Chrysene	0.039	0.12			
206440	Fluoranthene					
86737	Fluorene					
193395	In[1,2,3-cd]pyr	0.39	1.2			
91576	2MeNaphthalene					
91203	Naphthalene	0.12			9	
198550	Perylene					
85018	Phenanthrene					
129000	Pyrene					
50000	Formaldehyde	0.021		55	9	9
110543	Hexane				7000	
71556	1,1,1-TCA			68000	1000	
11101	PM					
53703	D[a,h]anthracen	4.1	4.1			
108952	Phenol			5800	200	
74839	Methyl Bromide			3900	5	
78933	MEK			13000		
75150	CS2			6200	800	
75003	Ethyl Chloride				30000	
74873	Methyl Chloride					
98828	Cumene					
540841	2,2,4TriMePentn					
100425	Styrene			21000	900	
127184	Perc	0.021		20000	35	
75694	TriClFluorMetha					
95476	o-Xylene			22000	700	
75092	Methylene Chlor	0.0035		14000	400	

AIR DISPERSION MODELING INFORMATION
Versions used in HARP. All executables were obtained from USEPA's Support Center for Regulatory Atmospheric Modeling website (http://www.epa.gov/scram001/)
AERMOD: 18081
AERMAP: 18081

BPIPPRM: 04274
AERPLOT: 13329

METEOROLOGICAL INFORMATION
Version:
Surface File:
Profile File:
Surface Station:
Upper Station:
On-Site Station:

LIST OF AIR DISPERSION FILES
AERMOD Input File:
AERMOD Output File:
AERMOD Error File:
Plotfile list
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LIST OF RISK ASSESSMENT FILES
Health risk analysis files (\hra\)
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0620Res_CancerRiskSumByRec.csv
0620Res_GLCList.csv
0620Res_HRAInput.hra
0620Res_NCAcuteRisk.csv
0620Res_NCAcuteRiskSumByRec.csv
0620Res_NCChronicRisk.csv
0620Res_NCChronicRiskSumByRec.csv
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0620Res_PathwayRec.csv
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0620Wrk_NCChronicRisk.csv
0620Wrk_NCChronicRiskSumByRec.csv
0620Wrk_Output.txt
0620Wrk_PathwayRec.csv
0620Wrk_PolDB.csv

Spatial averaging files (\sa\)
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Appendix H

San Diego County Construction Aggregate Market Study

May 2020

San Diego County Construction Aggregate Market Study

Prepared for the proposed Otay Hills Quarry

Prepared By:

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San Diego, CA 92108
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Table of Contents

1 Introduction **2**

2 Background - San Diego County Aggregate Consumption **2**

3 Future San Diego Aggregate Supply **4**

3.1 Existing and Proposed Mines Supplying Construction Aggregate to San Diego **4**

3.1.1 Existing Mines in San Diego County 4

3.1.2 Proposed Mines in San Diego County 5

3.1.3 Mines Importing Sand to San Diego County 6

4 Future San Diego Aggregate Demand **7**

5 Estimating VMT for Roundtrip Deliveries of Crushed Rock to the Otay Hills Quarry Market **8**

6 Conclusion **11**

List of Tables

Table 1: Existing San Diego County Permitted Aggregate Mines 5
Table 2: Proposed San Diego County Aggregate Mines 6
Table 3: San Diego Sand Imports 6
Table 4: San Diego County Projected Construction Aggregate Demand 8
Table 5: Otay Hills Quarry Market Area Construction Aggregate Demand 10

Appendix: Maps

1 Introduction

This report illustrates the market environment for the construction aggregates industry in San Diego County as of 2018 and identifies projected demand for aggregate through 2050. This information has been developed from published reports and from personal communication with various sources operating in the construction aggregates industry. Using this information within a geographic context helps to identify the Vehicle Miles Traveled (VMT) for delivery of construction aggregates from the point of production to the point of use.

It is useful to understand construction aggregate terms to avoid confusion throughout the report. Construction aggregate is a term used for raw materials used in construction, i.e., crushed rock, sand and gravel. The raw material is used as the primary constituent of products like concrete, stucco, and asphalt, and it is also used as base material beneath rail and transit lines, roads, pipelines, building foundations etc. Construction aggregate is an essential constituent for community infrastructure (e.g. roads, bridges, and utilities) and for buildings (e.g. residences, hospitals, schools, and commercial, industrial and retail centers).

Construction aggregate products are divided into two primary categories: fine and coarse. Fine aggregates have a size of less than 3/8", and coarse aggregates are 3/8" and larger. Fine aggregates are typically sand sized particles that normally originate from alluvial deposits, although sand can be manufactured by crushing coarse aggregate to a smaller size. This manufactured sand must be blended with natural sand to meet specifications for concrete. Coarse aggregates typically refer to crushed rock produced from hard rock or cobble deposits. Fine aggregates from alluvial sources are used in concrete manufacturing and make up about 35% of the total volume of the concrete. The method of extraction of alluvial sand and processing does not require crushing. Coarse aggregates generally require crushing and screening to process the material into different sizes and make up about 45% of the total volume of concrete. In this report, aggregate is used as a general term and includes both fine and coarse aggregates. When the discussion is narrowed to fine aggregate (sand) or coarse aggregate (crushed rock) it will be indicated.

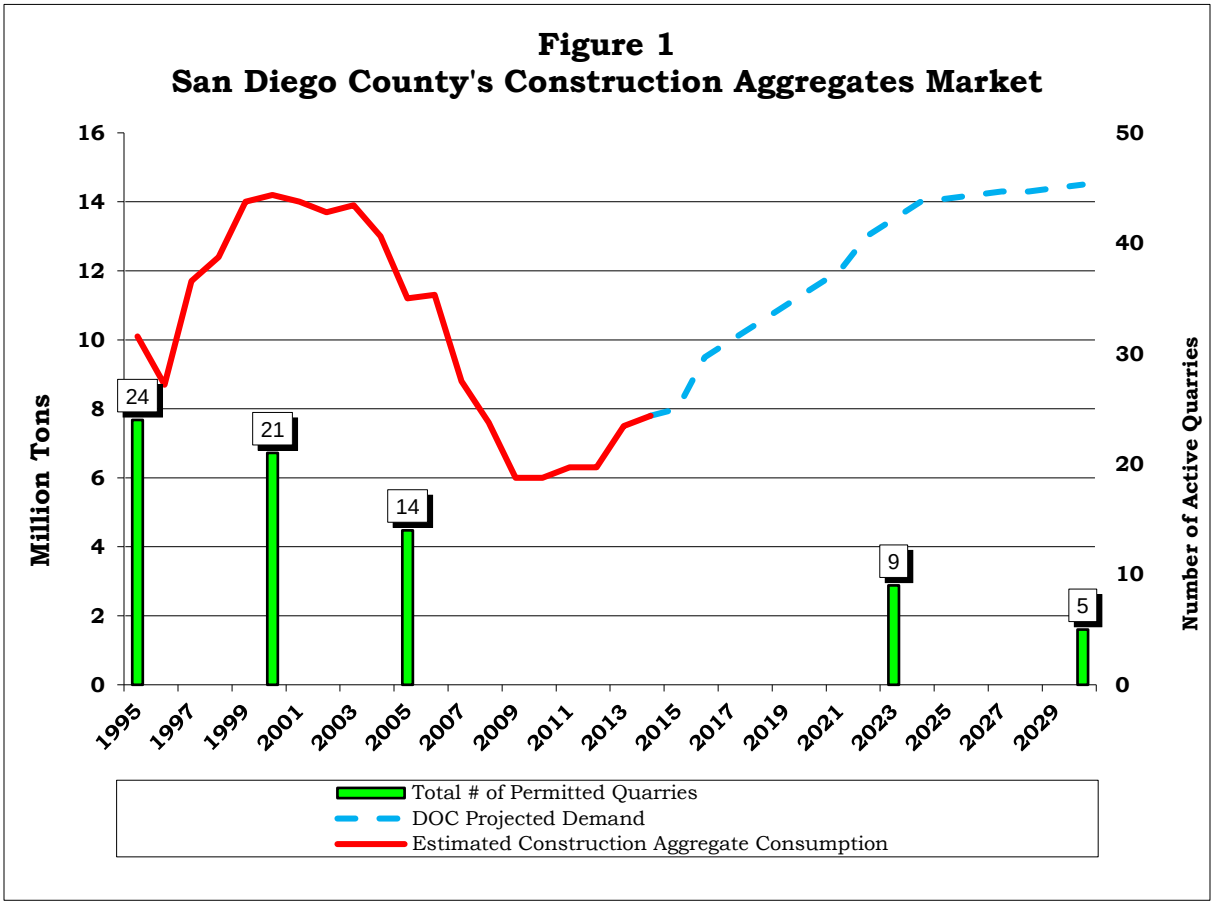
2 Background - San Diego County Aggregate Consumption

Similar to statewide trends, San Diego County experienced peak production in 2006 and saw a reduction in construction aggregate demand during the recession, with a 57 percent drop from 2006 to 2011. Aggregate production fluctuated between 2009 and 2012 but did not consistently increase until 2013 (Figure 1).

Aggregate consumption in the County (column 3 of Table 1) is the sum of all aggregates produced within the County plus imports. San Diego County aggregate production predominantly consists of coarse aggregates. A number of rock quarries dispersed around the County produce coarse aggregates. Only one source of fine aggregates is permitted to operate within the County. This has resulted in the need to import substantial quantities of fine aggregates from production sources located outside of the County. The absence of local San Diego sand mines is well documented. Starting in approximately 1990, San Diego County Quarries were unable to meet local demand for fine aggregates and imports were relied upon to satisfy production

shortfalls, although some facilities crush coarse aggregate to make manufactured sand. While some coarse aggregate imports are known to occur, local sources are generally available to satisfy demand. The information discussed in this section is supported by the California Department of Conservation (DOC) which reported that between 1980 and 1995, the number of sand mines was reduced from 25 to 8 and permitted reserves fell from 121-million tons to 55-million tons[1]. The DOC updated the Mineral Land Classification report for Western San Diego County in 2017 and assessed industry activity through 2014.

In total, the 2017 DOC report indicates that there were 18 active crushed rock and sand operations in 2014. However, since the publication of that report, four sand sources have ceased operation, and 1 hard rock facility has closed in San Diego County. Only one new sand operation has been permitted[2]; however, the sand production from this site is small in scale and imports are necessary to satisfy the demand for sand in San Diego County.



[1] Miller, Davis, James F. "Update of Mineral Land Classification: Aggregate Materials in the Western San Diego County Production-Consumption Region." California Department of Conservation, DMG Open-File Report 96-04, 1996.
[2] Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

3 Future San Diego Aggregate Supply

San Diego County is facing a severe shortage of permitted construction aggregate reserves. Permitted reserves are 35% of the estimated 50-year demand[3]. If no new reserves are permitted and the remaining quarries produced enough to satisfy demand (no imports), the existing permitted reserves would be exhausted within 11-20 years. It is important to note that this shortage covers both coarse and fine aggregate products over the long term. As shown in Figure 1, the red line represents the estimated construction aggregate consumption within San Diego County and is followed by the dashed blue line that represents the projected demand for aggregate as estimated by the Department of Conservation (DOC).[4], [5] Figure 1 also illustrates that the number of permitted quarries within San Diego County is expected to decline (green bars), while demand is projected to increase. As a result, imports and or additional permitted sources within the County will be needed to satisfy demand.

3.1 Existing and Proposed Mines Supplying Construction Aggregate to San Diego

3.1.1 Existing Mines in San Diego County

San Diego County currently has 13 active production sites and 2 idle operations and one newly permitted, sand mining site – the East County Sand Mine. There has only been one new quarry of significant size permitted in the last 30 years -- Rosemary's Mountain. This site was in the permitting process for 18 years before finally gaining approval in 2003.

Table 2 lists the status of each production site in the County, including the permit expiration date and whether the site is a crushed rock or sand source. Map 1 illustrates the location of each quarry. The number next to each symbol on the map correlates with the number in the first column in Table 1.

Currently, with an estimated 260 to 308 million tons of reserves, crushed rock is adequately supplied by existing operations located within the County. However, there are specific market areas within the county that may not be well served by existing sources, resulting in material being transported long distances. Although San Diego County is host to significant fine aggregate resources, only 1 million tons are approved for production. The “East County Sand Mine” was approved in 2018 with an estimated reserve of 1 million tons.

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[3] Clinkenbeard, J.P. & F.W. Gius, "Aggregate Sustainability in California." California Geological Survey, Map Sheet 52. 2018.

[4] Miller, Russ. “Update of Mineral Land Classification: Aggregate Material in the Western San Diego County Production-Consumption Region.” California Department of Conservation, Division of Mines and Geology. Open File Report 96-04. 1996.

[5] Gius, F.W., L.L. Busch & R.V. Miller. “Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA.” California Geological Survey. Special Report 240. 2017.

Table 1: Existing San Diego County Permitted Aggregate Mines

Map #	Quarry Name	Commodity	Permit Exp Date	Status
Crushed Rock Quarries in San Diego				
1	Rosemary's Mountain	Crushed Rock	2040	Active
2	Twin Oaks Quarry	Crushed Rock	Vested	Active
3	JEB	Crushed Rock	Vested	Active
4	Inland Valley	Crushed Rock	Vested	Active
5	Carroll Canyon	Crushed Rock	Expired - application to extend	Active
6	Poway	Crushed Rock	2031	Idle
7	Sycamore Landfill	Crushed Rock	2025	Active
8	Mission Gorge Pit	Crushed Rock	2033	Active
9	TTT Quarry	Crushed Rock	Vested	Active
10	Vigilante Quarry	Crushed Rock	2030	Active
11	Slaughterhouse Canyon	Crushed Rock	2020	Idle
12	Jamacha	Crushed Rock	Vested	Active
13	Hester's Granite Quarry	Crushed Rock	Vested	Active
14	Turvey DG Pit	Decomposed Granite	2020	Active
15	Chula Vista Quarry	Crushed Rock	Vested	Active
2019 Estimated Crushed Rock Permitted Reserves in San Diego County 265-308 million tons				
Map #	**Quarry Name**	**Commodity**	**Permit Exp Date**	**Status**
Sand Sources in San Diego County				
16	East County Sand Mine	Sand	2023	Newly Permitted
2019 Estimated Permitted Sand Reserves in San Diego County Approximately 1 million tons				

3.1.2 Proposed Mines in San Diego County

As listed in Table 2, there are three proposed aggregate projects in the permitting process -- Otay Hills in South County, El Monte Sand Mine, and the Cottonwood Sand Mine. Map 1 also illustrates the locations of these proposed projects. Otay Hills is proposed as a coarse aggregate quarry and the remaining two are proposed as fine aggregate operations.

Table 2: Proposed San Diego County Aggregate Mines

Map #	Quarry Name	Operator	Commodity	Proposed Annual Production (mil tons)	Proposed Permitted Reserves (mil tons)
17	Otay Hills Quarry	Superior	Crushed Rock	1	75
18	El Monte Sand Mine	TBD	Sand	1	12.5
19	Cottonwood Sand Mine	TBD	Sand	0.5	5

3.1.3 Mines Importing Sand to San Diego County

Table 3 lists each of the sites that are known to import sand into San Diego County and their locations are also indicated on Map 2. From the south, sand is imported from Mexico by Associated Ready Mix from the Las Palmas Valley site located approximately 30 miles southeast of Tijuana. Personal interviews with employees from Associated indicated that the Las Palmas Valley site is consistently the largest exporter of sand to San Diego County.[6]

From the north, sand imports generally originate from Pacific Aggregates and Werner Corporation located in Lake Elsinore/Temescal Valley/Corona. Limited and inconsistent amounts are also imported from sites located in Riverside and San Bernardino Counties operated by Robertson's and Cemex (Table 3), the Ocotillo area of Imperial County, and Irwindale in Los Angeles County.

Table 3: San Diego Sand Imports

Operator	Site	Location
Associated Ready Mix	Otay Mesa Yard	Otay Mesa: Las Palmas Valley Mexico
Pacific Aggregates	Pacific Aggregates	Lake Elsinore, Riverside County
Chandler/Werner Aggregates	Temescal Valley Operations/Corona	Riverside County
FST	Corona	Riverside County
Robertson's	Banning or Cabazon	Riverside County
Cemex	Lytle Creek	Redlands, Santa Ana Wash
Various	Ocotillo Operations	Imperial County
Various	Irwindale Operations	Los Angeles County

[6] Personal interview with confidential employee, October 2018.

4 Future San Diego Aggregate Demand

Forecasters use population growth to project demand for construction aggregate resources.[7, 8, 9] Map 3 illustrates the expected percentage growth in population within the various regions of San Diego County from 2020-2050. In addition, the total projected population for 2050 is shown. The southern part of the County is expected to grow by the greatest percentage, followed by central or downtown area of the City of San Diego.

The projected total construction aggregate demand for San Diego County was estimated by the DOC and is summarized in Table 4.[10] Table 4 also includes the estimated projections for fine aggregate or sand. The demand for sand is estimated at about 27% of the total construction aggregate demand.[11] The demand for sand is highlighted because it accounts for a significant amount of truck traffic from outside the County. Permitting of new sources of aggregate is necessary to reduce the County's dependence on imports and, as a consequence, reducing vehicle miles traveled.

Although the Otay Hills Quarry will primarily produce coarse aggregate, the site plans to produce some amount of manufactured sand (made by crushing rock down to sand sized particles). This manufactured sand will be used in the production of ready-mix concrete and asphalt. Manufactured sand can substitute up to 50% of the fine aggregate in ready mix concrete, and approximately 25% of the fine aggregate in asphalt. The manufactured sand will reduce the need for fine aggregate imports.

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[7] Robinson, Gilpin R. & William M. Brown. "Sociocultural Dimensions of Supply and Demand for Natural Aggregate – Examples from the Mid-Atlantic Region, United States." U.S. Geological Survey Open-File Report 02-350. 2002.

[8] Davis, James F. "Update of Mineral Land Classification: Aggregate Materials in the Western San Diego County Production-Consumption Region." California Department of Conservation, DMG Open-File Report 96-04, 1996.

[9] Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

[10] Davis, James F. "Update of Mineral Land Classification: Aggregate Materials in the Western San Diego County Production-Consumption Region." California Department of Conservation, DMG Open-File Report 96-04, 1996.

[11] Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

Table 4: San Diego County Projected Construction Aggregate Demand[12]

Year	Total Aggregate/Sand Demand (million tons)	Year	Total Aggregate /Sand Demand (million tons)	Year	Total Aggregate/Sand Demand (million tons)
2022	13.8/3.5	2032	14.7/4.0	2042	15.4/4.2
2023	13.9/3.8	2033	14.8/4.0	2043	15.5/4.2
2024	14.0/3.8	2034	14.8/4.0	2044	15.6/4.2
2025	14.1/3.8	2035	14.94.0	2045	15.6/4.2
2026	14.2/3.8	2036	15.0/4.1	2046	15.7/4.2
2027	14.3/3.9	2037	15.1/4.1	2047	15.8/4.3
2028	14.3/3.9	2038	15.1/4.1	2048	15.8/4.3
2029	14.4/3.9	2039	15.2/4.1	2049	15.94.3
2030	14.5/3.9	2040	15.3/4.1	2050	16.0/4.3
2031	14.6/3.9	2041	15.4/4.2		

5 Estimating VMT for Roundtrip Deliveries of Crushed Rock to the Otay Hills Quarry Market

This section of the construction aggregate market report illustrates the change in Vehicle Miles Traveled that can be expected from transporting crushed rock to satisfy demand within the Otay Hills Quarry Market Area.

The proposed Otay Hills Quarry is located in southern San Diego County within an unincorporated area of East Otay Mesa. The proposed project is located 8.5 miles east of Interstate 805 (I-805)/State Route 905 (SR 905) interchange and 0.5 mile east of the intersection of Otay Mesa Road and Alta Road. The average annual production of crushed rock from the quarry is anticipated to be 1 million tons per year. The project also proposes to locate a ready-mix concrete and asphalt plant at the quarry. The VMT analysis highlights crushed rock as the primary material extracted from the quarry. The focus of VMT is on the supply of crushed rock because it represents the largest volume of materials used in the production of concrete and asphalt. Therefore, distance between the proposed Otay Hills Quarry and the locations that would consume its crushed rock are used to calculate the true impact of VMT.

The concrete plant and asphalt plant to be located at Otay Hills will supply concrete and asphalt to the Otay Hills market. These plants will require the import of cement, asphalt oil and sand to make the concrete and asphalt. The addition of these plants will not change the demand for concrete or asphalt within the market. Thus, the quantity of cement and asphalt oil to be imported or delivered to the market is not

[12] Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

expected to change, and the quantity of cement and asphalt oil in concrete and asphalt is relatively small (approximately 10-15% for concrete and approximately 5% for asphalt). Therefore, this study does not quantify a change in VMT for deliveries of asphalt oil or cement. Additionally, this study does not quantify a change in VMT for sand imported to the concrete and asphalt plants to be located at Otay Hills for the following reasons. First, the Otay Hills concrete plant will source approximately 50% of its fine aggregate from aggregate produced on-site (manufactured sand), and the asphalt plant will source approximately 25% of its fine aggregate from manufacture sand produced on-site. Thus, the VMT for that portion of those materials are reduced. Second, the sand imported for use in the southern portion of San Diego County is imported from Mexico at the Otay Mesa and Tecate border crossings. The concrete plant and asphalt plant at Otay Hills will be closer to the import sites than other concrete or asphalt plants further north, and the VMT for those imports would be reduced. Thus, this study assumes, conservatively, that the change in VMT for the import of sand, cement or asphalt oil to the concrete and asphalt plants to be located at Otay Hills is immaterial or will not change.

Map 4 illustrates the area included in the Otay Hills Quarry Market area. The map shows the location of existing crushed rock quarries, the center point to the market and the location of the proposed Otay Hills Quarry. The round-trip distances from each crushed rock source to the center of the market is also provided. To support the estimate of a VMT analysis for the Otay Hills Quarry, the following assumptions are used:

1. As mentioned in Section 4, population drives the demand for construction aggregate. According to the 2017 DOC Mineral Classification Report referenced earlier, the demand for construction aggregate is 4.3 tons per capita. Using population projection data by Zip Code from the San Diego Association of Governments (SANDAG)[13], the projected demand for materials within the Otay Hills Quarry Market is provided in Table 5. The total construction aggregate demand is estimated using 4.3 tons per capita, then the demand for sand is removed to calculate the total crushed rock demand[14]. The Otay Hills Quarry is a proposed crushed rock source; therefore, the VMT analysis only references truck trips associated with satisfying the crushed rock demand in the market.

[13] http://datasurfer.sandag.org/

[14] The 2017 DOC report estimated sand was 27% of the total aggregate demand in San Diego County. Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

Table 5: Otay Hills Quarry Market Area Construction Aggregate Demand

2020	2025	2030	2035	2040	2045	2050
Population of Otay Hills Quarry Market Area						
698,221	728,696	759,061	789,580	822,717	849,423	878,220
Estimated Annual Demand for Sand/Fine Aggregate (million tons)						
0.8	0.8	0.9	0.9	1.0	1.0	1.0
Estimated Annual Demand for Crushed Rock/Coarse Aggregate (million tons)						
2.2	**2.3**	**2.4**	**2.5**	**2.6**	**2.7**	**2.8**
Estimated Annual Demand for Total Construction Aggregate (million tons)						
3.0	3.1	3.3	3.4	3.5	3.7	3.8

2. Transportation and the distance aggregate is delivered drives the determination of the market area for a construction aggregate quarry. [15] Construction aggregate is a high bulk-low valued commodity and the cost of the aggregate rises in proportion to the distance it is transported. A general rule of thumb is that the delivered cost of aggregates is doubled at 30 miles away from the quarry. The costs of producing aggregate generally are the same from quarry to quarry. If the production from the closest quarry is unable to satisfy 100% of the demand, the quarries located further away will be relied upon to satisfy the remaining demand.

3. Referring to Table 5, the 2020 market for crushed rock within the Otay Hills Quarry Market area is estimated to be 2.2-million tons. It is assumed that the production from the existing quarry located in Chula Vista would supply a portion of this demand. According to the Environmental Impact Report for the project, annual production from the Chula Vista Quarry is estimated at 1.2 million tons a year.[16] Without the Otay Hills Quarry, the remaining demand of 1 million tons will be satisfied by a combination of the quarries located within the red circle (Map 4).

4. Map 4 illustrates the location of each rock quarry that supplies crushed rock to the Otay Hills Quarry Market Area. The round-trip distance to the center of the market from each quarry is illustrated. This reflects the average miles crushed rock is transported to satisfy the 2.2-million tons of demand. The VMT analysis considers the average distance of 57 round-trip miles[17] from all quarries within the red circle to supply 1 million tons of crushed rock. The quarries in the red circle were selected because each site produces at different rates and their production will be used to satisfy demand in other areas of the County. Therefore, the next closest quarry at Jamacha or Mission Gorge may have annual production of less than 1 million tons annually and or their full

[15] Berk, P. "A note on environmental costs of aggregates." Department of Agricultural and Resource Economics, University of California, Berkeley. Paper 994, 2005.

[16] **https://www.chulavistaca.gov/home/showdocument?id=17703**

[17] the average distance of 57 round-trip miles from the eight quarries within the red circle was calculated by adding the round-trip distance for each of the eight quarries and dividing by eight.

production must be dispersed in other areas of the County. Thus, on an average annual basis, the 1million tons would be satisfied by more than one of the quarries within the red circle. The Chula Vista Quarry is assumed to deliver 1.2 million tons at an average of 7 round-trip miles to the center of the market.

5. With the approval of the Otay Hills Quarry, the annual production of 1 million tons of crushed rock would be an average of 20 round-trip miles to supply the market; a reduction of an average of 37 miles from quarries presumed to be delivering material from outside the market.

   It is important to note that the location of crushed rock sources are known; however, the volume of material supplied by each site varies from month-to-month. Actual production is driven by economic activity and company specific demands. This information is considered to be proprietary by the mine operators. As a result, it is difficult to estimate with certainty the exact VMT from each location. To overcome this gap in available information, a good faith analysis of estimated VMT is used to determine the average distance from sources outside the market area and assumes that full production from the quarry does not leave the market.

6 Conclusion

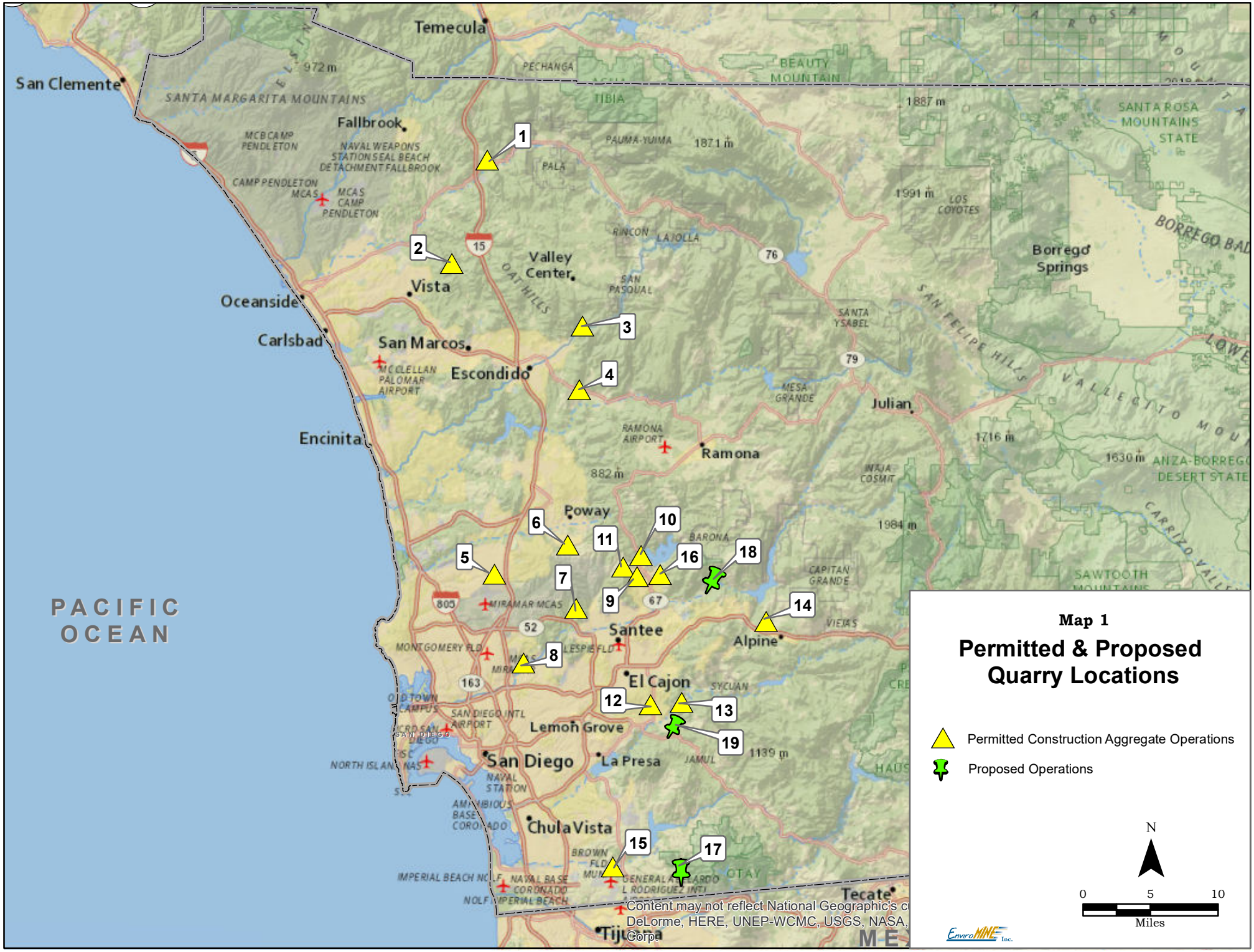
San Diego County is currently experiencing a shortage of permitted aggregate resources. Within the southern region of San Diego County, the demand for aggregate is expected to grow faster than other areas of the County. However, there is only one source of crushed rock in this region. There is an opportunity to reduce the VMT to transport crushed rock resources to the southern region of the County with the proposed Otay Hills Quarry. As a result, San Diego County must permit additional aggregate resources to ensure future demand is met, while at the same time reducing VMT that results from the delivery of aggregate.

Approval of a permit to allow operation of the Otay Hills Quarry is calculated with a 55% VMT reduction from the existing total VMT. This conclusion is provided in the VMT Analysis Memo prepared for the project.[18] To estimate the percent reduction, the analysis compared the existing total VMT to supply 1 million tons of crushed rock to the identified market area with and without the Otay Hills Quarry project.

[18] "Otay Hills VMT Analysis Memo", prepared by Linscott, Law & Greenspan, Engineers

Appendix

Maps


Map 1
Permitted & Proposed Quarry Locations
Permitted Construction Aggregate Operations
Proposed Operations
N
0
5
10
Miles
PACIFIC OCEAN
Temecula
San Clemente
Fallbrook
Vista
Oceanside
Carlsbad
San Marcos
Escondido
Encinitas
Valley Center
Borrego Springs
Julian
Ramona
Poway
Santee
Alpine
El Cajon
Lemon Grove
San Diego
La Presa
Chula Vista
Tecate
1
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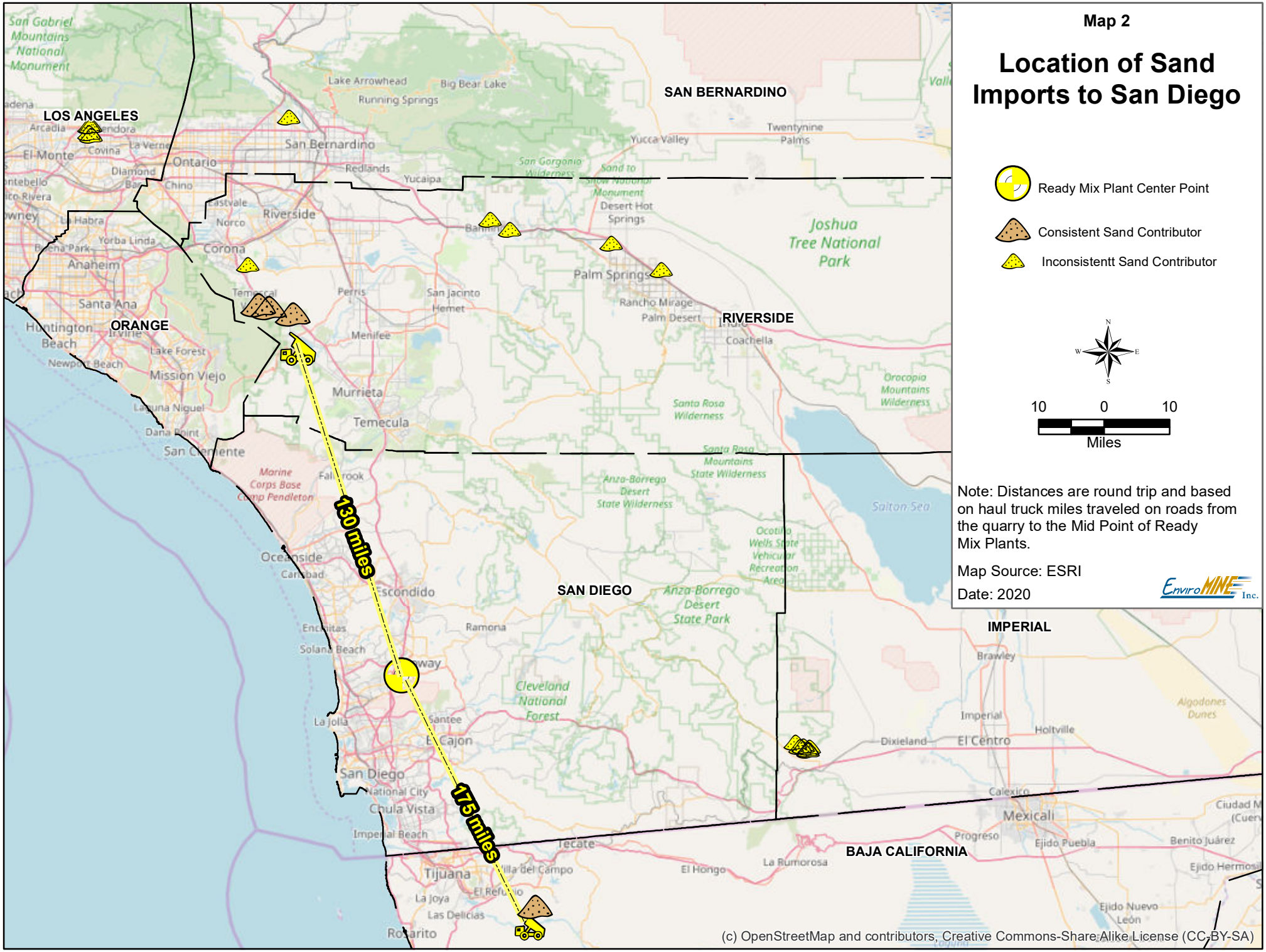
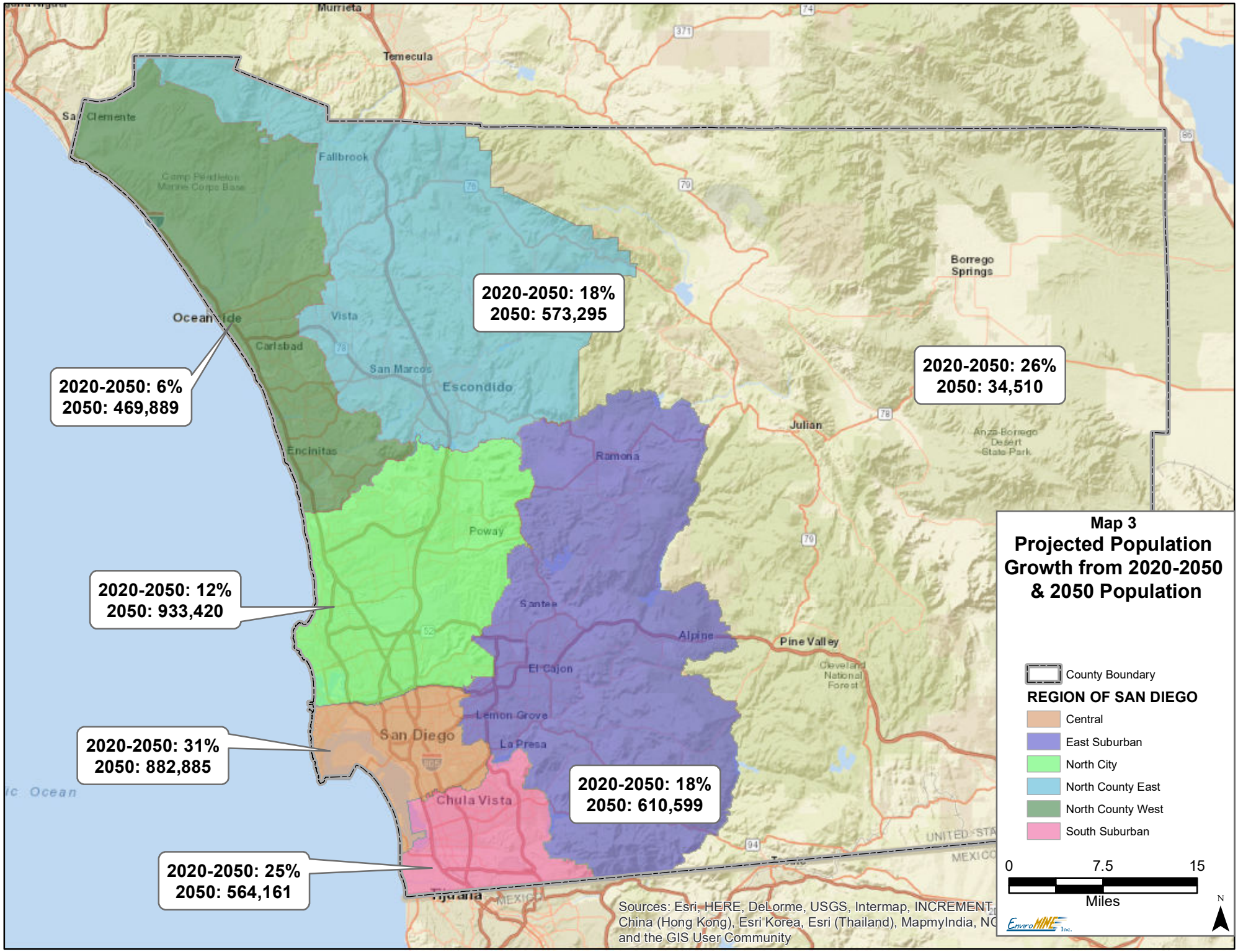
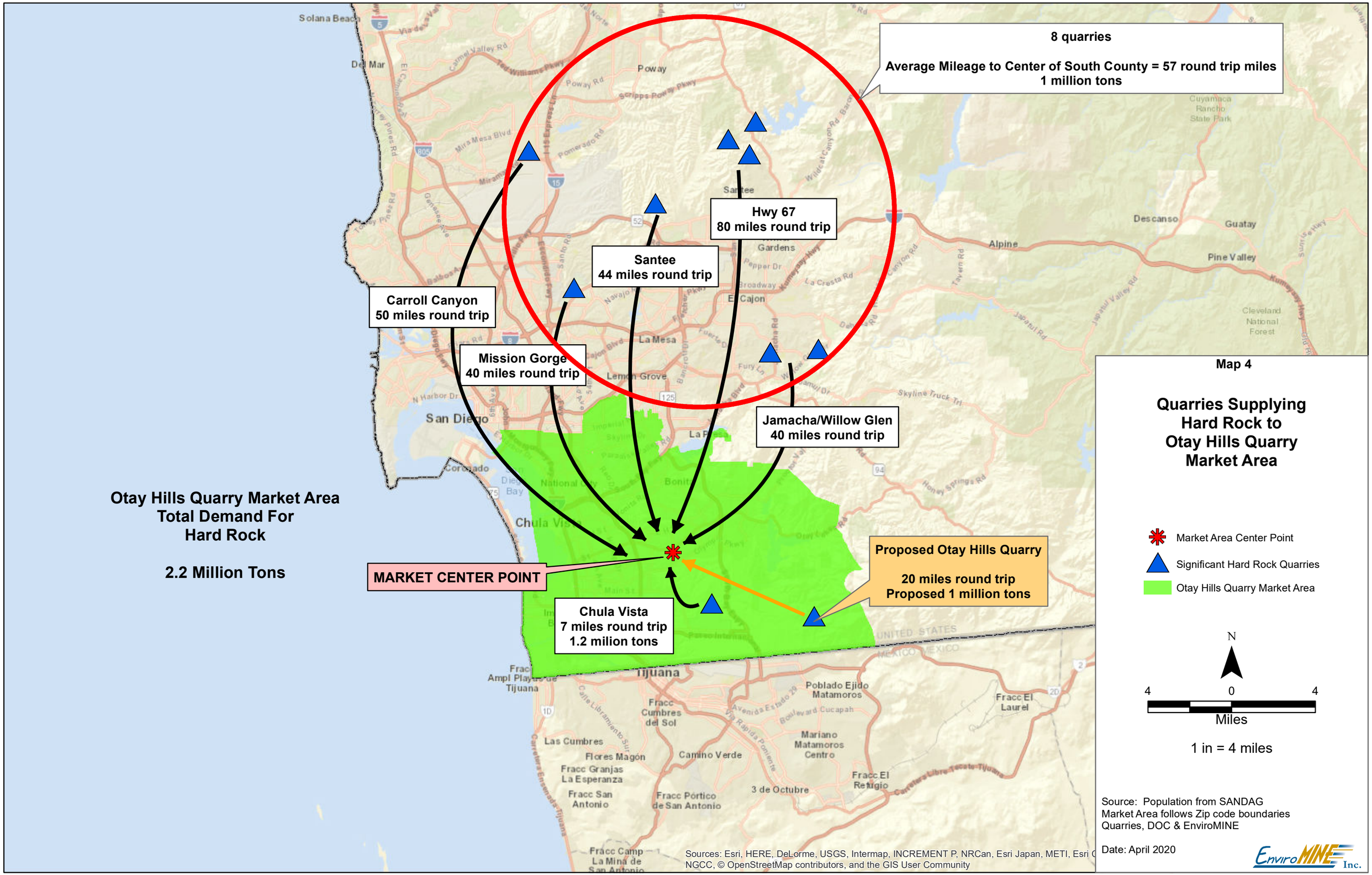
Corp.


Map 2
Location of Sand Imports to San Diego
Ready Mix Plant Center Point
Consistent Sand Contributor
Inconsistentt Sand Contributor
10 0 10
Miles
Note: Distances are round trip and based on haul truck miles traveled on roads from the quarry to the Mid Point of Ready Mix Plants.
Map Source: ESRI
Date: 2020
EnviroMINE Inc.
LOS ANGELES
SAN BERNARDINO
ORANGE
RIVERSIDE
SAN DIEGO
IMPERIAL
BAJA CALIFORNIA
130 miles
175 miles
Joshua Tree National Park
San Gabriel Mountains National Monument
Marine Corps Base Camp Pendleton
Anza-Borrego Desert State Park
Cleveland National Forest
Salton Sea
Tijuana
San Diego
Escondido
Oceanside
Temecula
Murrieta
Riverside
San Bernardino
Palm Springs
Mexicali
(c) OpenStreetMap and contributors, Creative Commons-Share Alike License (CC-BY-SA)


Map 3
Projected Population Growth from 2020-2050 & 2050 Population
County Boundary
REGION OF SAN DIEGO
Central
East Suburban
North City
North County East
North County West
South Suburban
0
7.5
15
Miles
N
2020-2050: 18%
2050: 573,295
2020-2050: 26%
2050: 34,510
2020-2050: 6%
2050: 469,889
2020-2050: 12%
2050: 933,420
2020-2050: 31%
2050: 882,885
2020-2050: 18%
2050: 610,599
2020-2050: 25%
2050: 564,161
Murrieta
Temecula
San Clemente
Fallbrook
Camp Pendleton Marine Corps Base
Borrego Springs
Oceanside
Vista
Carlsbad
San Marcos
Escondido
Encinitas
Julian
Anza-Borrego Desert State Park
Ramona
Poway
Santee
Alpine
Pine Valley
Cleveland National Forest
El Cajon
Lemon Grove
La Presa
San Diego
Chula Vista
Tijuana
MEXICO
Pacific Ocean
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT
China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NC
and the GIS User Community



Map 4

Quarries Supplying Hard Rock to Otay Hills Quarry Market Area

Market Area Center Point

Significant Hard Rock Quarries

Otay Hills Quarry Market Area

N

4 0 4

Miles

1 in = 4 miles

Source: Population from SANDAG
Market Area follows Zip code boundaries
Quarries, DOC & EnviroMINE

Date: April 2020

EnviroMINE Inc.

Appendix I

Otay Hills Quarry – Revised VMT Analysis

MEMORANDUM

To:	Mr. Arnold Veldkamp Superior Ready Mix Concrete L.P.	Date:	May 27, 2020
From:	Shankar Ramakrishnan / Charlene Sadiarin LLG, Engineers	LLG Ref:	3-20-3206
Subject:	Otay Hills Quarry – Revised VMT Analysis		

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This memo presents the Vehicle Miles Traveled (VMT) Analysis for the Otay Hills Quarry Project. The memo presents an outline of the project description, the Senate Bill SB743 Vehicle Miles Traveled (VMT) requirements, the project-specific technical guidance, analysis approach, methodology and findings.

PROJECT DESCRIPTION

The Otay Hills project site is located in the unincorporated community of East Otay Mesa within the Otay Subregional Planning Area in the southernmost portion of San Diego County. The project impact footprint is located 8.5 miles east of the Interstate 805 (I-805) / State Route 905 (SR 905) interchange and 0.5 miles east of the intersection of Otay Mesa Road and Alta Road.

The proposed project would include a hard rock extraction operation that would extract and process rock for construction aggregate purposes. Rock that has been processed for use in manufacturing other products (such as concrete or asphaltic concrete) is typically referred to as aggregate.

SENATE BILL SB 743

In September 2013, the Governor's Office signed SB 743 into law, starting a process that fundamentally changed the way transportation impact analysis is conducted under CEQA. Within the State's CEQA Guidelines, these changes include the elimination of Auto Delay, level of service (LOS), and similar measurements of vehicular roadway capacity and traffic congestion as the basis for determining significant impacts. The guidance identifies VMT as the most appropriate CEQA transportation metric, along with the elimination of Auto Delay/LOS for CEQA purposes statewide. The justification for this paradigm shift is that Auto Delay/LOS impacts lead to improvements that increase roadway capacity and therefore induce more traffic and greenhouse gas emissions.

COUNTY OF SAN DIEGO SB 743 IMPLEMENTATION

Based on our recent discussion with County staff, we understand that the County of San Diego is still in the process of developing its SB 743 guidelines and significance thresholds for land development projects. As of the writing of this report, the draft guidelines are still in development with final adoption by the Board of Supervisors expected before July 1, 2020. Therefore, based on discussions with County staff, the VMT analysis presented herein is for informational purposes only. The CEQA significance determination for the proposed project is based only on LOS and not on VMT.

VMT BACKGROUND AND INDUCED TRAVEL

VMT is defined as a measurement of miles traveled by vehicles within a specified region and for a specified time period. VMT is a measure of the use and efficiency of the transportation network. VMT is calculated based on individual vehicle trips generated and their associated trip lengths.

PROPOSED TECHNICAL GUIDANCE FOR A PROJECT-SPECIFIC VMT ANALYSIS

VMT metrics for typical land use projects such as *residential, office, and retail projects* include analyzing VMT per capita or VMT per employee. When dealing with other project types such as the proposed project (atypical use within the Industrial category of crushed rock extraction), using location-specific and project-specific information is more applicable especially when a project replaces existing VMT-generating land uses and if the replacement leads to a net overall decrease in VMT. This type of VMT analysis specifically includes evaluating "change in total VMT" as an appropriate method for evaluating projects with atypical trip generators, like this proposed project. When assessing total change in VMT, the *net change in total VMT* without the project and with the project is estimated. This analyzes the vehicle miles traveled to and from the project site in the context of how the project is likely to divert existing trips, and what the implications of those diversions will be on total VMT.

Therefore, for the purposes of this project-specific analysis and based on discussions with County staff, the total change in VMT without and with the proposed project has been analyzed and calculated. To that end, the following is a brief description of the project-specific analysis approach, methodology and calculations.

DE MINIMIS SCREENING

In the Technical Advisory, OPR notes that many agencies use "screening criteria" as a first step in conducting a VMT analysis. Per OPR, projects that generate or attract fewer than 110 trips per day generally may be screened out from conducting a detailed VMT analysis. While the CEQA significance determination for the proposed project is based only on LOS and not on VMT, the 110 trips per day de minimis screening criteria was reviewed if a VMT analysis is warranted for the proposed project based on the number of employees.

The proposed project includes 35 employees, which would translate to 70 ADT (2 trips per employee), which is less than the 110 ADT de minimis screening criteria for non-residential projects in the County. Although the De minimis Screening criteria alone is adequate to conclude that a VMT analysis is not required, out of an abundance of caution, the Project's VMT analysis was conducted. The VMT analysis combines the project's car and light truck VMT with the project's operational heavy truck trip VMT. The analysis was conducted under a project-specific approach and methodology as discussed below.

PROJECT-SPECIFIC ANALYSIS APPROACH AND METHODOLOGY

The project-specific analysis approach and methodology that has been developed to evaluate the VMT for the proposed project is based on the existing crushed rock demand and identifying a Market Area for the Otay Hills Quarry, locations of existing quarries within and outside the Market Area and other pertinent information outlined in the "San Diego County Construction Aggregate Market Study" (*Enviromine, April 2020*).

The proposed VMT analysis was conducted for the project proposed production level of 1,000,000 tons per year:

- ***Step 1:*** The Market Study concludes that the demand and distribution of crushed rock is closely correlated with population. The market area for the Otay Hills project site was identified (hereafter referred to as "Market Area"), which was calculated as 2.2 million tons of crushed rock demand. Identify a midpoint of the Market Area, which was selected from a geographic information systems analysis and represents an adequate, complete and good faith effort at full disclosure.

- ***Step 2:*** It is assumed that the demand in the Market Area is first fulfilled by the closest quarry at its full production level (i.e. 1.2

million tons). This represents a conservative assumption given the shorter trip length and that the closest quarry's production remains within the Market Area with no outside export. The closest quarry to the Market Area is the Chula Vista quarry with its maximum production at 1.2 million tons.

The balance of the crushed rock demand (i.e. 1 million tons) in the Market Area Map is anticipated to be fulfilled by other major quarries in the San Diego County. While there are crushed rock sources further north, it is assumed their product would not be delivered to the Market Area because the identified crushed rock sources are closer and capable of meeting the demand.

- ***Step 3:*** Given that there are no publicly available data on how much crushed rock is being exported from each quarry outside the Market area, an average total trip length (i.e. 57 miles) from these quarries to the Market Area midpoint was identified.

- ***Step 4*****:** Because each truck typically carries 25 tons of crushed rock, the total volume of crushed rock estimated in Steps 1 and 2 was divided by 25 to estimate the number of trucks/vehicles (185 trucks to serve the 1.2 million tons and 154 trucks to serve the 1 million tons) used to transport the crushed rock.

- ***Step 5*****:** Multiply the number of trucks per day from Step 4 by the approximately 260 working days in a year and by the trip lengths calculated in Steps 2 and 3 to determine the total baseline VMT of crushed rock exported from the closest quarry and outside Market Area quarries.

- ***Step 6*****:** Calculate the VMT associated with 1,000,000 tons of crushed rock under the without project scenario. This would represent the annual total VMT under the "without project" scenario (VMT associated with exporting 1,000,000 tons of crushed rock without the proposed project).

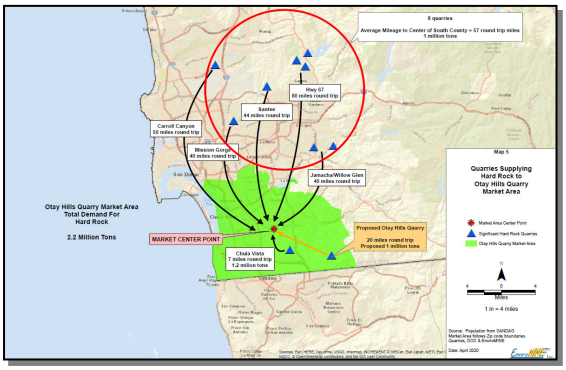
- ***Step 7:*** With crushed rock demand remaining constant, repeat Steps 1 to 6 with the Otay Hills Quarry in place. This would represent the total VMT for the "with project" scenario (i.e. VMT associated with not importing 1,000,000 tons of crushed rock). In addition, under the with project scenario, include the VMT associated with the employees that are expected to access the project site on a typical day.

- ***Step 8*:** Using the numbers in Step 6 and Step 7, determine the total change in annual VMT between the without project and with project scenario (1,000,000 tonnage production) (annual Total Change in VMT).

PROJECT VMT ANALYSIS

The following is a description of the VMT analysis:

- ***Steps 1 through 3:*** Per the Market Study, the figure below shows the Market Area for the proposed project based on population. The total crushed rock demand in the Market Area was calculated as 2.2 million tons annually. The figure also shows the closest quarry to the Market Area, which was identified as the Chula Vista quarry. The Chula Vista quarry's maximum production level was reviewed and identified to be 1.2 million tons. Therefore, to fulfill the balance of the Market Area production, the locations of the remaining quarries outside the Market Area were also identified. The round-trip distances (7 miles from the Chula Vista Quarry and 57 miles from outside quarries) between the midpoint of the Market Area and quarries were also calculated.



- ***Steps 4 through 6: VMT without the Project:*** The number of trucks per day used to transport crushed rock from each quarry was determined by dividing the total volume of crushed rock exported by the closest quarry and quarries outside Market Area per year estimated in Steps 1 through 3 by 6,500 (= 25 tons of crushed rock per vehicle x 260 working days per year). ***Table 1*** summarizes the number of trucks used by the quarries per day. To determine the daily VMT associated with crushed rock export, the number of trucks used by the quarries per day was multiplied by the average trip length calculated in Step 2 and summed together.

  As seen in *Table 1*, the total daily VMT associated with 1,000,000 tons of crushed rock demand in the without project scenario is 8,769.23.

- ***Steps 7 and 8: VMT with the Project:*** Steps 1 through 7 were completed with the project in place. As shown in *Table 1*, with the addition of the project, less crushed rock would need to be transported from the quarries outside the Market Area. The VMT associated with obtaining 1,000,000 tons of crushed rock from the project site rather than being imported from outside the Market Area is 3,986.92, which is a reduction of 4,782.31 from the without project scenario.

  This corresponds to a 55% reduction in Vehicle Miles Traveled

.

TABLE 1
VMT CALCULATIONS

Total Crushed rock Demand (tons)	2,200,000					
Scenario	Without Project		With Project			
Number of sources	2		2			
Calculations	***Quarry 1***	***Quarry 2***	***Quarry 1***	***Quarry 2***	***Proposed Project***	***Employees***
Tonnage split	55%	45%	55%	–	45%	–
Tonnage #	1,200,000	1,000,000	1,200,000	–	1,000,000	–
Tonnage per truck	25	25	25	–	25	–
Number of working days in a year	260	260	260	–	260	–
Number of trucks per day	185	154	185	–	154	–
Average Trip Length to midpoint (miles, roundtrip)	7	57	7	–	20	–
Total Baseline VMT	1,292.31	8,769.23	1,292.31	–	3,076.92	910[a]
Grand Total VMT for 1.0M tonnage production	8,769.23		3,986.92			
VMT Reduction (#) for proposed project production	4,782.31					
VMT Reduction (%) for proposed project production	55%					

Footnotes:

a. A total of 35 employees are anticipated to access the project site every day. The SANDAG regional average trip length per employee of 26 miles was used to calculate the employee VMT.

General Notes:

1. Quarry 1 refers to the Chula Vista Quarry, which is located within the Market Area.
2. Quarry 2 refers to the quarries outside the Market Area.

SUMMARY

A project-specific analysis approach and methodology was developed to evaluate the VMT for the proposed project relying on existing crushed rock demand and identifying a Market Area, locations of existing quarries within and outside the Market Area and other pertinent information outlined in the "San Diego County Construction Aggregate Market Study" (*Enviromine, April 2020*). The VMT analysis was conducted for the project proposed production level of 1,000,000 tons.

As shown in *Table 1*, with the addition of the project, less crushed rock would need to be transported from the quarries outside the Market area and therefore, the VMT associated with obtaining 1,000,000 tons of crushed rock from the project site rather than being imported from outside the Market area is 3,986.92, which is a reduction of 4,782.31 from the without project scenario. This equates to a VMT reduction of 55%.